Airedale
APPLIED THERMAL INNOVATION

DeltaChill Air Cooled
DeltaChill Free Cooling Chiller
500kW - 1000kW

Technical Manual

ISO 14001
EMS52086

ISO 9001
FM00542

Warranty, Commissioning & Maintenance

As standard, Airedale guarantees all non consumable parts only for a period of 12 months, variations tailored to suit product and application are also available; please contact Airedale for full terms and details.

To further protect your investment in Airedale products, Airedale can provide full commissioning services, comprehensive maintenance packages and service cover 24 hours a day, 365 days a year (UK mainland).

For a free quotation contact Airedale or your local Sales Engineer.

All Airedale products are designed in accordance with EU Directives regarding prevention of build up of water, associated with the risk of contaminants such as Legionella.

For effective prevention of such risk it is necessary that the equipment is maintained in accordance with Airedale recommendations.

ChillerGuard®

In addition to commissioning, a 24 hour, 7 days a week on-call service is available throughout the year to UK mainland sites. This service will enable customers to contact a duty engineer outside normal working hours and receive assistance over the telephone. The duty engineer can, if necessary, attend site, usually within 24 hours or less.

Full details will be forwarded on acceptance of the maintenance agreement.

CAUTION

Warranty cover is not a substitute for maintenance. Warranty cover is conditional to maintenance being carried out in accordance with the recommendations provided during the warranty period. Failure to have the maintenance procedures carried out will invalidate the warranty and any liabilities by Airedale International Air Conditioning Ltd.

Spares

A spares list for 1, 3 and 5 years will be supplied with every unit and is also available from our Spares department on request.

Training

As well as our comprehensive range of products, Airedale offers a modular range of Refrigeration and Air Conditioning Training courses, for further information please contact Airedale.

Customer Services

For further assistance, please e-mail: enquiries@airedale.com or telephone:

UK Sales Enquiries	+ 44 (0) 113 239 1000	enquiries@airedale.com
International Enquiries	+ 44 (0) 113 239 1000	enquiries@airedale.com
Spares Hot Line	+ 44 (0) 113 238 7878	spares@airedale.com
Airedale Service	+ 44 (0) 113 239 1000	service@airedale.com
Technical Support	+ 44 (0) 113 239 1000	tech.support@airedale.com
Training Enquiries	+ 44 (0) 113 239 1000	marketing@airedale.com

For information, visit us at our Web Site: www.airedale.com

Warranty

All Airedale products or parts (non consumable) supplied for installation within the UK mainland and commissioned by an Airedale engineer, carry a full Parts & Labour warranty for a period of 12 months from the date of commissioning or 18 months from the date of despatch, whichever is the sooner.

Parts or Equipment supplied by Airedale for installation within the UK or for Export that are properly commissioned in accordance with Airedale standards and specification, not commissioned by an Airedale engineer; carry a 12 month warranty on non consumable parts only from the date of commissioning or 18 months from the date of despatch, whichever is the sooner.

Parts or equipment installed or commissioned not to acceptable Airedale standards or specification invalidate all warranty.

Warranty is only valid in the event that

In the period between delivery and commissioning the equipment: is properly protected & serviced as per the Airedale installation & maintenance manual provided where applicable the glycol content is maintained to the correct level.

In the event of a problem being reported and once warranty is confirmed as valid under the given installation and operating conditions, the Company will provide the appropriate warranty coverage (as detailed above) attributable to the rectification of any affected Airedale equipment supplied (excluding costs for any specialist access or lifting equipment that must be ordered by the customer).

Any spare part supplied by Airedale under warranty shall be warranted for the unexpired period of the warranty or 3 months from delivery, whichever period is the longer.

To be read in conjunction with the Airedale Conditions of Sale - Warranty and Warranty Procedure, available upon request.

Procedure

When a component part fails, a replacement part should be obtained through our Spares department. If the part is considered to be under warranty, the following details are required to process this requirement. Full description of part required, including Airedale's part number, if known. The original equipment serial number. An appropriate purchase order number.

A spares order will be raised under our warranty system and the replacement part will be despatched, usually within 24 hours should they be in stock. When replaced, the faulty part must be returned to Airedale with a suitably completed and securely attached "Faulty Component Return" (FCR) tag. FCR tags are available from Airedale and supplied with each Warranty order.

On receipt of the faulty part, suitably tagged, Airedale will pass to its Warranty department, where it will be fully inspected and tested in order to identify the reason for failure, identifying at the same time whether warranty is justified or not.

On completion of the investigation of the returned part, a full "Report on Goods Returned" will be issued. On occasion the release of this complete report may be delayed as component manufacturers become involved in the investigation.

When warranty is allowed, a credit against the Warranty invoice will be raised. Should warranty be refused the Warranty invoice becomes payable on normal terms.

Exclusions

Warranty may be refused for the following reasons:

- Misapplication of product or component
- Incorrect site installation
- Incomplete commissioning documentation
- Inadequate site installation
- Inadequate site maintenance
- Damage caused by mishandling
- Replaced part being returned damaged without explanation
- Unnecessary delays incurred in return of defective component

Returns analysis

All faulty components returned under warranty are analysed on a monthly basis as a means of verifying component and product reliability as well as supplier performance. It is important that all component failures are reported correctly.

Health and Safety

IMPORTANT

The information contained in this manual is critical to the correct operation and maintenance of the unit and should be read by all persons responsible for the installation, commissioning and maintenance of this Airedale unit.

Safety

The equipment has been designed and manufactured to meet international safety standards but like any mechanical/ electrical equipment care must be taken if you are to obtain the best results.

CAUTION

When working with any air conditioning units ensure that the electrical isolator is switched off prior to servicing or repair work and that there is no power to any part of the equipment.

Also ensure that there are no other power feeds to the unit such as fire alarm circuits, Building Management Systems etc.

Electrical installation commissioning and maintenance work on this equipment should be undertaken by competent and trained personnel in accordance with local relevant standards and codes of practice.

The refrigerant used in this range of products is classified under the COSHH regulations as an irritant, with set Workplace Exposure Levels (WEL) for consideration if this plant is installed in confined or poorly ventilated areas.

A full hazard data sheet in accordance with COSHH regulations is available should this be required.

Protective Personal Equipment

Airedale recommends that personal protective equipment is used whilst installing, maintaining and commissioning equipment.

Refrigerant Warning

The Airedale DeltaChill FreeCool unit uses R410A refrigerant which requires careful attention to proper storage and handling procedures.

Use only manifold gauge sets designed for use with R410A refrigerant. Use only refrigerant recovery units and cylinders designed for high pressure refrigerants.

R410A must only be charged in the liquid state to ensure correct blend makeup.

The refrigerant must be stored in a clean, dry area away from sunlight. The refrigerant must never be stored above 50°C.

Global Warming Potential

R410A = 1900

EN378-1 :2008 (100 year life)

Maximum and Minimum Operation Temperature (Ts) and Pressure (Ps)

Operating Temperature (Ts),	Ts =	Min -20°C to Max 120°C *
Maximum Operating Pressure (Ps)	Ps =	High Side 40.7 Barg

*Based upon the maximum machine running temperatures.

Manual Handling

Some operations when servicing or maintaining the unit may require additional assistance with regard to manual handling. This requirement is down to the discretion of the engineer.

Remember do not perform a lift that exceeds your ability.

Environmental Considerations

Freeze Protection

Airedale recommends the following actions to help protect the unit during low temperature operation. This also includes the units subject to low ambient temperatures. The DeltaChill freecool (DCF) chillers must have a minimum of 20% glycol as standard.

Units with supply water temperatures below +5°C

Glycol is recommended when a supply water temperature of +5°C or below is required or when static water can be exposed to freezing temperatures.

Units subject to ambient temperatures lower than 0°C

Glycol of an appropriate concentration (1) is used within the system to ensure adequate protection. Please ensure that the concentration is capable of protection at least 3°C lower than ambient.

Water / glycol solution is constantly circulated through all waterside pipework and coils to avoid static water from freezing.

Ensure that pumps are started and running even during shut down periods, when the ambient is within 3°C of the solution freeze point (1) (i.e. if the solution freezes at 0°C, the pump must be operating at 3°C ambient).

Additional trace heating is provided for interconnecting pipework.

(1) Refer to your glycol supplier for details

Environmental Policy

It is our policy to:

- Take a proactive approach to resolve environmental issues and ensure compliance with regulatory requirements
- Train personnel in sound environmental practices
- Pursue opportunities to conserve resources, prevent pollution and eliminate waste
- Manufacture products in a responsible manner with minimum impact on the environment
- Reduce our use of chemicals and minimise their release to the environment
- Measure, control and verify environmental performance through internal and external audits
- Continually improve our environmental performance

CE Directive

Airedale certify that the equipment detailed in this manual conforms with the following EC Directives:

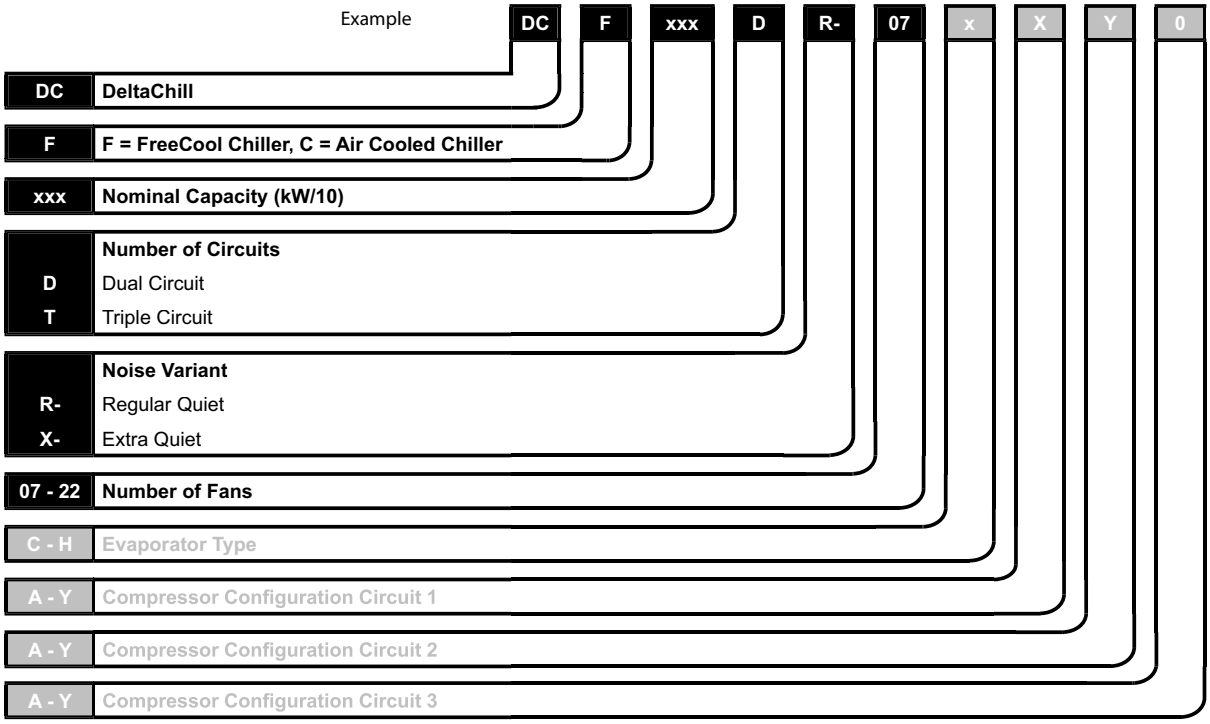
Electromagnetic Compatibility Directive (EMC)	2004/108/EC
Low Voltage Directive (LVD)	2006/95/EC
Machinery Directive (MD)	89/392/EEC version 2006/42/EC
Pressure Equipment Directive (PED)	97/23/EC

To comply with these directives appropriate national & harmonised standards have been applied. These are listed on the Declaration of Conformity, supplied with each product.

Contents

Specifiers Guide

Nomenclature



Introduction

The DeltaChill Free Cool chiller has been designed to provide the cooling load required whilst optimising energy efficiency at all times and as such will take advantage of free cooling whenever available. If the free cooling available cannot satisfy the required full cooling load, direct expansion cooling is used to supplement the output.

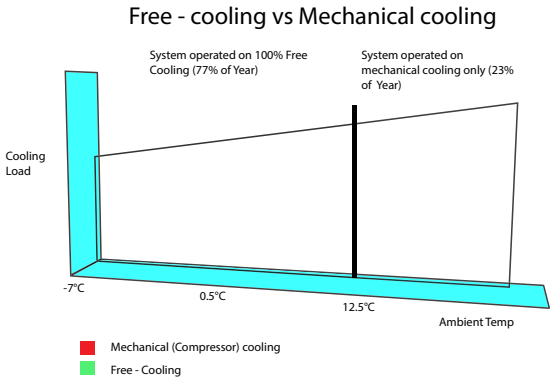
Document Navigation

The units have a unique number * (apart from the Nomenclature) for you to search each table of data.
For example Number “1” DCF046DR-07DXY0 is referenced in all tables, Performance, Mechanical, Electrical, Noise etc.
*This number is only used within this document. Please contact Airedale with the full nomenclature for product information.

Free Cooling Operation

In high ambients where free cooling is not available the fan speed modulates in the conventional manner to maintain a constant head pressure. Free cooling is initiated wherever the outdoor ambient is 2°C less than the return water temperature.

The condensing temperature is constantly monitored and intelligently kept within the compressor envelope to allow the fans to run as fast as possible and therefore achieve the most free-cooling without having a negative impact on compressor integrity.

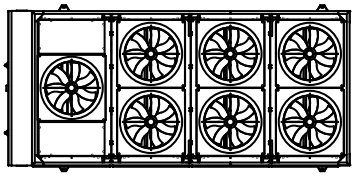


In ambients where the free cooling coil is capable of satisfying the full cooling demand, the condenser fans are modulated to provide the desired duty. The condenser fans are capable of being modulated between 25-100% of airflow to maintain the supply water temperature.

During periods where the condenser fan speed has been reduced to a minimum, the supply water temperature will then be controlled by the 3 way valve.

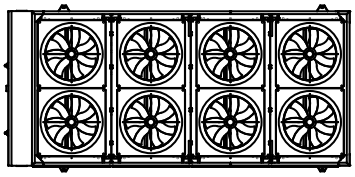
Range Layout

7 Fan Units DCF 460 - 480kW



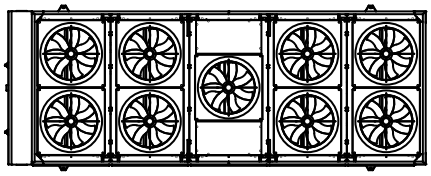
8 Fan Units

DCC 470 - 490kW
DCF 470 - 490kW



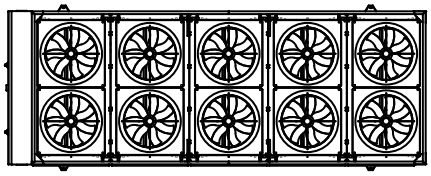
9 Fan Units

DCC 520kW
DCF 510kW



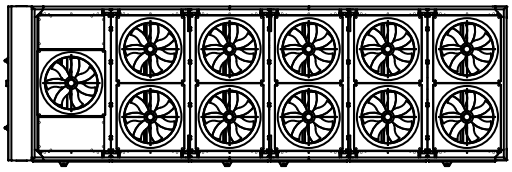
10 Fan Units

DCC 480 - 650kW
DCF 510 - 650kW



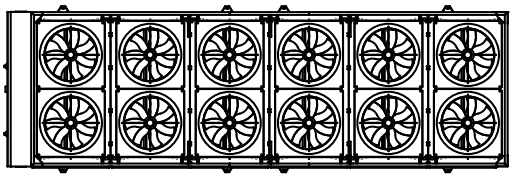
11 Fan Units

DCC 530 - 690kW
DCF 490 - 740kW



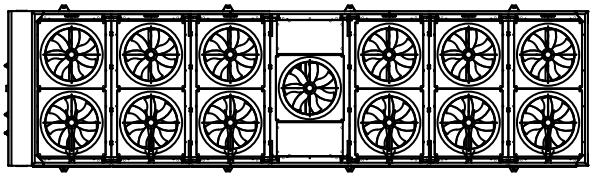
12 Fan Units

DCC 490 - 740kW
DCF 530 - 790kW



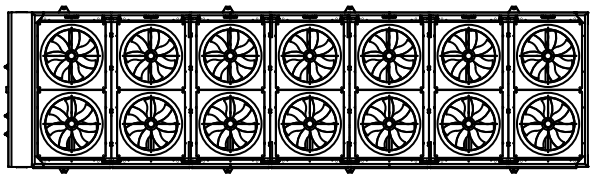
13 Fan Units

DCC 540 - 680kW
DCF 500 - 820kW



14 Fan Units

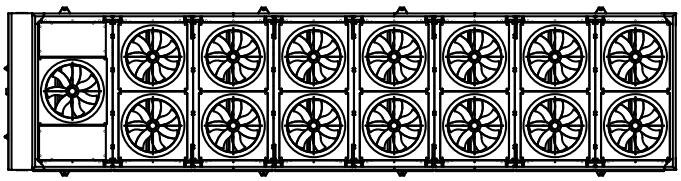
DCC 500 - 800kW
DCF 550 - 850kW



(1) DCC Duties based upon 12°C / 7°C water temperatures 35°C Ambient
(2) Free cool Duties at 15°C / 10°C 3°C Ambient
(3) Condenser fan layout may vary with unit configuration

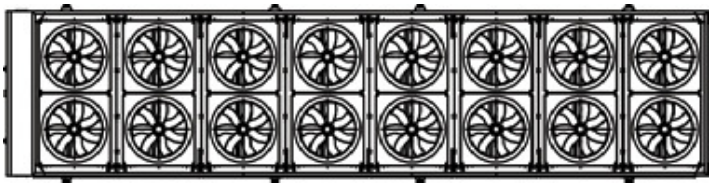
15 Fan Units

DCC 550 - 910kW
DCF 590 - 960kW



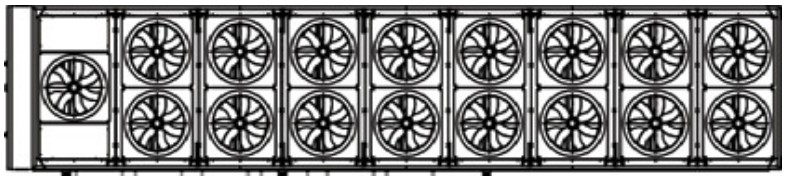
16 Fan Units

DCC 590 - 770kW
DCF 660 - 850kW



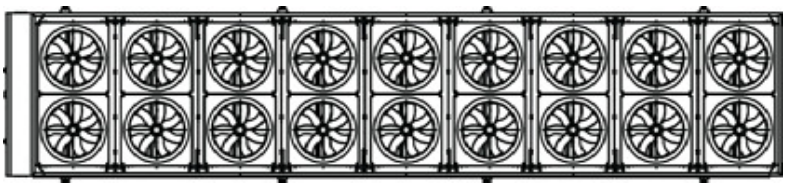
17 Fan Units

DCC 720 - 820kW
DCF 780 - 850kW



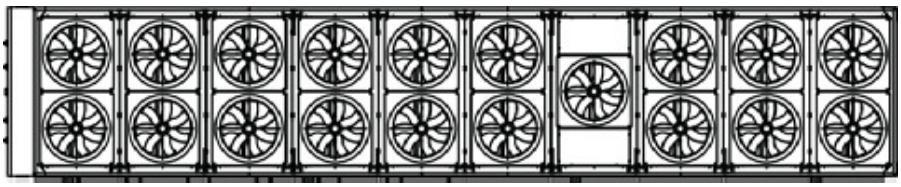
18 Fan Units

DCC 770 - 940kW
DCF 820 - 1000kW



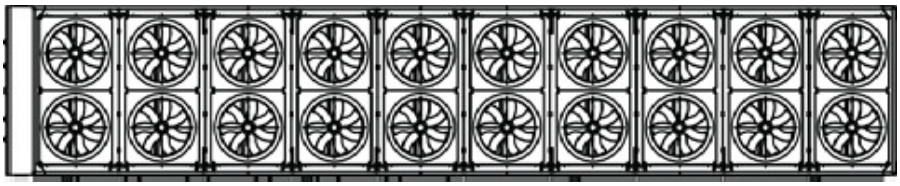
19 Fan Units

DCC 700 - 820kW
DCF 740 - 880kW



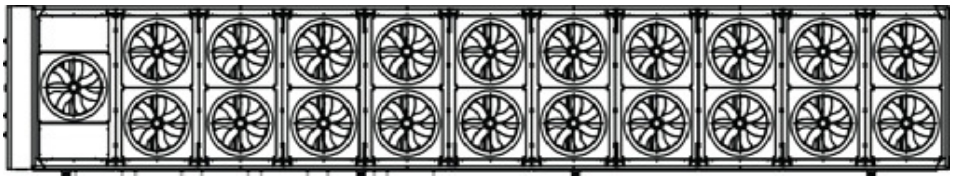
20 Fan Units

DCC 740 - 840kW
DCF 790 - 900kW



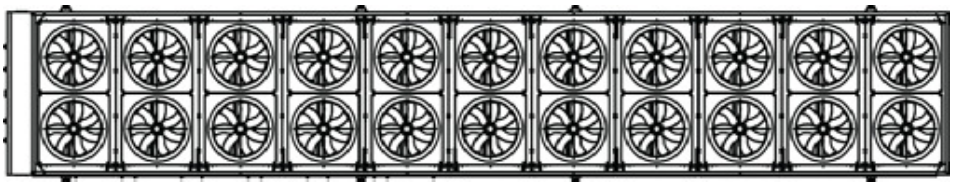
21 Fan Units

DCC 790 - 960kW
DCF 840 - 1030kW



22 Fan Units

DCC 810kW
DCF 870kW



Unit Overview

Standard Condenser Fans

• AC Condenser Fans

Optional Condenser Fan Components

• EC (Electrically Commutated) Condenser Fans
• EC + (High Airflow EC) Condenser Fans
• Extended Discharge Plenum

Standard Control Panel Features

• Electrical Switch Gear
• Microprocessor Control
• Single Point Isolation (Deselectable)
• Phase Rotation Protection
• Control Panel Ventilation (High Ambient)
• Control Panel Heater (Low Ambient)
• Battery backup for Controls
• Single Phase Permanent Supply Isolator

Optional Control Panel Features

• Automatic Power Factor Correction
• Power Meter
• Electronic Soft Start
• Control Panel Rain Cover
• Internal Light
• Maintenance Socket

Standard Coil Features
- Micro-Channel Condenser Coils
- Free Cooling Coil (DCF Only)

Optional Components
- Corrosion Resistant Coated FC Coils

Standard Waterside Features

- Differential Pressure Sensor

Optional Waterside Features
- Single Pump
- Run / Standby Pump
  (pumps avaliable in Standard and high head)
- Inverter Driven Pump Motors (Standard and High Head)
- Water Strainer
- Flush and Bypass
- Non Return Valves
- Water Flow Switch
- Pump Interlock

Standard Refrigeration Components

- Scroll Compressors
- Shell and Tube Evaporator
- Electronic Expansion valves
- Shut Off Valves

Optional Components
- Leak Detection Standard or Premium
- Refrigerant Pumpdown

Construction

The base is fabricated from galvanised steel to ensure a rigid, durable, weatherproof construction.

The superstructure is manufactured from galvanised sheet steel coated with epoxy baked powder paint to provide a durable and weatherproof finish. Standard unit colour is Light Grey (RAL 7035).

Compressors and evaporator are mounted on a rigid galvanised heavy-duty sub frame.

Fully weatherproofed electrical panels are situated at one end of the unit.

Refrigeration

Compressor

Scroll compressors comprising:

- Internal motor protection
- Internal pressure relief
- Non return valve
- External discharge temperature protection
- Oil sight glass

Each Tandem / Trio set has an oil equalisation line.

The compressors are mounted to the rigid galvanised heavy duty sub-frame with the use of vibration reducing isolation.

Compressor Staging

The sequence of the compressor staging has been engineered to optimise the units ESEER performance.

Refrigeration Pipework Components

Sight Glass
A liquid line sight glass is fitted to give an indication of the state of the refrigerant within the system. If the sight glass becomes yellow it's an indication that the filter drier requires changing.

Liquid Line Ball Valves
Liquid line ball valves are fitted to ensure ease of maintenance during shut down periods.

Discharge Line Ball Valves
Discharge line ball valves are fitted to ensure ease of maintenance during shut down periods.

Filter Driers
Filter driers are fitted to ensure that the expansion device is protected from any potential contaminants in the system. This can be serviced with changeable inner cores.

HP / LP Transducers and Switches
HP / LP Transducers and switches are fitted to the unit to protect against high or low pressures.
High pressure switches are manual reset.

Electronic Expansion Valves (EEV)

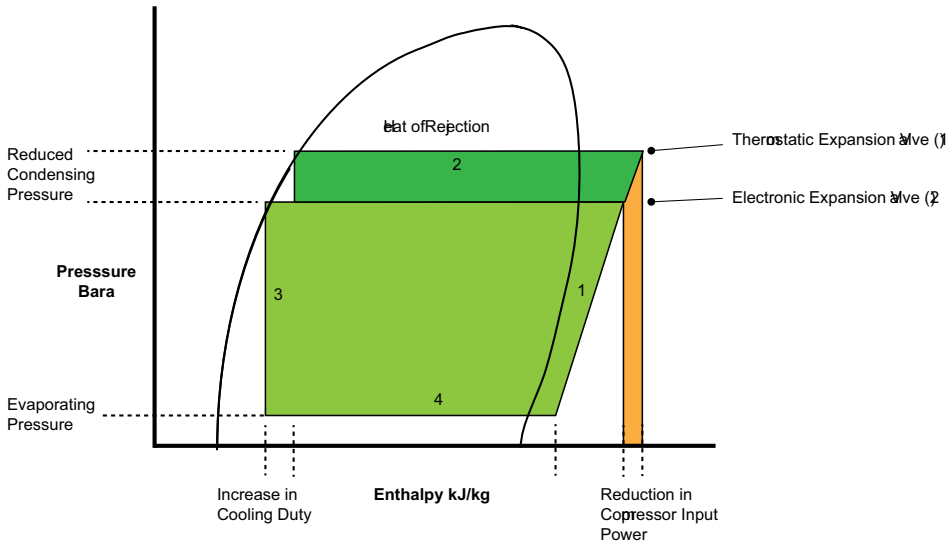
Electronic expansion valves differ to the normal thermostatic expansion valves in their ability to maintain control of the suction superheat at reduced head pressures.

This can lead to significant energy savings particularly at reduced loading and low ambient temperatures.

Using an EEV allows for good refrigeration control whilst operating at part load and lower ambient conditions with a reduced condensing pressure. By fitting an EEV and adjusting the head pressure control setting an increase in the system EER (Energy Efficiency Ratio) can typically be seen at lower ambient conditions.

The Mollier diagram shown below helps to illustrate how this increase in efficiency is achieved.

Electronic expansion valves differ to normal thermostatic expansion valves in their ability to maintain control of refrigerant flow and the suction superheat at reduced head pressures. The turn-down rate of a typical EEV is superior to that of its thermostatic equivalent, such that a reduced optimum condensing pressure can be maintained at low compressor load. However low the load is on the compressor, from zero to 100%, there will not be a problem with turn down, even down to 30% of the valves rated capacity.



1. Compression
2. Condensation
3. Expansion
4. Evaporation

Key:

TEV Cooling cycle @ 22°C ambient with a conventional TEV fitted.

EEV Cooling cycle @ 22°C ambient, demonstrating a typical EEV condensing temperature taking full advantage of lower ambient air temperatures (below 30°C).

Condenser Coils
Large surface area coils ideally positioned to optimise airflow and heat transfer, manufactured from micro channel coil.

Head Pressure Control
Electronic head pressure controllers are fitted which modulate the fan speed to maintain a constant condensing pressure, allowing the system to operate satisfactorily in ambient temperatures as low as -30°C.

Head pressure can be set, monitored and values viewed at the microprocessor display.

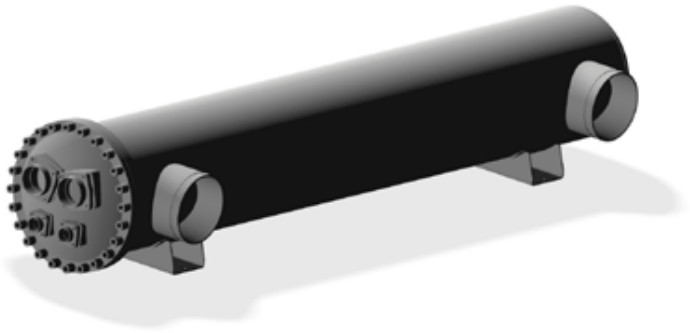
Corrosion Resistant Coated Coils
In atmospheres where high corrosion is anticipated a corrosion resistant epoxy coating is applied to the aluminium fins.

Evaporator
Shell and Tube Heat Exchanger(s) will allow optimum heat transfer between media. Each heat exchanger shall be insulated with closed cell polyurethane foam to Class 1 fire rating.

A immersion heater is fitted to the single evaporator and will protect against freeze up in ambient temperatures as low as -30°C. This is however subject to the Freeze protection policy.

Internal water pipework is trace heated.

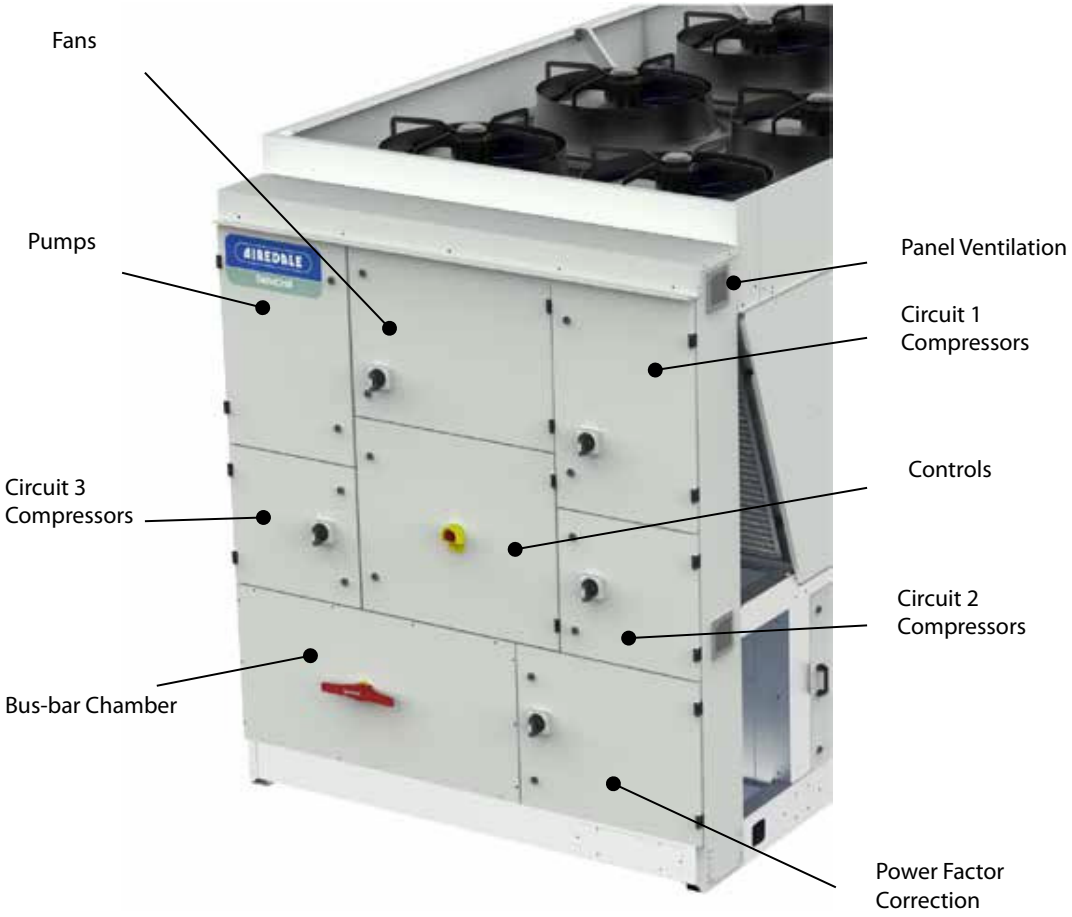
Connections for External Trace Heating (230V/1PH / 50Hz / 500W) available.



Electrical

Electrical Overview

Location of Electrical components within the chiller.



A weatherproof electrical power and controls panel shall be situated at the end of the unit and contains:

- Individual mains power isolation for each circuits compressors
- Separate electrical isolation for fans
- Dedicated bus-bar chamber for connection of incoming 3 phase and earth mains power supply
- Emergency stop fitted to controls compartment door
- Separate, fully accessible controls compartment allowing adjustment of set points whilst the unit is operational
- Circuit breakers for protection of all major unit components
- Phase rotation relay incorporating phase loss protection
- The electrical power and control panel is wired to the latest European standards and codes of practice
- Mains supply is 3 phase and a neutral is not required, refer to interconnecting wiring.
- Separate 230V 1ph 50Hz permanent supply is required for the controls and safety features. Isolator allows for a maximum cable size of 10 mm
- Electrical terminals for external evaporator pipe work trace heating (230V / 500 Watt) are provided. The external trace heating is fitted by others

Phase Rotation Protection

A phase sequence relay shall be fitted for units containing 3 phase scroll compressors, to prevent possible damage by running the compressor in the wrong direction.

Optional Features

Single Point Isolation

Single point isolation shall be fitted as a standard feature.

The feature is however available to be removed) upon request, subject to your own 3 phase unit mains isolator.

Automatic Power Factor Correction Feature

The automatic power factor correction shall be fitted to the Chillers electrical distribution system. This feature will provide automatic regulation of unit power factor, taking into account all AC load types in the form of compressors, fans and pumps.

The power factor correction system consists of a PFC regulator and a number of dissimilar sized capacitors that are switched in by means of contactors. The regulator type used has 6 staged outputs that switch in a binary fashion resulting in a total number of 64 unique capacitor step values.

During operation the PFC regulator measures the reactive power drawn by the unit and then dependant on the instantaneous unit load and user configurable target PF value, automatically switches in the necessary capacitor stages to achieve the desired unit target PFC. Factory set to a 0.98PF.

Electronic Soft Start

The electronic soft start enables the chiller compressor motor to be ramped to speed with the minimum full load current. Further benefits include removal of nuisance tripping, supply voltage dips and motor overheating.

Power Meter

A power meter shall be fitted to the unit. Voltages, currents and power inputs can be monitored and recorded giving power usage of the chiller. Current transformers are fitted to the unit's incoming supply.

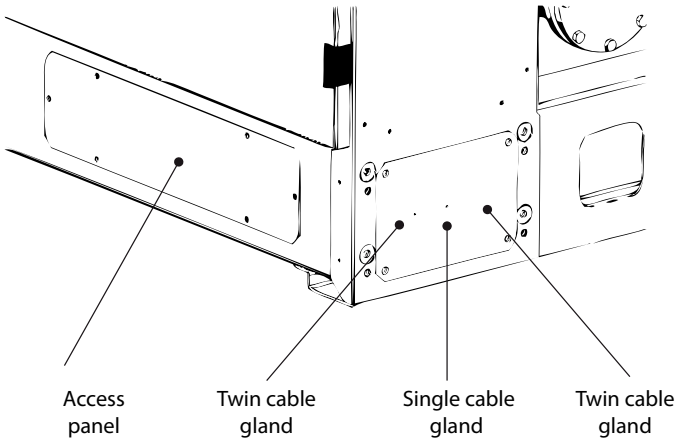
Optional Features

Control Panel Light
A control panel light shall be fitted to enable maintenance to be carried out during poor light conditions.

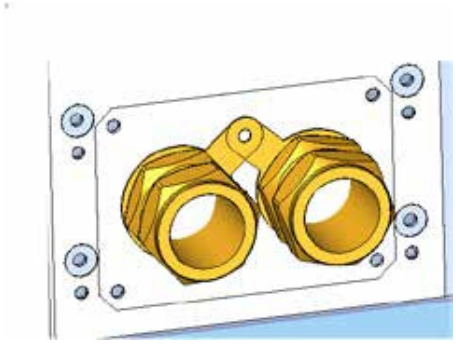
Maintenance Socket
A 10 A single phase maintenance socket is available located within the control panel. This socket enables UK plugs to be connected.

Control Panel Low Ambient Protection
Supplementary heating can be offered to the control panel to ensure components such as LCD displays operate in low ambient conditions.

Mains Cable Entry
The unit main cable can enter from either side of the electrical control panel.



Maximum cable gland sizes
Single 1 x M75S
Twin 2 x M63S



R410A Leak Detection
The refrigerant leak detection is located within the compressor enclosure (fitted as standard with leak detection option). The sensor is positioned at the lowest point to ensure correct operation. Detection rate of 100 ppm ensures detection in case of refrigerant leakage. The leak detector has relay outputs allowing for alarm monitoring via the Airedale controller.

This relay output can provide facilities for refrigerant pump down for refrigerant containment.
The refrigerant leak detection assures best environment practices in accordance with the Building Research Establishment Environmental assessment method (BREEAM) pollution section.

A premium package is available that monitors refrigeration parameters and determines if loss of refrigerant is occurring. This can detect which circuit is leaking from these parameters making an intelligent decision of potential shut-down of the unit.

Condenser Fans

Condenser Fan and Motor - AC

Axial fan assemblies with finger proof grille and incorporating external rotor AC motor technology, capable of highly accurate discreet speed control., Discharges air vertically. The fans offer maximum performance whilst keeping sound levels to a minimum.

Optional Features

Energy saving Electronically Commutated (EC) Fan Motor

Each 800 mm diameter fan incorporates on board electronics with AC / DC Conversion and inverter driven DC motor control to offer unparalleled high efficiency levels combined with smooth step-less speed control and quiet operation.

Sickle blades reduce air turbulence to minimise sound levels and power consumption whilst maximising performance.

The long bell mouth design provides improved aerodynamics, up to 10% more air movement, and an extended vertical throw of air to reduce the chance of air re-circulation. As standard the enclosure is complete with an integral finger proof grille.

The fans offer maximum airflow performance while keeping sound levels to a minimum.

A mains EMC filter is fitted when the EC fan option is selected with the unit. The filter is design for convenient mains connection within the bus bar chamber.

High Airflow EC Fans

Additional free cooling is available when a high air volume EC Fan is selected.

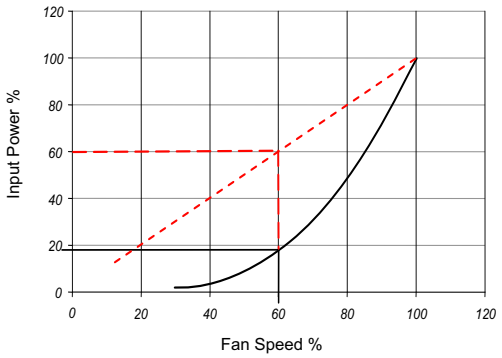
This option is only available with the Free cool chiller.

The in built EC fan control module allows for fan speed modulation from 15-100%, a standard AC fans modulating range is typically 40-100% of full fan speed.

The EC fan presents superior energy efficiency at full and reduced fan speed compared to the equivalent AC fan motor, offering efficiency savings anywhere between 30 to 100% compared with an AC fan.

Fan speeds are factory set depending on sound level variant.

Standard voltage regulated (VR) fan speed controllers offer a linear response. By comparison the EC fan is adjusted on demand via the unit microprocessor with precision, offering substantial energy savings. The following illustration shows a comparison of the typical power input required by each method.



Fan speed of 60%
Voltage regulated input power required 60%
EC input power required 18%

— EC (Electronically Commutated) Fan Speed Control

--- Voltage Regulated Fan Speed Control

Waterside

Free Cooling Coil

A free cooling coil constructed in a “V” frame arrangement, allowing for efficient heat transfer from the ambient air temperature to the cooling process.

The free cooling coil is manufactured from copper tube and aluminium fin.

Free cooling is initiated whenever the outdoor ambient temperature is 2°C less than the return water temperature.

The “V” frame arrangement enables efficient concurrent cooling.

The DeltaChill Free cool chillers pipe work has been designed to optimise pressure drop. With this in mind the chiller is more efficient in delivering a cooling solution.

Flow Proving Device

An evaporator differential pressure sensor facilitates low flow limiting and pressure drop monitoring via the microprocessor shall be fitted to ensure a correct unit water flow.

Pump Interlock

Provision for a pump interlock is available within the control panel.

Water Flow Switch

A water flow switch is fitted ensuring integrity of the cooling solution flow

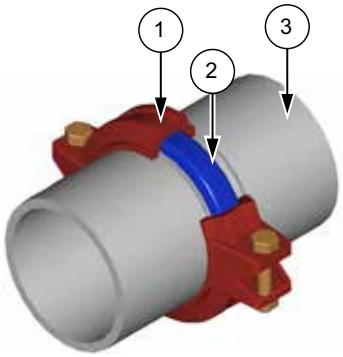
CAUTION

The water flow switch or pump interlock must be fitted in addition to the flow proving device to validate warranty.

Water Connections

Water inlet and outlet connections are of a grooved and clamped type construction. The unit is supplied with a counter pipe and coupling assembly for quick connection.

Optional flanged connections available on request, please consult Airedale.



1. Clamp
2. Gasket
3. Counter pipe

Water Filter

Water filters are fitted to protect the evaporator from clogging by sediment. This is a standard feature with the DeltaChill Free cool.

For standard Air Cooled DeltaChill the water filter is an optional extra

Pump Options
A variety of pump options to suit a wide range of applications are available:

Factory fitted in line as a single pump or run/standby configuration and available in standard and larger nominal external head pressures.

Factory fitted run/standby pumps have a shut off valve to the inlet and a non return valve to the outlet, enabling one pump to be maintained without interrupting Chiller flow. Supplied with electrical switchgear and isolating valve as standard.

Run/standby pumps are rotated automatically to ensure even pump usage and prolong component life.

Pump - AC Motor - Fixed Speed
A factory fitted in line single or run/standby pump package is available in a standard or larger external head; please specify at order.

Flow can be proved via the microprocessor display.

Factory fitted and supplied as standard complete with:
- Differential Pressure Sensor
- Isolating valves
- Inlet strainer
- Electrical switch gear

Pump - Inverter Driven - Variable Speed

A factory fitted in line single or run/standby pump is available in a standard or larger external head; please specify at order.

Flow is varied via an electronic flow meter, depending on system requirements.
Adjustment and monitoring is via the microprocessor display.

Factory fitted and supplied as standard complete with:

- Differential pressure sensor
- Isolating valves
- Inlet strainer
- Electrical switch gear
- Inverter panel with ventilation fan and panel heater (High / Low ambient operation)

Waterside Options

Water Filter

A 20 mesh water filter can be supplied fitted to protect the evaporator from clogging by sediment. On certain models the filter is fitted externally.

Flushing Bypass Kit (Standard)

Comprises:

- Shut off valves

Flushing Bypass Kit (Regulating)

Comprises:

- Shut off valves
- Double regulating valve

Factory fitted to protect the evaporator from clogging by sediment and to enable the water system to be purged before running.

Single pump + filter + flushing bypass

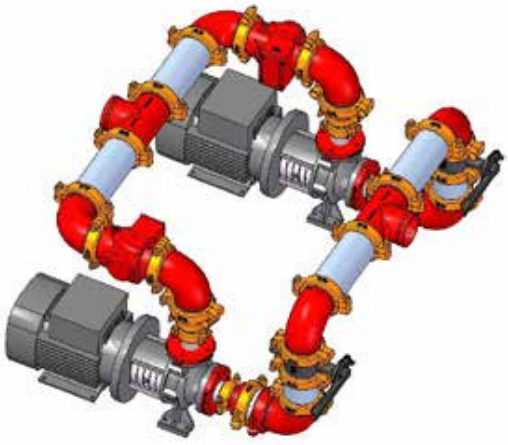
Comprises:

- Single pump with valve isolation
- Shut off valves
- Filters

Single pump + filter + regulating bypass

Comprises:

- Single pump with valve isolation
- Shut off valves
- Filters
- Double regulating valves



Run & standby pumps + filter + flushing bypass

Comprises:

- Run and standby pumps with valve isolation
- Shut off valves
- Filters
- Non return valves
-

• Run & standby pumps + filter + regulating bypass

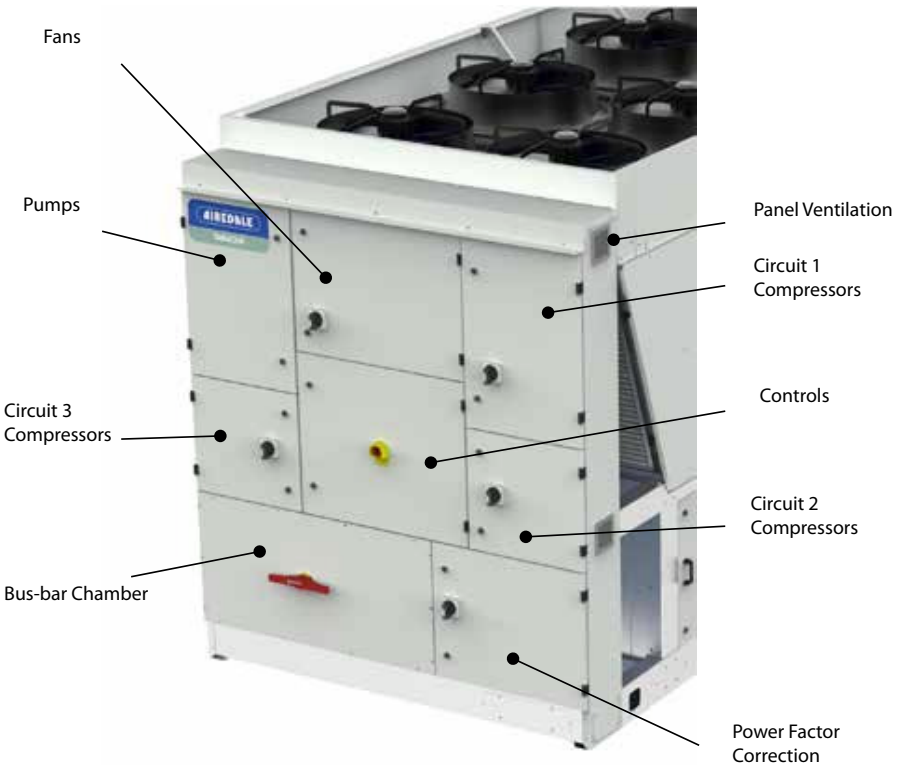
Comprises:

- Run and standby pumps with valve isolation
- Shut off valves
- Filters
- Double regulating valves
- Non return valves

CAUTION

The water flow switch or pump interlock must be fitted in addition to the flow proving device to validate warranty.

Controls



General Description

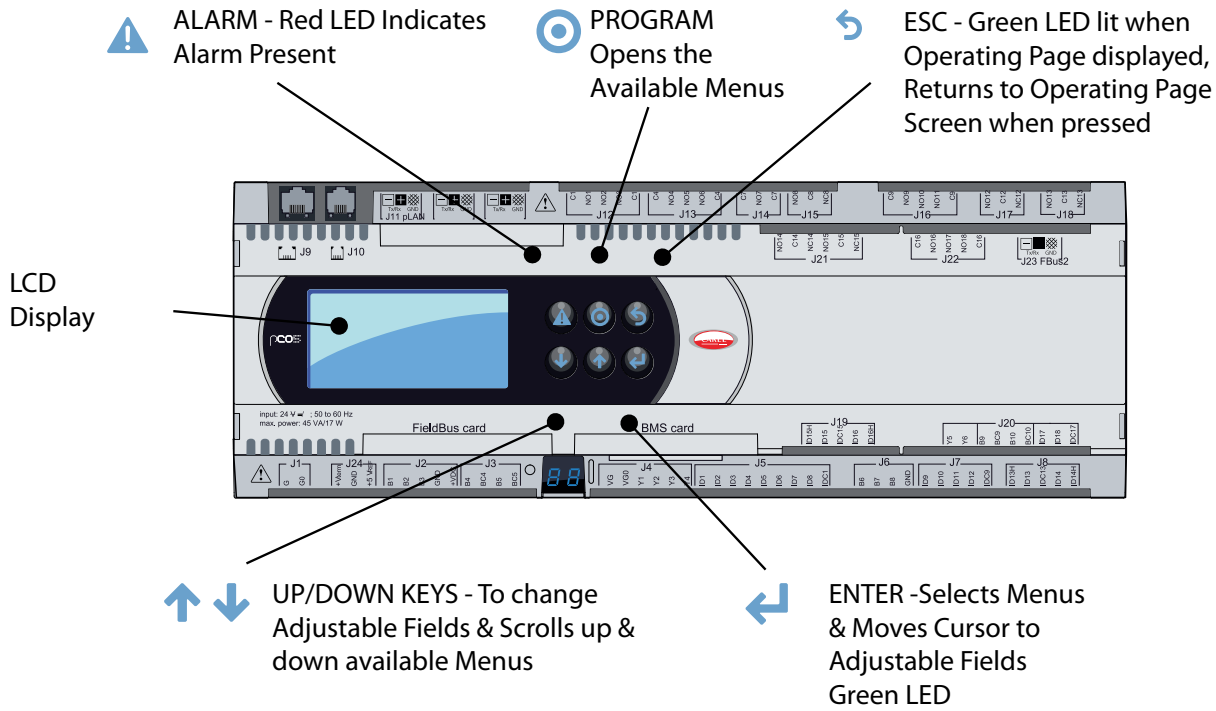
The microprocessor controller offers powerful analogue and digital control to meet a wide range of monitoring and control features including a real time clock and Industry standard communication port and network connections.

The controller's in-built display is used for viewing the unit operating status and making adjustments to control parameters by allowing the operator access to a series of display pages.

Also featured are a visual alarm and the facility to adjust and display control settings by local operator for information and control.

Display/Keypad

1 UP/DOWN KEYS - To change adjustable fields & scrolls up & down available menus
2 ENTER -Selects menus & moves cursor to adjustable fields green LED
3 ESC - Green LED lit when operating page displayed, returns to operating page screen when pressed
4 PROGRAM - Opens the available menus
5 ALARM - Red LED Indicates alarm present
6 8 ROW LCD DISPLAY
7 CURSOR (FLASHING) Top Left Position = “HOME” Indicates adjustable Fields



Monitoring

The microprocessor also monitors and displays the following measured parameters:

- Supply Water Temperature
- Return Water Temperature
- Suction Pressure of each circuit
- Liquid Pressure of each circuit
- Suction Temperature of each circuit
- Superheat for each circuit

Alarm Handling
The controller logs and allows viewing of the last 100 conditions recorded in descending chronological order through the keypad display.
The following conditions will be detected, triggering a visual display:

Common for both circuits (Multiple Circuit units):
- Low Supply Temperature
- Emergency Stop
- Water Flow
- Pump(s) status
- Pump(s) remote start
- Volt Free Contact Alarm Indication

Individual for each circuit:
- Individual alarms will isolate the affected circuit only.
- Compressor Trip
- Low Suction Pressure for each circuit
- High Liquid Pressure for each circuit
- Low Pressure Switch
- Compressor Overload
- High Compressor Discharge Temperature

Optional Features

Networking
A Local Area Network (LAN) can be used to connect a number of chiller controllers to offer intercommunication and sequence control. There is also the facility to allow the connection of either a computer or modem for local or remote monitoring. For further details, please contact Airedale.

CAUTION
When adding to an existing network, please consult Airedale to ensure strategy compatibility.

Unit Remote ON/OFF
Disables/Enables the Chiller remotely.

Compressor Anti Cycle Control
Automatic via the Microprocessor.

Compressor Load Limit
Limits the condensing pressure by unloading above 35 Barg.
Limits the evaporating pressure by unloading at the minimum pressure set point, which is, adjustable depending on system glycol content.

Pump(s) Remote ON/OFF
Disables/Enables the pump(s) remotely.

Remote Setback Temperature Set point Switch
A setback set point for supply water temperature can be selected to suit summer/winter conditions or night setback.

Remote Set Point Adjust
Allows the chilled water set point to be adjusted via an external 0-10V signal or Digital Input.

Compressor Hours Run
Displays hours run of each compressor.

Password Protection
The control system integrity can be maintained by restricting access with a password PIN number.

CAUTION IMPORTANT:
To change the PIN number; please contact Airedale at time of order with the preferred 4 digit number.

Ultracap Uninterrupted Power Supply
The Ultracap module is an optional external backup device for the EVD Evolution used to close the valve in the event of mains power failures. The module guarantees temporary power to the EVD Evolution in the event of power failures, for enough time to immediately close the connected electronic valve. It avoids the need to install a solenoid valve in the refrigerant circuit or use the battery backup module.

Ultracap storage capacitors (EDLC = Electric Double Layer Capacitor), which are recharged independently by the module. Ultracap capacitors ensure reliability in terms of much longer component life than a module made with lead batteries: the life of the Ultracap module is at least 10 years. In addition, not using lead batteries also means no special precautions are required regarding safety and pollution.

Optional Features

Pump(s) Hours Run

Displays hours run of each pump.

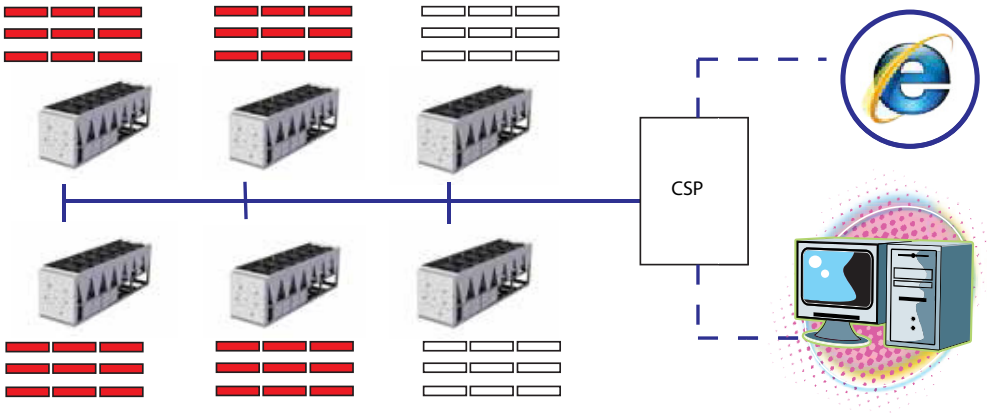
Chiller Sequence Manager

For the efficient temperature and capacity operation of multiple units on a single site, the sequence manager will permit interlinked operation of the complete system thereby providing optimum temperature control and minimum power consumption.

Up to 6 units can be sequenced.

Included within this package is a site visit by Airedale Control Specialists to set up multiple unit sequence control.

The chiller sequence manager is supplied as a separate control panel to be mounted remotely indoors, such as a plant room.



Energy Manager

Analysis of system energy consumption can be monitored via a dedicated LCD display. Unit parameters can be adjusted via the unit microprocessor control to affect energy usage in line with the system need.

Remote Set-point Adjust

Allows the chilled water set-point to be adjusted via an external 0 - 10V signal or Digital Input.

BMS Interface Card

Enables Controlled units to be interfaced with most BMS, factory fitted, please contact Airedale.

A wide range of protocols can be accommodated through the use of interface devices. Available as a standard option are: ModBus/Jbus, LonWorks, BACnet and Carel.

For interfaces such as SNMP and Metasys please contact Airedale.

Also available is Airedale's own supervisory plug-in BMS card pCOWEB.

Based on Ethernet TCP/IP secure technology with SNMP features.

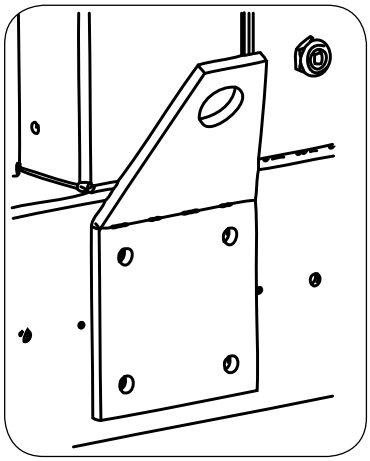
Requires no proprietary cabling or monitoring software and supplied pre programmed with an IP address for ease of set up.

BMS system configuration by others.

Mechanical

Lifting Lugs

Lifting Lugs shall be fitted to the unit enabling full lifting requirements.
The lifting lug hole diameter is 40 mm.



Discharge Plenum -Condenser Fan

Constructed from galvanised sheet steel coated with epoxy baked powder paint, this plenum directs discharge air vertically, thus limiting air re-circulation and provides a degree of acoustic reduction in the horizontal plane; factory fitted.

Standard unit colour is Light Grey (RAL 7035).

For further details refer to Dimensional Data.

Optional Features

Extended Discharge Air Plenum - Condenser Fan

Constructed from galvanised sheet steel coated with epoxy baked powder paint, this plenum directs discharge air vertically, thus limiting air re-circulation and provides a degree of acoustic reduction in the horizontal plane; factory fitted. For details please contact Airedale.

Standard unit colour is Light Grey (RAL 7035).
For further details refer to Dimensional Data.

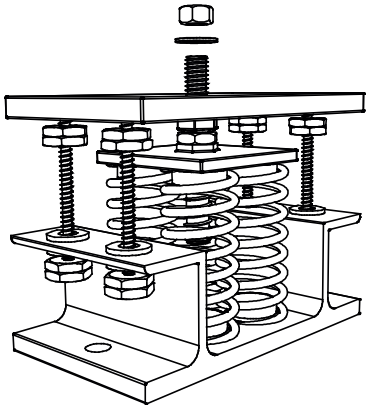
Control Panel Rain Hood
A rain hood shall be supplied to protect the control panel from certain weather conditions. An integral light shall be also fitted.

Compressor Enclosures
Compressor enclosures shall be fitted to the extra quiet units.
Enclosures are fitted as standard when refrigerant leak detection is selected.

Anti Vibration Mounts (Spring Type)
Spring vibration isolators can be supplied loose for on site fitting to the base frame of each unit.

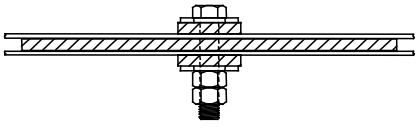
The isolators are suitable for fitting to structural steelwork providing the surface is level and of sufficient strength where a high level of vibration elimination is required.

The Spring vibration isolator requires an overall clearance of 162 mm (unloaded) with a loaded dimension (dependant on load) of 136 mm.



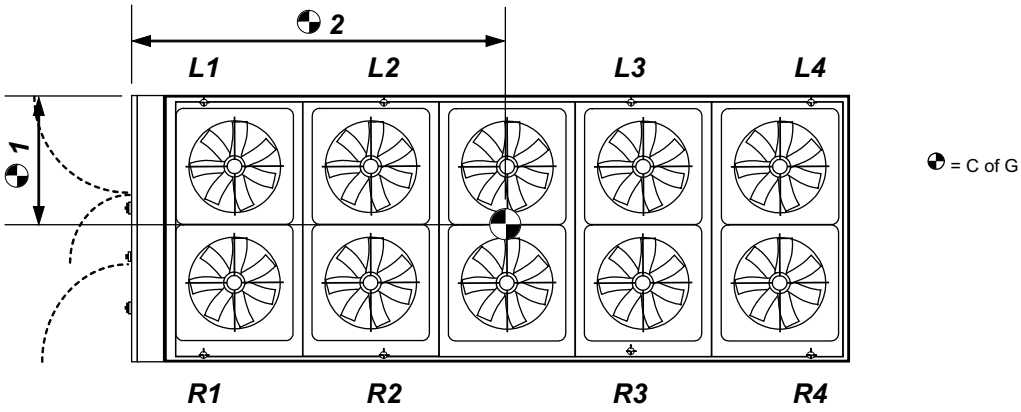
Anti Vibration Mounts (Pad Type)
Pad vibration isolators can be supplied loose for on site fitting to the base frame of each unit.

The isolators are suitable for fitting to structural steelwork providing the surface is level and of sufficient strength where a moderate degree of vibration elimination is required.



Installation Data

Weights, Point Loadings & Centre of Gravity (C of G) DCF



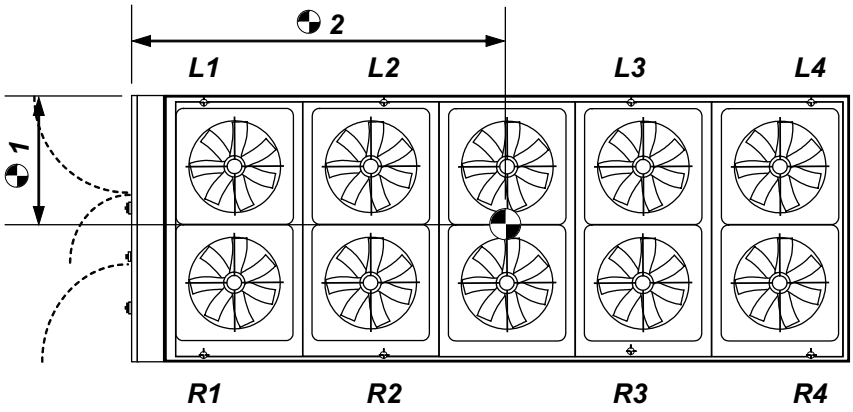
		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
1	DCF046DR-07DXY0	655	750	825					830	950	1050					1225	2485
2	DCF048DR-07DPY0	620	745	845					765	915	1040					1210	2550
3	DCF051DR-08DPV0	650	760	850					805	940	1050					1210	2515
4	DCF053DR-08DYY0	685	765	830					875	975	1060					1225	2440
5	DCF049DR-09DXY0	680	665	650	635				815	795	780	765				1195	2760
6	DCF051DR-09DPY0	655	655	650	650				765	765	760	755				1180	2825
7	DCF053DR-10DPV0	670	670	665	665				785	780	780	775				1180	2825
8	DCF055DR-09DYV0	680	665	650	635				830	805	790	770				1200	2755
9	DCF055DR-10DYY0	695	680	665	650				840	815	800	780				1195	2755
10	DCF058DR-10DVV0	700	685	670	650				855	830	815	790				1205	2750
11	DCF062DR-10FVW0	715	700	685	665				870	845	830	810				1200	2750
12	DCF065DR-10FWW0	720	700	685	665				875	855	835	810				1205	2745
13	DCF069TR-10GPPY	715	745	765	795				860	895	920	955				1195	2965
14	DCF051DR-11DXY0	795	765	735	695				915	880	845	800				1175	3205
15	DCF053DR-11DPY0	775	755	735	710				870	845	825	795				1160	3275
16	DCF055DR-12DPV0	800	775	745	710				900	870	835	800				1160	3230
17	DCF057DR-12DYY0	825	790	750	700				950	910	860	810				1175	3155
18	DCF058DR-11DYV0	800	770	735	700				930	895	855	810				1180	3195
19	DCF060DR-12DVV0	830	790	745	700				965	920	870	815				1180	3150
20	DCF065DR-12FVW0	855	815	765	710				985	935	880	815				1170	3125
21	DCF068DR-12FWW0	860	825	785	735				1020	975	930	870				1190	3170
22	DCF074TR-11GPYY	850	850	850	850				1040	1040	1040	1040				1205	3405
23	DCF079TR-12GYYY	900	880	860	835				1125	1100	1075	1045				1215	3290
24	DCF059DR-13DYV0	725	690	650	690	585			830	790	745	790	670			1170	3585
25	DCF062DR-14DVV0	740	700	665	700	595			850	810	765	810	685			1175	3580

(1) Point load numbering starts from the control panel end of the chiller. Illustration above is for a 8 mount configuration

(2) Point loads indicated are for standard unit only

Installation Data

Weights, Point Loadings & Centre of Gravity (C of G) DCF



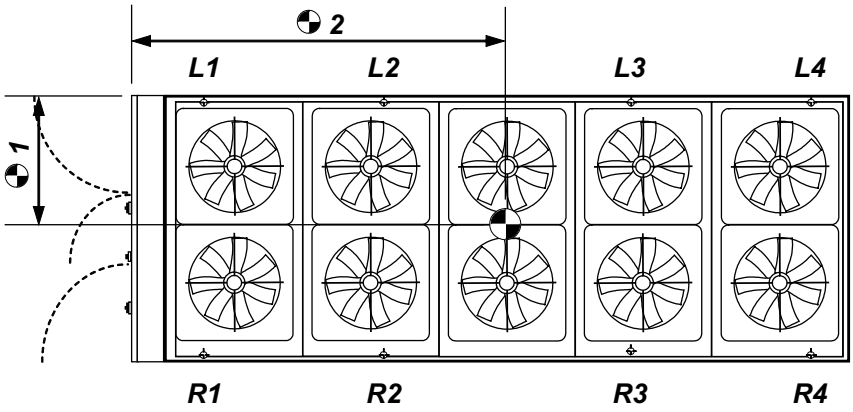
		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
26	DCF066DR-14FVW0	765	725	685	725	610			855	810	765	810	685			1160	3575
27	DCF070DR-14FWW0	775	745	710	745	650			875	840	800	840	735			1165	3655
28	DCF073TR-13GPPY	795	780	760	780	725			890	865	845	865	805			1155	3800
29	DCF078TR-14GPYY	810	795	775	795	740			930	910	885	910	845			1170	3805
30	DCF082TR-13HYYV	845	820	795	820	745			980	950	915	950	860			1175	3745
31	DCF085TR-14HYVV	855	830	805	830	760			990	965	935	965	880			1175	3755
32	DCF075TR-16GPPY	925	875	825	875	750			1005	950	895	950	815			1145	4205
33	DCF082TR-15GYYY	930	875	820	875	735			1060	1000	930	1000	840			1170	4150
34	DCF085TR-16HYYV	970	915	855	915	770			1095	1030	965	1030	870			1165	4170
35	DCF090TR-15HVVV	955	905	845	905	770			1085	1030	965	1030	875			1170	4195
36	DCF092TR-15HVVW	960	905	850	905	775			1095	1035	970	1035	885			1170	4200
37	DCF094TR-15HVWW	960	910	855	910	775			1100	1040	975	1040	885			1170	4195
38	DCF096TR-15HWWW	960	910	855	910	775			1105	1045	980	1045	890			1175	4190
39	DCF080TR-17GPYY	1025	970	905	970	800			1085	1020	955	1020	840			1130	4510
40	DCF085TR-18GYYY	1060	990	915	990	785			1145	1070	985	1070	845			1140	4390
41	DCF088TR-17HYVV	1080	1015	940	1015	810			1150	1075	1000	1075	860			1130	4420
42	DCF093TR-18HVVV	1110	1035	955	1035	810			1180	1100	1015	1100	865			1135	4370
43	DCF095TR-18HVVW	1110	1035	955	1035	810			1185	1105	1020	1105	870			1135	4370
44	DCF098TR-18HVWW	1110	1035	955	1035	810			1190	1110	1025	1110	870			1135	4370
45	DCF100TR-18HWWW	1115	1035	955	1035	810			1200	1115	1030	1115	875			1140	4360
46	DCF088TR-19HYYV	795	760	720	755	760	585	755	845	805	765	805	805	805	620	1135	4850
47	DCF090TR-20HYVV	805	770	730	765	770	595	770	860	820	780	820	820	820	635	1135	4870
48	DCF095TR-21HVVV	850	815	780	810	815	625	825	895	860	820	860	860	860	665	1125	5385
49	DCF098TR-21HVVW	850	815	780	810	815	625	825	895	860	825	860	860	860	670	1130	5385
50	DCF101TR-21HVWW	850	815	780	810	815	630	825	900	865	825	865	865	865	670	1130	5380
51	DCF103TR-21HWWW	850	820	780	810	820	630	820	905	870	830	870	870	870	675	1130	5370

(1) Point load numbering starts from the control panel end of the chiller. Illustration above is for a 8 mount configuration

(2) Point loads indicated are for standard unit only

Installation Data

Weights, Point Loadings & Centre of Gravity (C of G) DCF



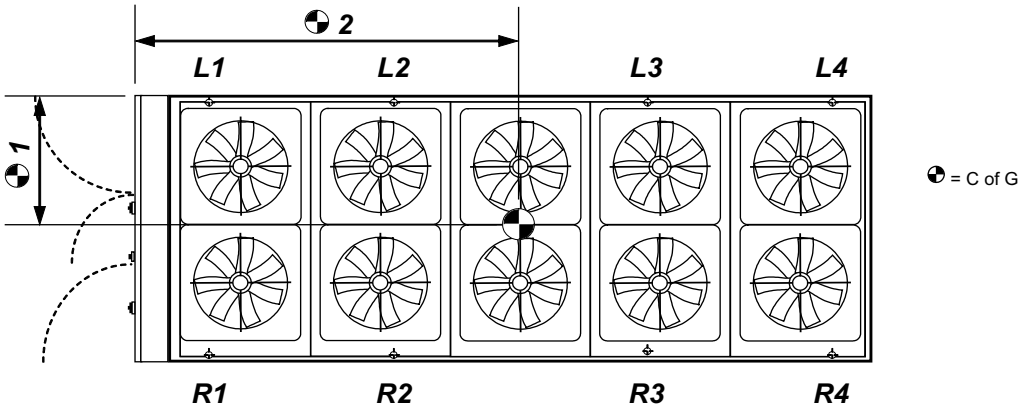
		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
52	DCF047DX-09DXY0	690	670	660	645				850	825	810	790				1210	2755
53	DCF049DX-09DPY0	665	665	660	655				800	795	790	785				1195	2815
54	DCF051DX-10DPV0	680	675	675	670				820	815	810	805				1195	2815
55	DCF053DX-10DYY0	705	685	670	655				870	850	830	810				1210	2745
56	DCF049DX-11DXY0	805	775	740	700				950	915	875	825				1185	3190
57	DCF051DX-11DPY0	785	765	740	710				905	880	850	820				1175	3255
58	DCF053DX-12DPV0	810	785	750	715				935	900	865	825				1175	3210
59	DCF055DX-11DYV0	810	775	740	695				965	925	885	835				1195	3180
60	DCF055DX-12DYY0	835	795	750	700				985	940	890	830				1190	3140
61	DCF058DX-12DVV0	840	800	755	700				1005	955	900	840				1195	3135
62	DCF062DX-12FVW0	870	825	775	715				1020	965	910	840				1185	3110
63	DCF065DX-12FWW0	870	825	775	715				1030	975	915	845				1185	3105
64	DCF050DX-13DXY0	730	695	655	695	585			850	805	760	805	680			1180	3575
65	DCF053DX-13DPY0	715	685	655	685	595			815	780	740	780	675			1165	3640
66	DCF055DX-14DPV0	730	700	665	700	605			830	795	755	795	690			1165	3640
67	DCF057DX-13DYV0	735	700	655	700	585			865	820	770	820	685			1185	3565
68	DCF057DX-14DYY0	750	710	670	710	595			870	825	780	825	695			1180	3570
69	DCF060DX-14DVV0	750	710	670	710	595			880	835	785	835	700			1185	3560
70	DCF064DX-14FVW0	775	730	690	730	615			885	840	790	840	700			1170	3555
71	DCF068DX-14FWW0	785	750	715	750	650			905	865	825	865	750			1175	3635
72	DCF069TX-13GPPY	810	790	770	790	730			935	910	885	910	840			1175	3780
73	DCF075TX-14GPYY	825	805	785	805	745			975	950	925	950	880			1185	3790
74	DCF059DX-15DYV0	810	765	715	765	640			935	880	820	880	740			1175	4155

(1) Point load numbering starts from the control panel end of the chiller. Illustration above is for a 8 mount configuration

(2) Point loads indicated are for standard unit only

Installation Data

Weights, Point Loadings & Centre of Gravity (C of G) DCF



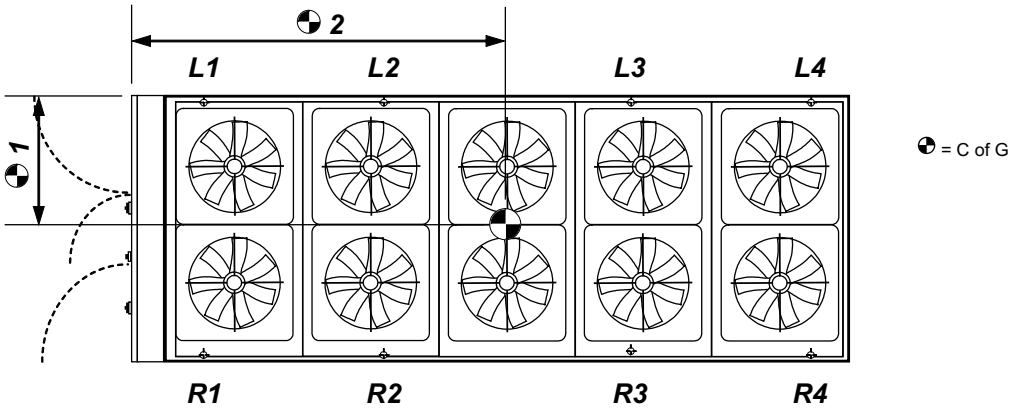
		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
75	DCF061DX-16DVV0	830	780	720	780	640			960	900	835	900	740			1175	4100
76	DCF066DX-16FVW0	855	800	740	800	655			970	905	840	905	745			1165	4090
77	DCF069DX-16FWW0	895	835	775	835	685			990	925	855	925	760			1155	4085
78	DCF073TX-16GPPY	940	890	830	890	755			1055	995	930	995	840			1160	4180
79	DCF079TX-15GYYY	945	890	825	890	740			1110	1045	970	1045	865			1185	4125
80	DCF082TX-16HYYV	985	925	865	925	775			1140	1075	1000	1075	900			1180	4145
81	DCF078TX-17GPYY	1040	980	915	980	800			1135	1065	995	1065	870			1145	4480
82	DCF082TX-18GYYY	1075	1005	925	1005	785			1195	1110	1025	1110	870			1155	4365
83	DCF085TX-17HYVV	1100	1025	945	1025	810			1200	1120	1035	1120	885			1145	4390
84	DCF089TX-18HVVV	1120	1040	960	1040	810			1230	1145	1050	1145	890			1150	4340
85	DCF092TX-18HVVW	1125	1045	960	1045	815			1235	1150	1055	1150	895			1150	4345
86	DCF094TX-18HVWW	1125	1050	965	1050	815			1240	1155	1060	1155	895			1150	4340
87	DCF096TX-18HWWW	1130	1050	965	1050	815			1250	1160	1065	1160	900			1155	4335
88	DCF074TX-19GPPY	765	730	695	725	730	560	745	820	785	745	785	785	785	610	1135	4900
89	DCF079TX-20GPYY	780	745	710	740	745	570	755	850	815	775	815	815	815	635	1145	4900
90	DCF085TX-19HYYV	805	770	725	760	770	595	755	880	840	795	840	840	840	635	1145	4815
91	DCF088TX-20HYVV	815	775	735	770	775	600	765	890	850	805	850	850	850	650	1145	4835
92	DCF084TX-21GYYY	830	795	760	790	795	610	800	900	865	825	865	865	865	670	1145	5370
93	DCF087TX-22HYYV	865	830	790	825	830	640	820	930	890	845	890	890	890	675	1135	5310
94	DCF092TX-21HVVV	860	825	785	820	825	635	820	930	890	850	890	890	890	680	1140	5340
95	DCF095TX-21HVVW	860	825	790	820	825	635	820	930	895	850	895	895	895	685	1140	5340
96	DCF097TX-21HVWW	860	825	790	820	825	635	820	935	895	855	895	895	895	685	1145	5335
97	DCF099TX-21HWWW	865	825	790	820	825	635	820	940	900	860	900	900	900	685	1145	5325

(1) Point load numbering starts from the control panel end of the chiller. Illustration above is for a 8 mount configuration

(2) Point loads indicated are for standard unit only

Installation Data

Weights, Point Loadings & Centre of Gravity (C of G) DCC



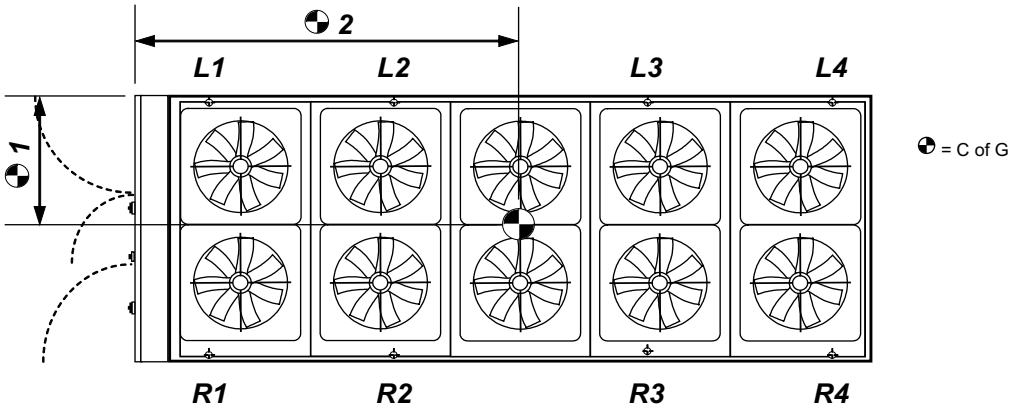
		Point loads															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
98	DCC047DR-08EPV0	500	570	625					705	805	885					1280	2475
99	DCC049DR-08EYY0	530	570	605					780	840	890					1300	2390
100	DCC049DR-10EPV0	500	490	485	475				680	670	660	650				1260	2780
101	DCC051DR-10EYY0	520	500	480	460				735	705	680	650				1280	2690
102	DCC052DR-09DYV0	530	505	490	470				740	710	685	655				1275	2690
103	DCC056DR-10DVV0	535	510	495	470				755	720	695	665				1280	2680
104	DCC058DR-10DVW0	535	510	495	475				760	725	700	670				1280	2685
105	DCC061DR-10DWW0	540	515	495	470				770	735	705	675				1285	2680
106	DCC065TR-10GPPY	555	580	595	615				745	775	795	825				1250	2965
107	DCC050DR-12EPV0	585	570	555	535				765	745	725	700				1240	3275
108	DCC052DR-12EYY0	605	580	555	520				815	785	750	705				1260	3185
109	DCC054DR-11DYV0	605	585	560	535				820	790	755	720				1255	3215
110	DCC058DR-12DVV0	620	590	565	530				840	805	765	720				1260	3170
111	DCC060DR-12DVW0	620	590	565	530				845	810	770	725				1265	3175
112	DCC063DR-12DWW0	620	595	565	530				855	815	775	730				1265	3165
113	DCC069TR-11GPYY	635	640	645	645				895	900	905	910				1275	3430
114	DCC074TR-12GYYY	675	665	650	635				970	955	935	910				1290	3310
115	DCC056DR-13DYV0	550	525	495	525	450			720	685	650	685	590			1240	3615
116	DCC059DR-14DVV0	555	525	500	525	450			730	695	660	695	590			1245	3600
117	DCC061DR-14DVW0	555	530	500	530	450			735	700	660	700	595			1245	3595
118	DCC065DR-14DWW0	555	530	500	530	450			740	705	665	705	600			1250	3585
119	DCC068TR-13GPPY	590	575	560	575	530			770	750	725	750	690			1235	3775
120	DCC072TR-14GPYY	600	585	570	585	540			805	785	760	785	720			1250	3775
121	DCC077TR-13GYYV	625	600	575	600	525			855	820	785	820	715			1260	3660
122	DCC080TR-14GYVV	635	610	580	610	535			865	830	795	830	730			1260	3665
123	DCC070TR-16GPPY	660	625	580	625	520			855	805	750	805	675			1235	4150
124	DCC077TR-15GYYY	705	655	600	655	520			950	880	805	880	700			1255	4015
125	DCC080TR-16GYYV	715	665	605	665	525			965	890	815	890	705			1255	3985
126	DCC083TR-15GVVV	710	655	600	655	520			965	895	815	895	710			1260	4000
127	DCC086TR-15GVVW	710	660	600	660	525			970	900	820	900	715			1260	4005

(1) Point load numbering starts from the control panel end of the chiller. Illustration above is for a 8 mount configuration

(2) Point loads indicated are for standard unit only

Installation Data

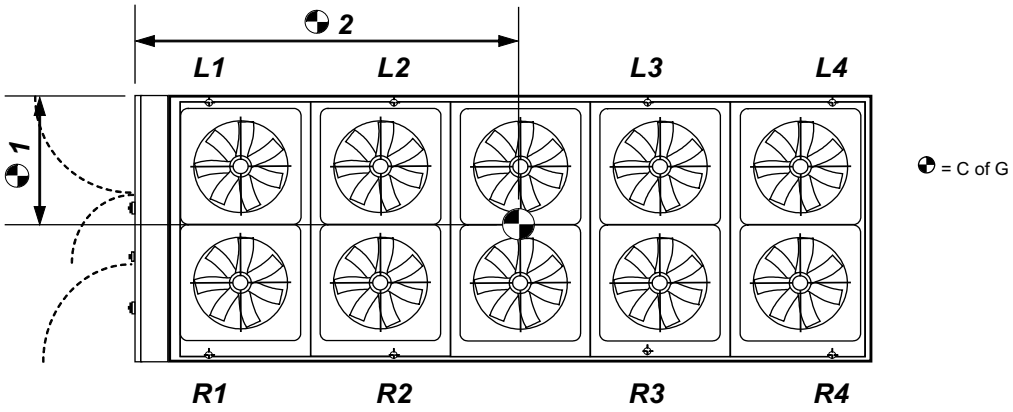
Weights, Point Loadings & Centre of Gravity (C of G) DCC



		Point loads															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
128	DCC088TR-15GVWW	710	660	605	660	525			975	905	825	905	715			1265	4000
129	DCC091TR-15GWWW	715	660	605	660	520			985	910	830	910	720			1265	3990
130	DCC074TR-17GPYY	735	685	640	685	550			950	890	825	890	715			1235	4430
131	DCC079TR-18GYYY	760	705	645	705	540			1005	935	855	935	715			1245	4300
132	DCC082TR-17GYVV	750	695	640	695	540			1005	935	855	935	720			1250	4325
133	DCC085TR-18GVVV	760	705	645	705	535			1025	945	865	945	720			1255	4285
134	DCC088TR-18GVVW	765	710	645	710	540			1030	955	870	955	725			1255	4285
135	DCC091TR-18GVWW	765	710	645	710	540			1035	960	875	960	730			1255	4285
136	DCC094TR-18GWWW	770	710	650	710	540			1045	965	880	965	730			1260	4275
137	DCC082TR-19GYYV	555	520	485	515	520	440	450	740	695	650	695	695	695	490	1250	4590
138	DCC084TR-20GYVV	560	525	490	520	525	440	455	745	705	655	705	705	705	495	1250	4600
139	DCC087TR-21GVVV	585	555	520	550	555	465	475	780	740	695	740	740	740	510	1250	5010
140	DCC090TR-21GVVW	590	555	525	550	555	465	475	785	745	700	745	745	745	515	1250	5010
141	DCC093TR-21GVWW	590	560	525	550	560	465	475	790	750	700	750	750	750	515	1255	5005
142	DCC096TR-21GWWW	590	560	525	550	560	470	475	795	750	705	750	750	750	515	1255	4990
143	DCC048DX-10EPV0	505	495	490	480				715	700	690	675				1280	2770
144	DCC049DX-10EYY0	530	505	490	465				770	735	710	680				1295	2685
145	DCC049DX-12EPV0	595	575	560	535				805	780	755	725				1255	3255
146	DCC051DX-12EYY0	615	585	560	525				855	820	780	730				1270	3165
147	DCC053DX-11DYV0	615	590	565	535				855	825	785	745				1270	3195
148	DCC056DX-12DVV0	630	600	570	530				880	835	795	745				1275	3155
149	DCC058DX-12DVW0	630	600	570	535				885	845	800	750				1275	3155
150	DCC061DX-12DWW0	630	600	570	530				895	850	805	750				1280	3145
151	DCC050DX-14EPV0	535	515	495	515	455			705	680	650	680	600			1240	3680
152	DCC052DX-14EYY0	550	525	495	525	445			745	705	670	705	600			1255	3590
153	DCC054DX-13DYV0	555	530	500	530	450			750	715	675	715	605			1255	3585
154	DCC057DX-14DVV0	560	535	505	535	450			760	720	680	720	610			1260	3570
155	DCC060DX-14DVW0	565	535	505	535	450			765	730	685	730	610			1260	3570
156	DCC063DX-14DWW0	565	535	505	535	450			775	735	690	735	615			1265	3560
157	DCC066TX-13GPPY	605	585	565	585	535			815	790	765	790	720			1255	3755

Installation Data

Weights, Point Loadings & Centre of Gravity (C of G) DCC



		Point loads															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
158	DCC070TX-14GPYY	615	595	575	595	545			850	825	800	825	755			1270	3755
159	DCC055DX-15DYV0	615	570	520	570	450			815	755	690	755	600			1250	4005
160	DCC059DX-16DVV0	625	575	520	575	450			830	765	695	765	600			1250	3955
161	DCC061DX-16DVW0	625	575	525	575	450			840	775	700	775	600			1255	3955
162	DCC065DX-16DWW0	625	575	525	575	445			845	780	705	780	605			1255	3940
163	DCC068TX-16GPPY	675	635	590	635	525			905	850	790	850	705			1255	4120
164	DCC075TX-15GYYY	690	640	585	640	515			975	905	830	905	730			1280	4035
165	DCC077TX-16GYYV	700	650	590	650	515			990	920	840	920	730			1280	4010
166	DCC072TX-17GPYY	750	700	645	700	550			1000	935	865	935	740			1250	4390
167	DCC077TX-18GYYY	775	715	655	715	540			1060	980	890	980	740			1260	4270
168	DCC080TX-17GYVV	765	710	650	710	540			1055	980	895	980	745			1270	4290
169	DCC083TX-18GVVV	775	715	655	715	540			1075	990	905	990	745			1270	4255
170	DCC086TX-18GVVW	780	720	655	720	540			1080	1000	910	1000	750			1270	4255
171	DCC088TX-18GVWW	780	720	655	720	540			1090	1005	915	1005	755			1275	4250
172	DCC091TX-18GWWW	780	720	655	720	540			1095	1010	920	1010	755			1275	4240
173	DCC070TX-19GPPY	550	520	490	515	520	435	460	720	680	640	680	680	680	490	1240	4670
174	DCC074TX-20GPYY	560	530	495	525	530	445	465	745	705	660	705	705	705	510	1250	4665
175	DCC079TX-21GYYY	595	565	530	555	565	470	475	805	760	715	760	760	760	520	1260	4980
176	DCC080TX-19GYYV	565	530	495	525	530	445	450	775	730	680	730	730	730	505	1265	4550
177	DCC081TX-22GYYV	600	570	535	560	570	480	475	815	770	720	770	770	770	520	1260	4950
178	DCC082TX-20GYVV	570	535	500	530	535	450	455	780	735	685	735	735	735	510	1265	4560
179	DCC085TX-21GVVV	595	565	530	555	565	475	475	815	770	725	770	770	770	525	1265	4960
180	DCC088TX-21GVVW	600	565	530	560	565	475	475	820	775	725	775	775	775	530	1265	4960
181	DCC091TX-21GVWW	600	565	530	560	565	475	475	825	780	730	780	780	780	530	1270	4955
182	DCC094TX-21GWWW	600	565	530	560	565	475	475	830	785	735	785	785	785	530	1270	4945

(1) Point load numbering starts from the control panel end of the chiller. Illustration above is for a 8 mount configuration

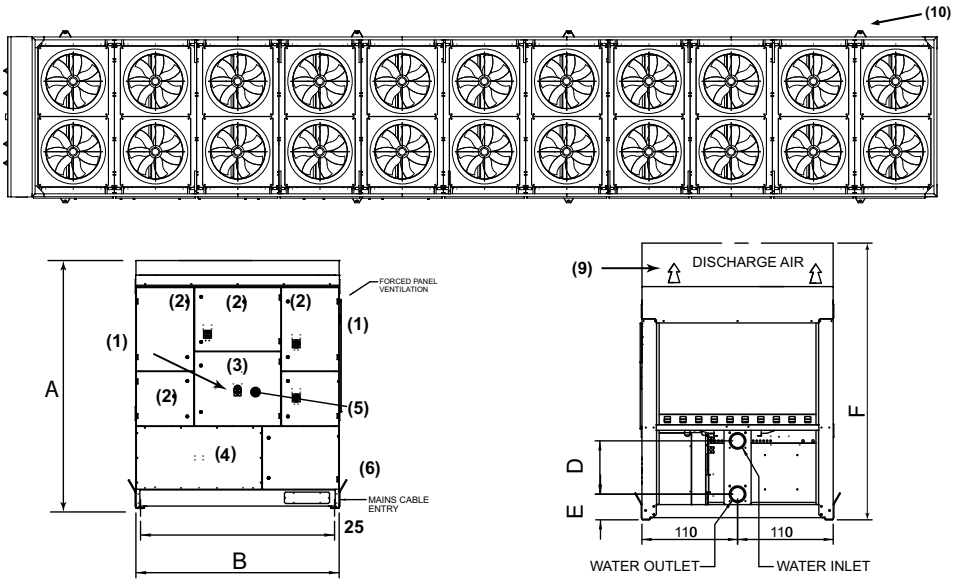
(2) Point loads indicated are for standard unit only

Installation Data

Dimensions

IMPORTANT

The following information is for general guidance; please refer to the certified drawings provided for installation.



(1) Mains Electric Isolator(s).

(2) Electric Control Panel - Circuit 1 and Circuit 2 and Circuit 3.

(3) Microprocessor Control Panel.

(4) Bus Bar Chamber / Incoming Customer Mains supply.

(5) Emergency Stop.

(6) Mains Cable Entry and route to Busbar, unit incoming mains isolation supplied by others.

(7) Water Connections: Water Inlet

(8) Water Connections Water Outlet.

(9) Optional discharge plenum extension

(10) Lifting Eye Bolts (removable).

Grooved Water Connections: Refer to mechanical Data Tables

Evaporator Water Drain/Bleed: 1/2”

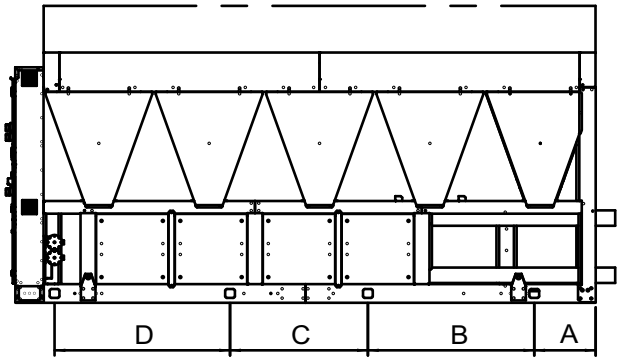
		A	B	C	D	E	F
8 Fan	mm	2682	2200	4846	550	206	3182
10 Fan	mm	2682	2200	5978	550	206	3182
12 Fan	mm	2682	2200	7110	550	206	3182
14 Fan	mm	2682	2200	8242	550	206	3182
16 Fan	mm	2682	2200	9374	550	206	3182
18 Fan	mm	2682	2200	10506	550	206	3182
20 Fan	mm	2682	2200	11638	550	206	3182
22 Fan	mm	2682	2200	12770	550	206	3182

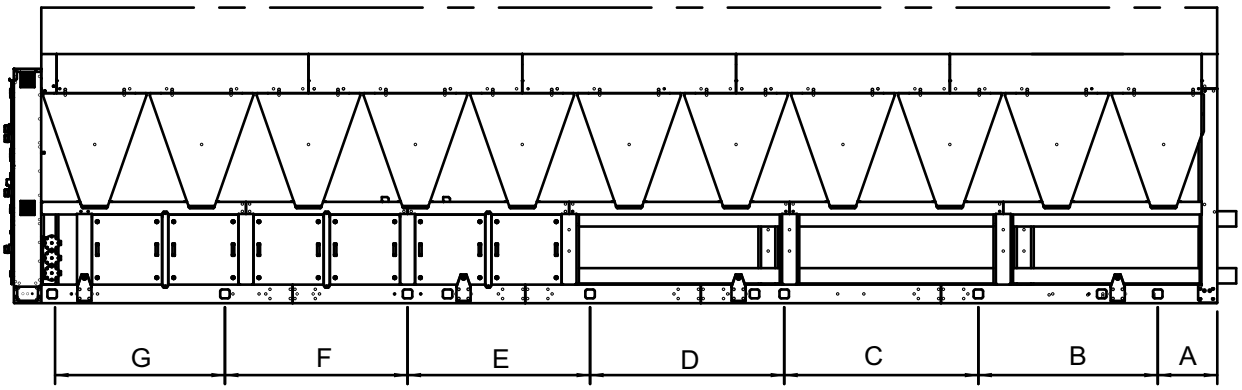
Installation Data

Unit Mounting Hole Centres

Mounting hole centres for the units start from one end depicted by “A”. As the case size increases more mounting points are required.

This mounting is required ensuring the unit does not move.





	Dimensions (mm)						
	A	B	C	D	E	F	G
8 Fan Case	652	1711	2053	N/A	N/A	N/A	N/A
10 Fan Case	630	1706	1414	1800	N/A	N/A	N/A
12 Fan Case	630	2286	1934	1830	N/A	N/A	N/A
14 Fan Case	630	1706	1711	1934	1830	N/A	N/A
16 Fan Case	395	1700	1908	2564	2377	N/A	N/A
18 Fan Case	630	2340	2160	2568	2377	N/A	N/A
20 Fan Case	630	1400	1740	1740	1933	1934	1861
22 Fan Case	630	1900	2056	2056	1933	1934	1799

Installation Data

Unit Lifting

- Employ lifting specialists
- Local codes and regulations relating to the lifting of this type of equipment should be observed
- Use the appropriate spreader bars/lifting slings (provided by others) with the eye bolts/lugs provided.
- Attach individual lifting chains to each of the lifting eye bolts/lifting lugs provided; each individual chain must be capable of lifting the whole unit
- Lifting Eye size is 40mm.

IMPORTANT
Do not use 1 chain between 2 lifting points to avoid load shift.

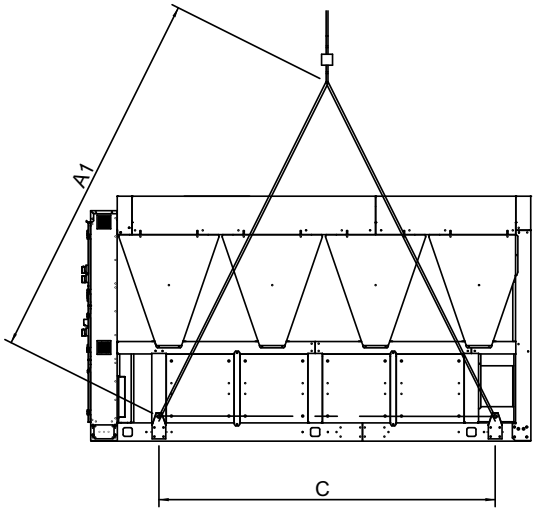
Only use lifting points provided.

Chains/slings MUST NOT interfere with the casing or fan assembly to avoid damage.

Lift the unit slowly and evenly.

If the unit is dropped, it should immediately be checked for damage and reported to Airedale.

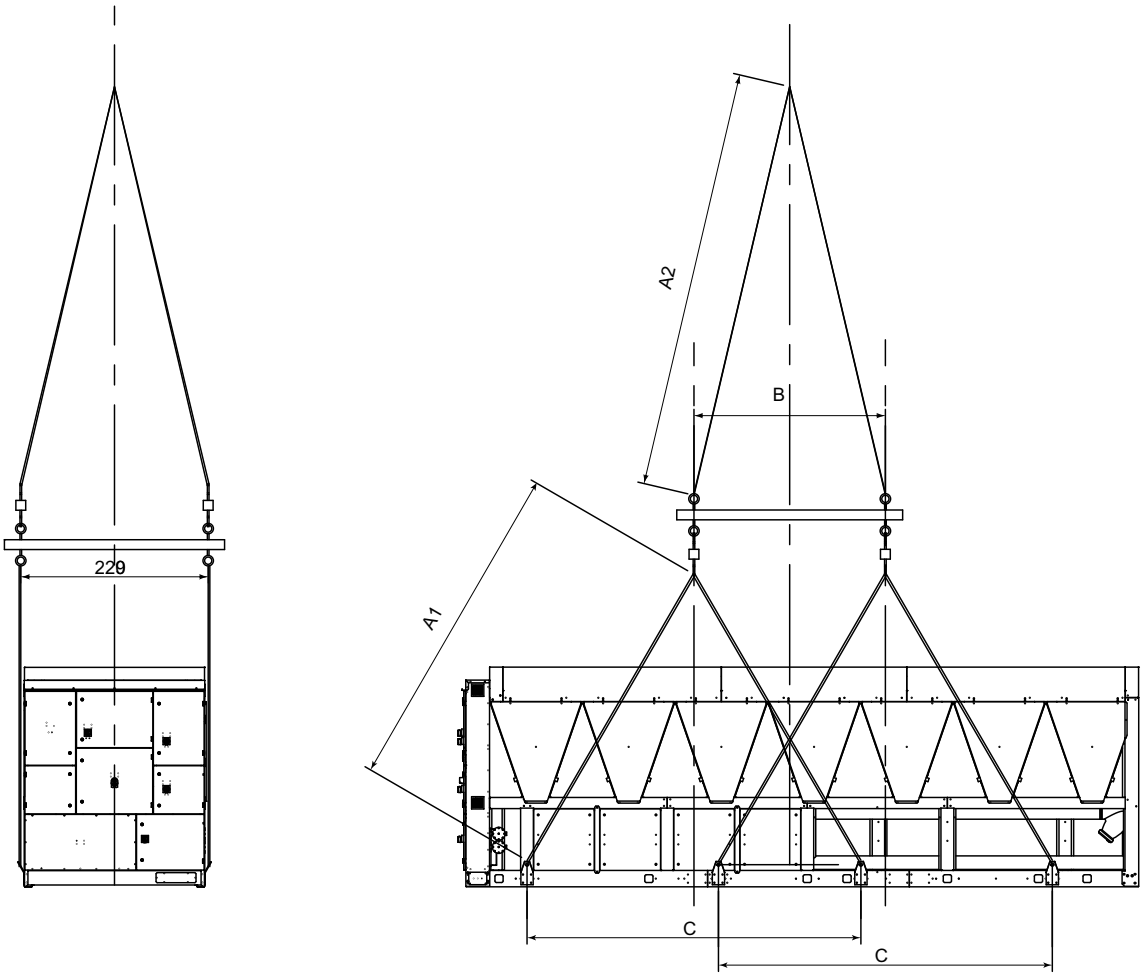
Lifting Dimensions



	Dimension (mm)			
	A1 (Min)	A2 (Min)	B	C
7 / 8 Fan Unit	4000	N/A	N/A	3680
9 / 10 Fan Unit	5000	N/A	N/A	4415
11 / 12 Fan Unit	3500	3000	2340	3145
13 / 14 Fan Unit	4500	3000	2340	4077
15 / 16 Fan Unit	5000	3000	2800	4750
17 / 18 Fan Unit	6000	3000	2950	5730
19 / 20 Fan Unit	7000	4000	3150	6660
21 / 22 Fan Unit	7000	5000	4000	6930

Installation Data

Lifting Dimensions



	Dimension (mm)			
	A1 (Min)	A2 (Min)	B	C
7 / 8 Fan Unit	4000	N/A	N/A	3680
9 / 10 Fan Unit	5000	N/A	N/A	4415
11 / 12 Fan Unit	3500	3000	2340	3145
13 / 14 Fan Unit	4500	3000	2340	4077
15 / 16 Fan Unit	5000	3000	2800	4750
17 / 18 Fan Unit	6000	3000	2950	5730
19 / 20 Fan Unit	7000	4000	3150	6660
21 / 22 Fan Unit	7000	5000	4000	6930

Installation Data

Positioning

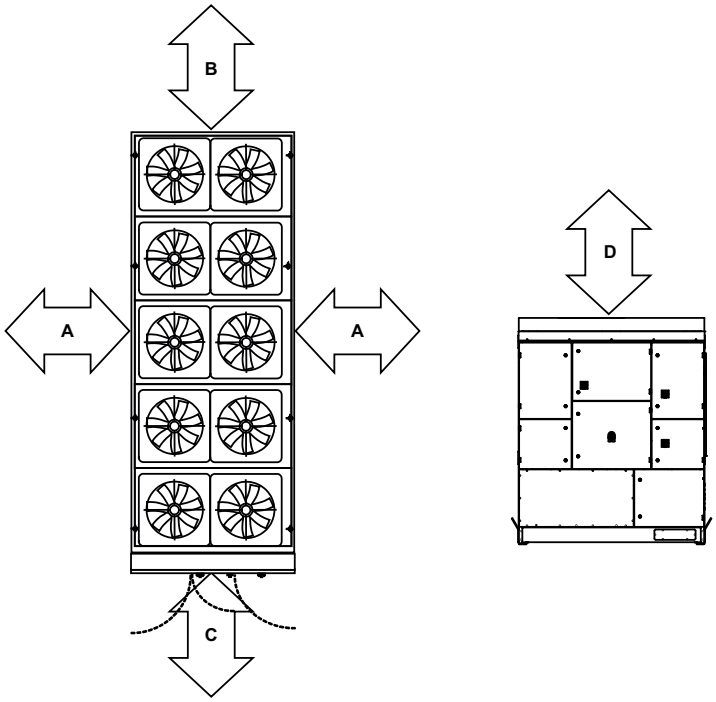
The installation position should be selected with the following points in mind:

- Position on a stable and even base, levelled to ensure that the compressor operates correctly
- Levelling should be to +/- 5mm
- Where vibration transmission to the building structure is possible, fit spring anti-vibration mounts and flexible water connections
- Observe airflow and maintenance clearance
- Pipework and electrical connections are readily accessible
- Where multiple units are installed, due care should be taken to avoid the discharge air from each unit adversely affecting other units in the vicinity
- Within a side enclosed installation, the fan **MUST** be higher than the enclosing structure
- Increase airflow and maintenance clearances for side-enclosed or multiple unit applications.
- Allow free space above the fans to prevent air recirculation
- Ensure that there is a safe access and operating area provided for unit controls

CAUTION

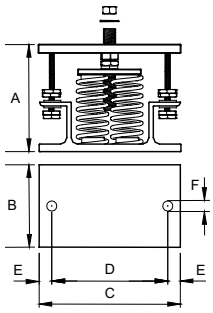
Prior to connecting services, ensure that the equipment is installed and completely level.

Airflow & Maintenance Clearances



Application	Distance from Overall Base Dimension (mm)			
	A	B	C	D
Free of walls and overhang	1300	1300	1300	1300
Enclosed to A	2600	1300	1300	1300
Unit parallel with A	2600	1300	1300	1300
Enclosed to B	1300	2600	1300	1300
Unit in line with B	1300	1300	1300	1300
Unit in line with C Controls End	1300	1300	2600	1300
Enclosed to C	1300	1300	2600	1300

Installation Data



Anti Vibration Mounting (Optional)

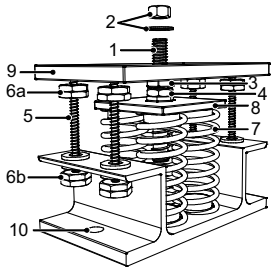
Spring Type

Each mount is coloured to indicate the different loads, refer to instructions supplied for correct allocation.

Dimensions

	A(1)	B	C	D	E	F
DCC / DCF Units	180	130	225	186	20	16

(1) Unloaded dimension



Components

1	Locating Screw	6b	Lower Retaining Nuts
2	Retaining Nut & Washer	7	Spring Assembly
3	Levelling Screw	8	Pressure Plate
4	Levelling Lock Nut	9	Top Plate
5	Retaining Studs	10	Bolting-down Holes
6a	Upper Retaining Nuts		

Installation

1. Locate and secure mount using bolting down holes (10) in base plate.
2. Ensure mounts are located in line with the unit base.
3. If applicable, remove compressor enclosure covers to allow access to mount fixing holes in the unit base.
4. Lock the upper retaining nuts (6a) to the underside of the top plate (9) before a load is applied.
5. Slacken levelling lock nut (4). (the levelling screw will not move if this is not slackened)
6. Remove retaining nut and washer (2), lower the unit onto the mounts and replace retaining nut and washer.

Beginning with the mount with the largest deflection adjust the height of each mount using the levelling screw (3).

CAUTION ⚠
Mountings must be adjusted incrementally in turn. Do not fully adjust 1 mount at a time as this may overload and damage springs.

When all mounts are level, lock each into place using the levelling lock nut (4)

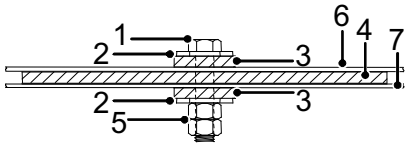
7. Lock all retaining nuts (6a and 6b) to the extreme ends of the retaining studs (5)

CAUTION ⚠
Do not connect any services until all anti vibration mounts have been fully adjusted.

Pad Type

Components/Installation

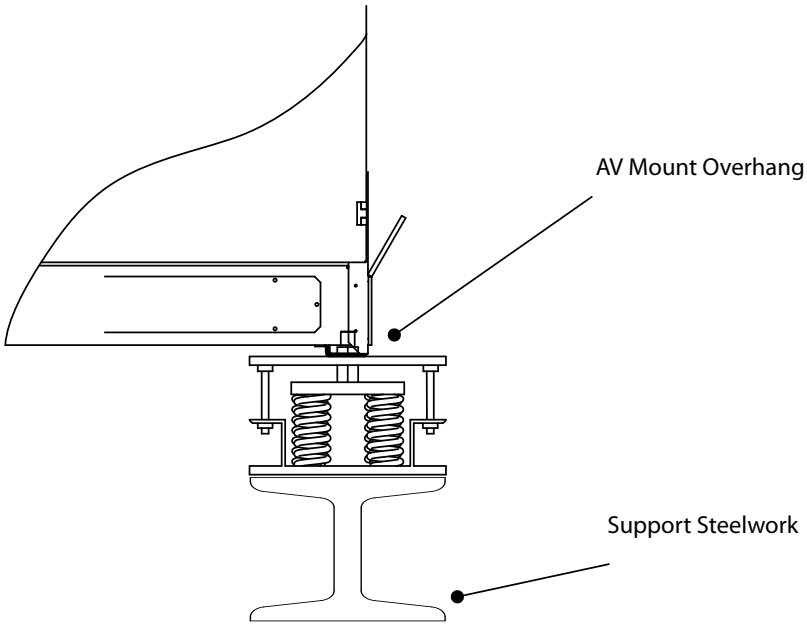
1. M16 Bolt (Not Supplied)
2. Washer (Not Supplied)
3. Fixing Pad 6173231
4. A V Pad 6173223
5. 2 x M16 Nut (Not Supplied)
6. Unit Base
7. Unit Mounting Plinth



Anti Vibration Mounts location to Unit and Plinth

The Anti Vibration mount is larger than the unit base. Consideration must be made with regard to steelwork / concrete plinth sizes. Full information is available on the approved General Arrangement drawings.

The base of the unit is open. Considerations must be made for service and maintenance requirements if the unit is installed on a gantry.



Installation Data

Water System

Chilled water pipe work and ancillary components must be installed in accordance with:

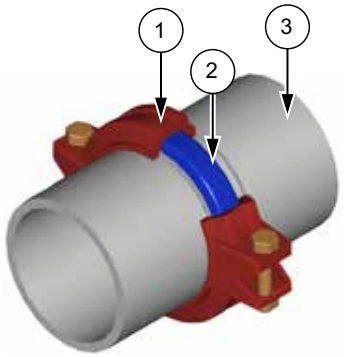
- National and Local Water supply company standards
- The manufacturer's instructions are followed when fitting ancillary components
- The system liquid is treated to prevent corrosion and algae forming
- In ambient of 3°C and below, where static water can be expected, or when water supply temperatures of +5°C or below is required, the necessary concentration of Glycol or use of an electrical trace heater must be included
- The schematic is referred to as a guide to ancillary recommendations

CAUTION ⚠

The unit water connections are NOT designed to support external pipe work, pipe work MUST be supported separately.

Grooved & Clamped Type Connection

1. Clamp
2. Gasket
3. Counter pipe



Standard Recommended Installation

General

The following diagram illustrates the minimum component installation requirements. A wide range of optional extras are available to suit various applications.

CAUTION ⚠

The following installation recommendations should be adhered to. Failure to do this may invalidate the chiller warranty.

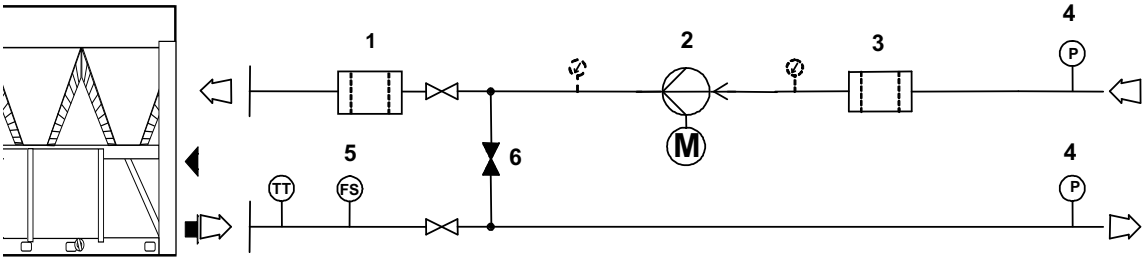
The water flow commissioning valve set is not shown in the diagram, as the valve can be fitted elsewhere within the chilled water circuit.

1	Filter 20 Mesh (If not included within unit)	4	Pressure Sensor
2	Pump	5	Flow Switch
3	Filter 1/16"	6	Flushing Bypass Leg

CAUTION ⚠

Full design water flow MUST be maintained at all times. Variable water volume is NOT recommended and will invalidate warranty.

The correct operation of the flow proving device is critical if the Chiller warranty is to be valid.



Installation Data

Water Systems and Recommended Flow Schemes

Component Recommended Requirements

The recommended requirements to allow commissioning to be carried out correctly are:

- The inclusion of Binder Points adjacent to the flow and return connections, to allow temperature and pressure readings
- A flow switch or equivalent, fitted adjacent to the water outlet side of the Chiller
- A 20 mesh strainer fitted prior to the evaporator inlet
- A water-flow commissioning valve set fitted to the system
- In multiple Chiller installations, 1 commissioning valve set is required per chiller
- Air vents are to be installed at all high points and where air is likely to be trapped at intermediate points
- Drain points are to be installed at all low points in the system and in particular adjacent to the unit for maintenance to be carried out
- Isolating valves should be installed adjacent to all major items of equipment for ease of maintenance
- Balancing valves can be installed if required to aid correct system balancing
- All chilled water pipe work must be insulated and vapour sealed to avoid condensation
- If several units are installed in parallel adjacent to each other, reverse return should be applied to avoid unnecessary balancing valves

Pump Statement

When installing circulating water pumps or equipment containing them, the following rules should be applied:

- Ensure the system is filled with water then vented and the pump primed with water before running the pump, this is required because the pumped liquid cools the pump bearings and mechanical seal faces.
- To avoid cavitation the NPSH (Net Positive Suction Head) incorporating a safety margin of 0.5m head must be available at the pump inlet during operation

Interlocks & Protection

Always electrically interlock the operation of the chiller with the pump controls **and** water flow switch.
These safety devices prevent the chiller operating with low water flow which can cause serious damage.

CAUTION ⚠
Failure to install both safety devices will invalidate the chiller warranty.

Do not rely solely on the BMS to protect the chiller against low flow conditions.

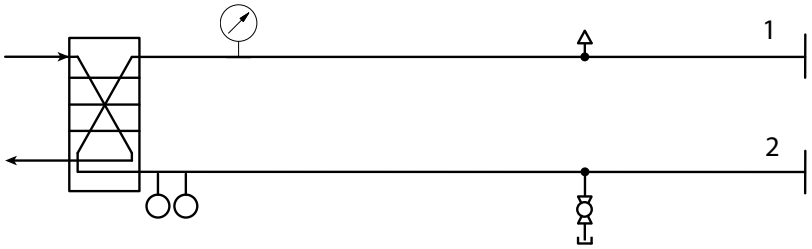
An evaporator pump interlock and flow switch MUST be directly wired to the Chiller, refer to ***Interconnecting Wiring***.

Flow Schemes

1 Water In 2 Water Out

Basic Supplied Water Schematic

(Includes Flow Proving Device)

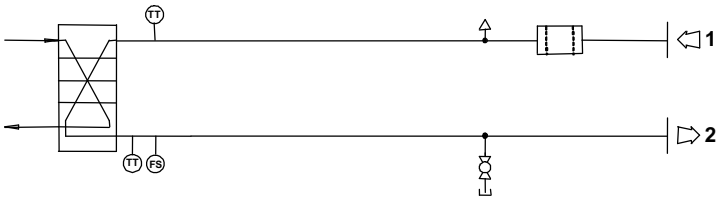


Installation Data

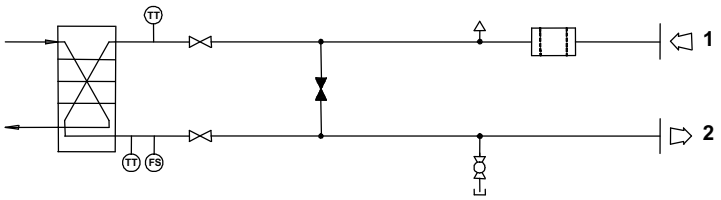
Optional Flow Schemes

Key: 1 Water In
2 Water Out

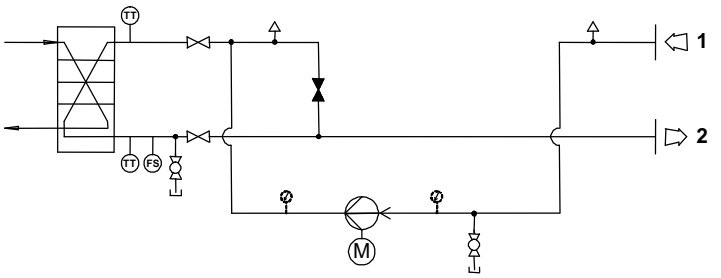
Filter Only Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter



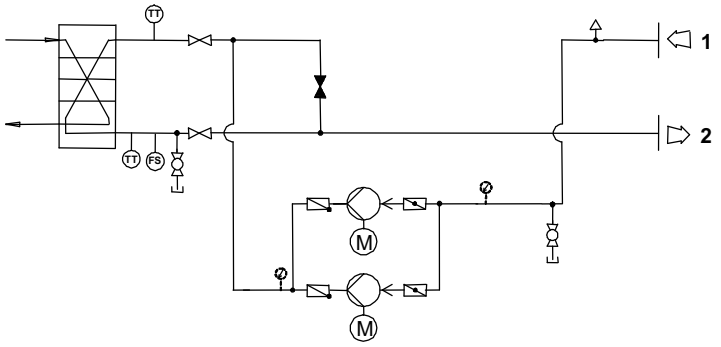
Filter - Flushing Bypass Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter
- Flushing Bypass Circuit



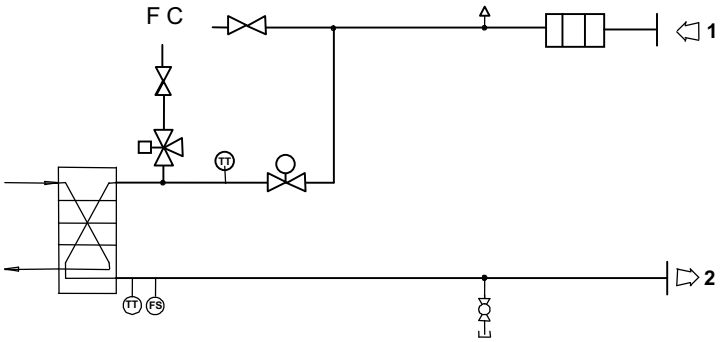
Single Head Pump Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter (supplied loose)
- Flushing Bypass Circuit
- Single Head Pump



Single Head Run/Standby Pump Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter (supplied loose)
- Flushing Bypass Circuit
- Single Head Run/ Standby Pump



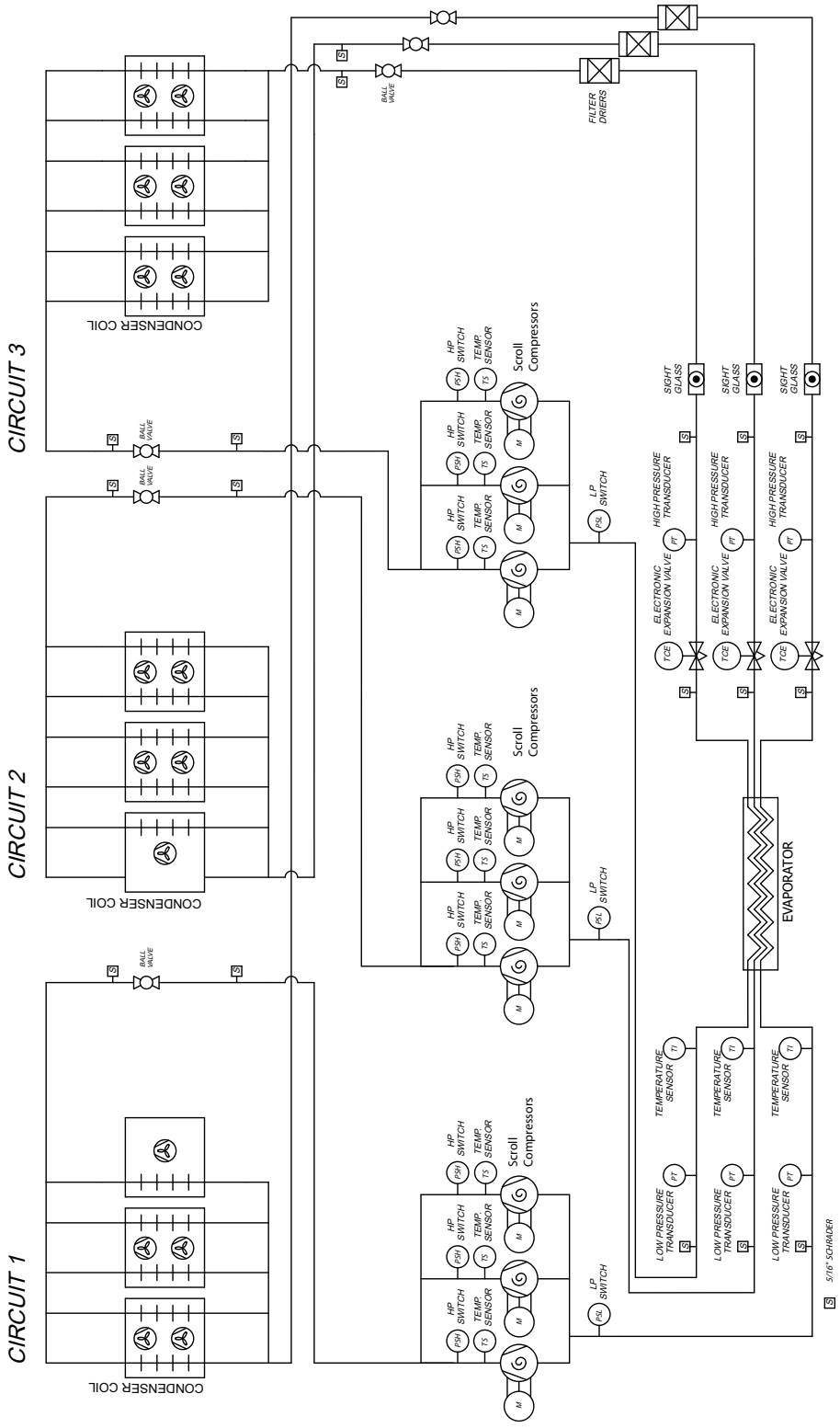
Standard Free Cool Circuit
Incorporating
- Double Regulating Valve
- Mixing Valve
- 20 Mesh Water Filter (supplied loose)



The 20 Mesh water filter is supplied loose when

Installation Data

Refrigeration Schematic



Schematic shows a triple Circuit machine

Installation Data

Electrical

IMPORTANT
Please refer to the electrical wiring diagrams provided for installation.

ALL work MUST be carried out by technically trained competent personnel.
The equipment contains live electrical and moving parts, ISOLATE prior to maintenance or repair work.
The unit isolators DO NOT isolate the incoming mains supply, but isolate the individual electrical panels.
Isolate REMOTELY the mains incoming supply to the BUSBAR chamber prior to maintenance or repair work.

General

As standard the equipment is designed for 400VAC, 3 phase, 3 wire 50Hz and a separate permanent 230VAC, 1 phase, 50Hz supply, to all relevant IEE regulations, British standards and IEC requirements

The control voltage to the interlocks is 24V AC, always size the low voltage interlock and protection cabling for a maximum voltage drop of 2V

Avoid large voltage drops on cable runs, particularly low voltage wiring.

CAUTION
The Emergency Stop MUST NOT be used to stop the Chiller other than in the event of an emergency.

A fused and isolated electrical supply of the appropriate phase, frequency and voltage should be installed.

Wires should be capable of carrying the maximum load current under non-fault conditions at the stipulated voltage.

A separately fused, locally isolated, permanent single phase and neutral supply MUST BE FITTED for the compressor oil heater, evaporator trace heating and control circuits, FAILURE to do so will INVALIDATE WARRANTY.

To reduce down time, if possible support the above supply with a UPS.

Ensure correct phase rotation.

Refrigeration

Before running the unit, all shut off valves must be opened. Any packaging must be carefully removed from coils.

Transport Brackets

CAUTION
Please ensure the removal of the transport bracket prior to operating the compressors.
Failure to do so will invalidate warranty.

Installation Data

Interconnecting Wiring

DCC / DCF		L1	○	←		
		L2	○	←		Mains incoming supply 400V/3PH/50Hz
		L3	○	←		
		PE	○	←		
		L4	○	←		
		N1	○	←	(1)	Separate Permanent Supply 230V/1PH/50Hz
		PE	○	←		
		L4	○	→		External Trace Heating Connections
		N1	○	→		240V/500W max
		502	○	→		Unit Remote On/Off 24VAC
		505	○	←		
		500	○	→	(1)	**Evaporator Water Flow Switch 24VAC**
		504	○	←		
		502	○	→	(1)	**Remote Pump On / Off**
		515	○	←		
		502	○	→	(1)	**Remote Pump Interlock**
		529	○	←		
		500	○	→		Remote setpoint adjust
		825	○	←		
		573	○	←		Volt Free Common Alarm
		574	○	→	Non-Critical Alarm	Volt Free Alarm N/O
		575	○	→		Volt Free Alarm N/C
		576	○	←		Volt Free Common Alarm
		577	○	→	Critical Alarm	Volt Free Alarm N/O
		578	○	→		Volt Free Alarm N/C
		RX-/Tx-	○	←		
		RX+/Tx+	○	←	Use Awg20/22 twisted pair (with overall shield) cable, Belden ref. 8762 (Airedale ref: 6110316), or equivalent, for network	Network Connections In
		GND	○	←		
		RX-/Tx-	○	→		
		RX+/Tx+	○	→	Use Awg20/22 twisted pair (with overall shield) cable, Belden ref. 8762 (Airedale ref: 6110316), or equivalent, for network	Network Connections
		GND	○	→		

CAUTION

(1) MUST be directly wired to the chiller to validate warranty.

Design Data

Measurement of Sound Data

All sound data quoted has been measured in the third-octave band limited values, using a Real Time Analyser calibrated sound intensity meter in accordance with BS EN ISO 9614 Part 1:1995. The Global sound data quoted is valid for noise emitted in the horizontal plane in all directions.

All Sound Power Levels quoted are calculated from measured sound intensity according to BS EN ISO 9614 Part 1: 1995.

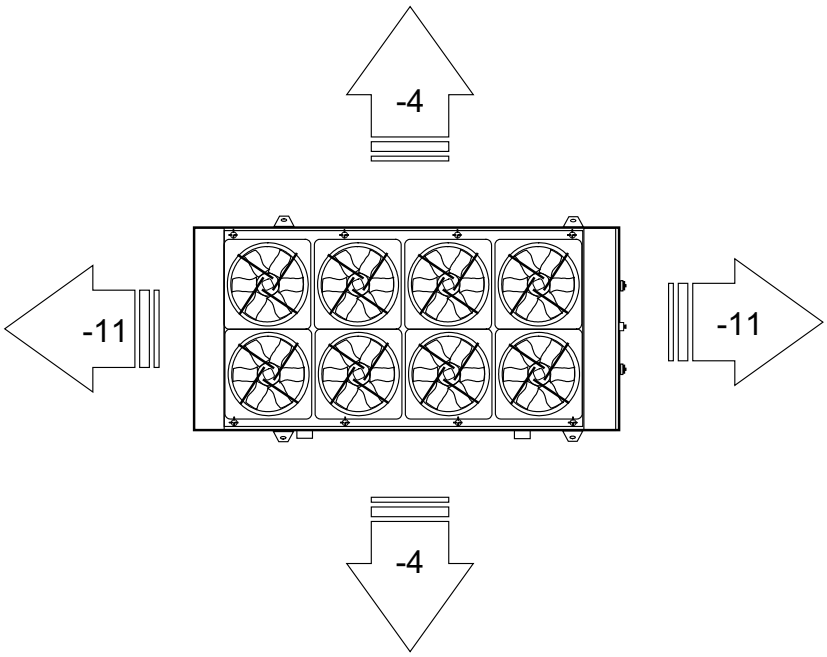
Sound Pressure Levels are calculated from sound power using the expanded parallelepiped method according to BS EN ISO 11203: 1996.

Sound Directivity

The Global sound measurements quoted in the following tables do not incorporate any directivity or denote any sound level heard at any given position surrounding the unit, rather they represent the total sound level radiating from the unit in all directions in the horizontal plane from source.

Using the adjustment factors from the map below, directional sound power levels can be derived from the global sound power data.

Base Correction Values - Global dB



Design Data

Part Load Efficiencies

ESEER

The quoted EER figures cover the performance of the unit ONLY at the standard rating conditions of 7/12°C water, 35°C ambient. The ESEER calculation method has been developed by Eurovent to give a single value that is a realistic indication of the efficiency of the Chiller across the year round range of operation.

The ESEER value is calculated from the unit's performance at 20, 25, 30 and 35°C ambient temperatures for all loading stages, and with a fixed 7°C supply temperature. All calculations assume the system operates with 100% water.

$$ESEER = 0.03.EER_{100\%} + 0.33.EER_{75\%} + 0.41.EER_{50\%} + 0.23.EER_{25\%}$$

Where 0.03, 0.33, 0.41 and 0.23 are specified weighting factors for use on calculating ESEER.

Temperature	35°C	30°C	25°C	20°C
Capacity Requirement	100%	75%	50%	25%
Percentage of Total Hours	0.03	0.33	0.41	0.23

SEER

The quoted EER figures cover the performance of the unit ONLY at the standard rating conditions of 7/12°C water, 35°C ambient. The SEER calculation method is used for part of the Building Regulations Part "L" gives a realistic indication of the efficiency of the Chiller across the year round range of operation.

The SEER value is calculated from the unit's performance at 20, 25, 30 and 35°C ambient temperatures for all loading stages, and with a fixed 7°C supply temperature. All calculations assume the system operates with 100% water.

$$SEER = 0.12.EER_{100\%} + 0.32.EER_{75\%} + 0.36.EER_{50\%} + 0.2.EER_{25\%}$$

Where 0.12, 0.32, 0.36 and 0.2 are specified weighting factors for use on calculating SEER.

Temperature	35°C	30°C	25°C	20°C
Capacity Requirement	100%	75%	50%	25%
Percentage of Total Hours	0.12	0.32	0.36	0.2

Design Data

Glycol

Glycol is recommended when a supply water temperature of +5°C or below is required or when static water can be exposed to freezing temperatures (lower than 3°C Ambient). This is specified further in the environmental consideration section at the front of this document.

$Kw = \rho \times m \times Cp \times \Delta t$

Where

kW = Cooling Performance (KW)
ρ = Density of cooling medium (kg/m^3)
m = mass flow of cooling media (kg/s)
Cp = Specific heat Capacity (kj/kg K)
Δt = Temperature difference between Inlet and Outlet (K)

Ethylene Glycol Specific Heat

	Glycol Percentage / Freezing Point					
Temperature °C	0% / 0°C	20% / -7.8°C	25% / -10.7°C	30% / -14.1°C	35% / -17.9°C	40% / -22.3°C
0	4.21	3.77	3.68	3.59	3.50	3.40
5	4.20	3.78	3.69	3.60	3.51	3.42
10	4.19	3.79	3.71	3.62	3.53	3.44
15	4.19	3.80	3.72	3.63	3.54	3.45
20	4.18	3.82	3.73	3.65	3.56	3.47
25	4.18	3.83	3.74	3.66	3.57	3.49
30	4.18	3.84	3.76	3.67	3.59	3.50
35	4.18	3.85	3.77	3.69	3.60	3.52
40	4.18	3.86	3.78	3.70	3.62	3.54
45	4.18	3.87	3.79	3.72	3.63	3.55

Ethylene Glycol Density

	Glycol Percentage / Freezing Point					
Temperature °C	0% / °C	20% / -7.1°C	25% / -9.6°C	30% / -12.7°C	35% / -16.4°C	40% / -21.1°C
0	999.8	1035.7	1043.7	1051.8	1059.3	1066.8
5	999.9	1034.4	1042.4	1050.3	1057.8	1065.2
10	999.7	1032.9	1040.9	1048.8	1056.1	1063.5
15	999.0	1031.4	1039.2	1047.1	1054.4	1061.7
20	998.2	1029.7	1037.5	1045.3	1052.5	1059.7
25	997.0	1027.9	1035.6	1043.3	1050.5	1057.6
30	995.6	1026.0	1033.6	1041.3	1048.3	1055.4
35	994.0	1024.0	1031.5	1039.1	1046.1	1053.1
40	992.2	1021.8	1029.3	1036.8	1043.7	1050.6
45	990.2	1019.6	1027.0	1034.4	1041.2	1048.1

Correction Factors

Glycol in System / Freezing Point ºC		10% / -4°C	20% / -9°C	30% / -15°C	40% / -23°C
Cooling Duty	Catalogue Data x by:	0.98	0.97	0.95	0.93
Input Power		0.99	0.98	0.96	0.95
Water Flow		0.99	1.02	1.04	1.07
Pressure Drop		1.05	1.20	1.38	1.57

Design Data

Glycol

Glycol is recommended when a supply water temperature of +5°C or below is required or when static water can be exposed to freezing temperatures (lower than 3°C Ambient). This is specified further in the environmental consideration section at the front of this document.

$Kw = \rho \times m \times Cp \times \Delta t$

Where

kW = Cooling Performance (KW)
ρ = Density of cooling medium (kg/m^3)
m = mass flow of cooling media (kg/s)
Cp = Specific heat Capacity (kj/kg K)
Δt = Temperature difference between Inlet and Outlet (K)

Propylene Glycol Specific Heat

	Glycol Percentage / Freezing Point					
Temperature °C	0% / °C	20% / -7.1°C	25% / -9.6°C	30% / -12.7°C	35% / -16.4°C	40% / -21.1°C
0	4.21	3.93	3.86	3.79	3.72	3.64
5	4.20	3.94	3.87	3.81	3.73	3.65
10	4.19	3.95	3.89	3.82	3.75	3.67
15	4.19	3.96	3.90	3.83	3.76	3.69
20	4.18	3.97	3.91	3.85	3.78	3.70
25	4.18	3.98	3.92	3.86	3.79	3.72
30	4.18	3.99	3.94	3.88	3.81	3.74
35	4.18	4.01	3.95	3.89	3.82	3.75
40	4.18	4.02	3.96	3.90	3.84	3.77
45	4.18	4.03	3.97	3.92	3.85	3.78

Propylene Glycol Density

	Glycol Percentage / Freezing Point					
Temperature °C	0% / °C	20% / -7.1°C	25% / -9.6°C	30% / -12.7°C	35% / -16.4°C	40% / -21.1°C
0	999.8	1025.8	1031.0	1036.2	1040.7	1045.1
5	999.9	1024.3	1029.4	1034.5	1038.8	1043.1
10	999.7	1022.7	1027.6	1032.6	1036.8	1040.9
15	999.0	1020.9	1025.7	1030.5	1034.6	1038.7
20	998.2	1019.0	1023.7	1028.4	1032.3	1036.2
25	997.0	1017.0	1021.5	1026.1	1029.9	1033.7
30	995.6	1014.8	1019.2	1023.6	1027.3	1031.0
35	994.0	1012.6	1016.8	1021.1	1024.7	1028.2
40	992.2	1010.2	1014.3	1018.4	1021.9	1025.3
45	990.2	1007.6	1011.6	1015.6	1018.9	1022.2

Correction Factors

Glycol in System / Freezing Point ºC		10% / -2°C	20% / -6°C	30% / -12°C	40% / -20°C
Cooling Duty	Catalogue Data x by:	0.97	0.95	0.91	0.88
Input Power		0.99	0.98	0.96	0.95
Water Flow		0.98	0.97	0.95	0.95
Pressure Drop		1.08	1.17	1.31	1.45

Minimum System Water Volume Calculations

METHOD 1

(Preferred Method) Where the system permanent heat load is known, the minimum water volume in litres Vmin is:

Vmin = Water Flow Rate (litres/minute) x Minimum Compressor Run Time (mins) x Chiller Loading Factor

Where
Vmin is the minimum water volume in litres
Minimum Compressor Run Time is 2 minutes

$$\text{Chiller loading factor} = \frac{\text{Minimum Turndown (kW)} \times 1.2}{\text{Permanent Heat Load}}$$

Example: Chiller at 35°C Ambient, 7/12°C Water, Model DCF046DR-07DXY0 with a permanent load of 191.2 kW

Unit capacity at design conditions = 478 kW
Permanent Heat Load = 191.2kW
Minimum Turndown = 16%

$$\text{Vmin} = \frac{\text{478} \times 0}{\text{4.19} \times 5} \times 2 \times \frac{(\text{478} \times 0.16} \times 1.2 = 13.42 \text{ Litres}$$
$$\text{191.2}$$

METHOD 2

Where the system permanent heat load is unknown:

Vmin = Water Flow Rate (litres/hour) x Minimum turndown ratio x 1.2
Maximum number of compressor starts (per hour)

Example: Chiller at 35°C Ambient, 7/12°C Water, Model DCC046DR-07DXY0

Unit capacity at design conditions = 478 kW
Minimum Turndown = 16% (0.16)

$$\text{Vmin} = \frac{\frac{\text{478} \times 0 \times 0.16 \times 1.2}{\text{4.19} \times 5}}{12} = 13.42 \text{ Litres}$$

Technical Data DCF

Cooling Performance Free Cool

The Freecool potential of the DeltaChill can be determined by the temperature difference of the ambient air and the return water temperatures. The graphs show a temperature difference and therefore changing Freecool ability.

The cooling capacity is derived by multiplying the total number of Fans on the unit by the values of flowrate and capacity.

Example

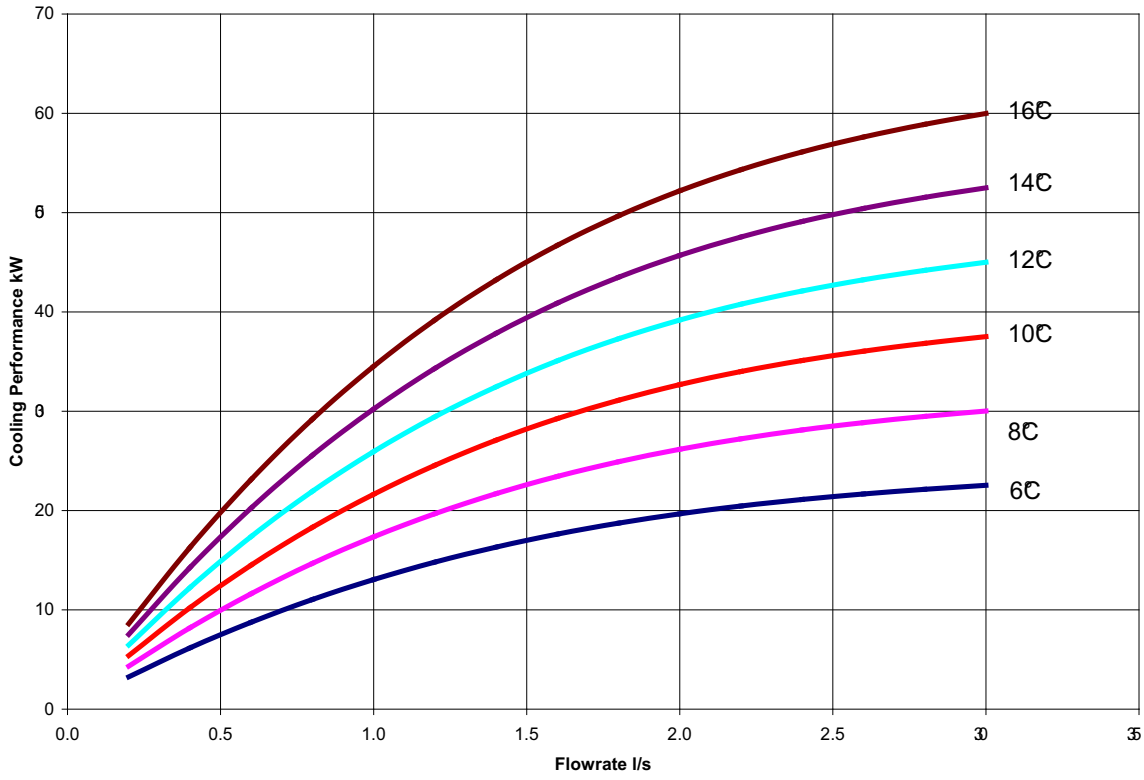
Return water temperature 14°C
Temperature difference from ambient to return water temperature 10 K
Therefore ambient 4°C

DCF047DX-09DXY0 chiller having 9 fans equates to

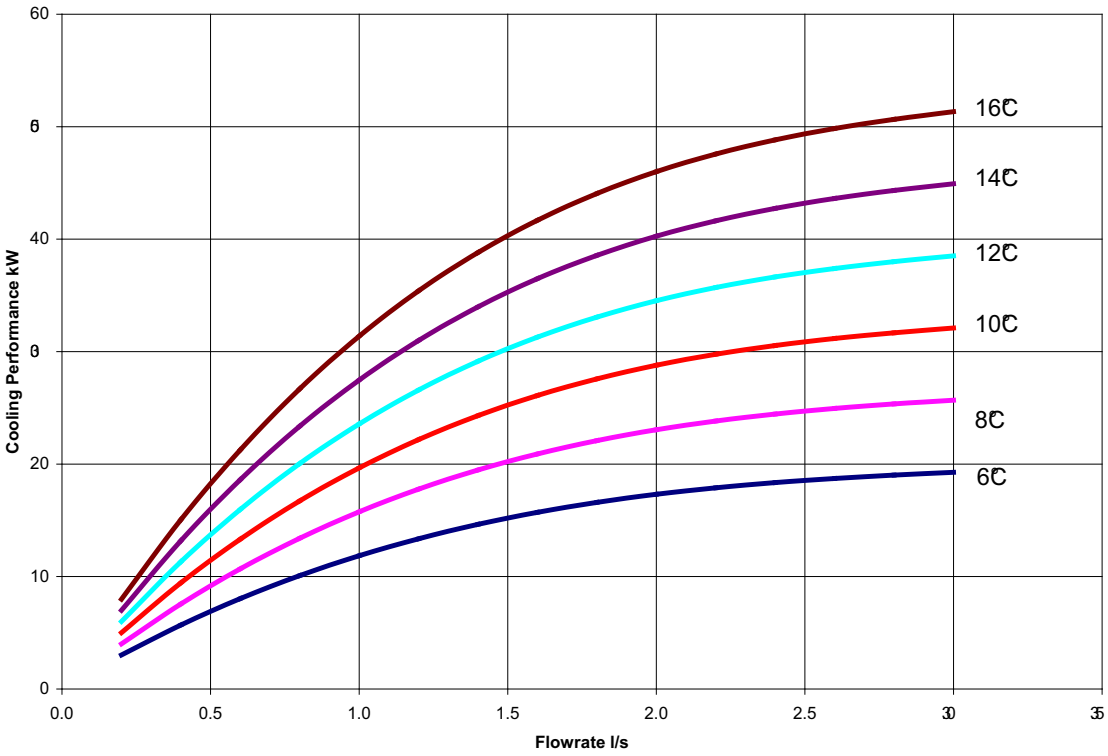
Cooling capacity	39kW x 9	=	351kW*
Flowrate	1.5 l/s x 9	=	13.5 l/s*

*Exact cooling capacity and water flowrate may change for unit given above.

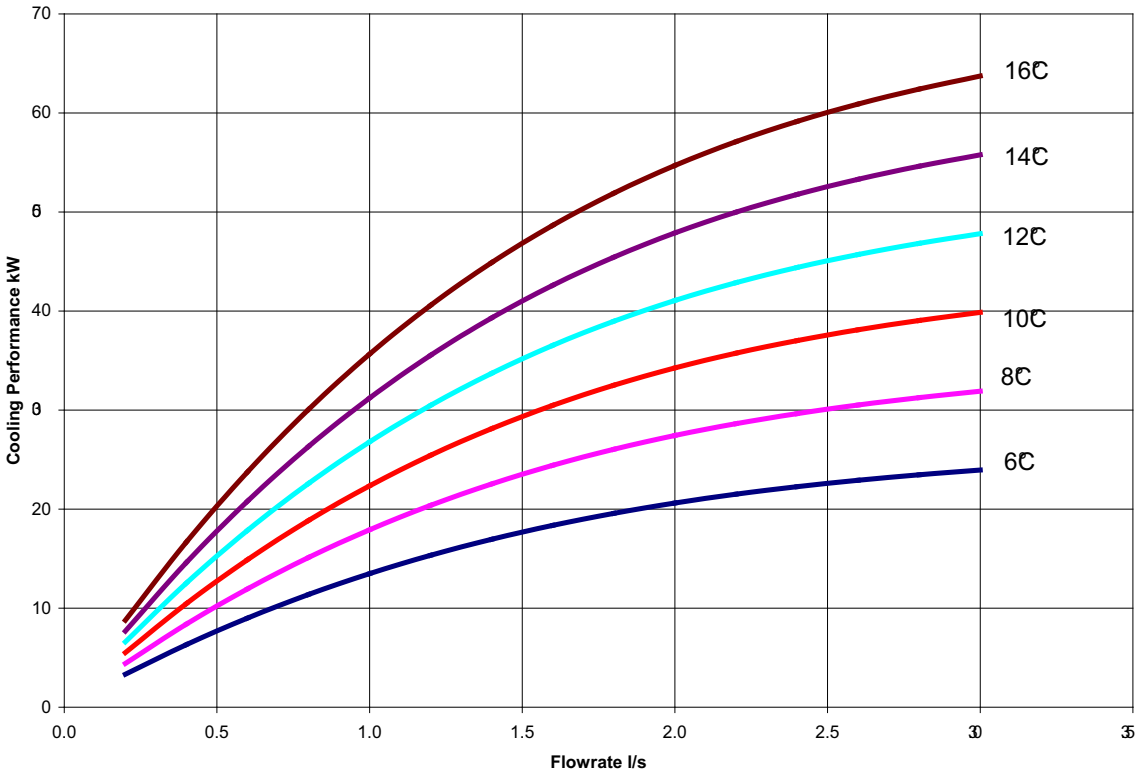
AC Fans Regular Quiet



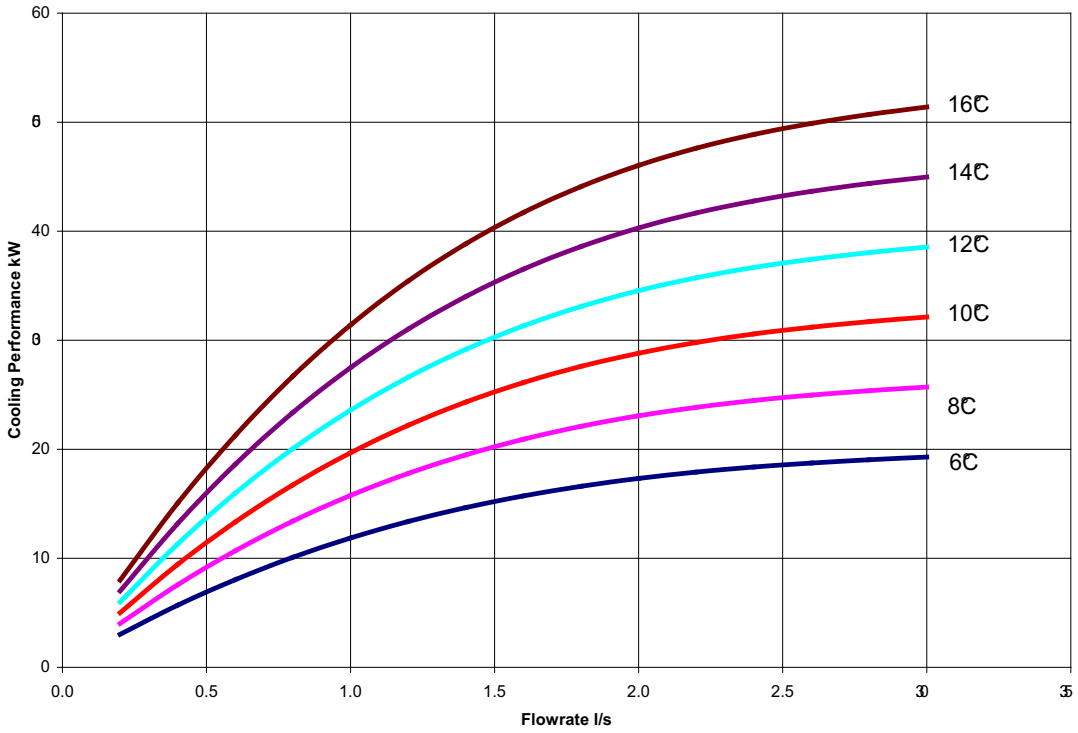
AC Fans Extra Quiet



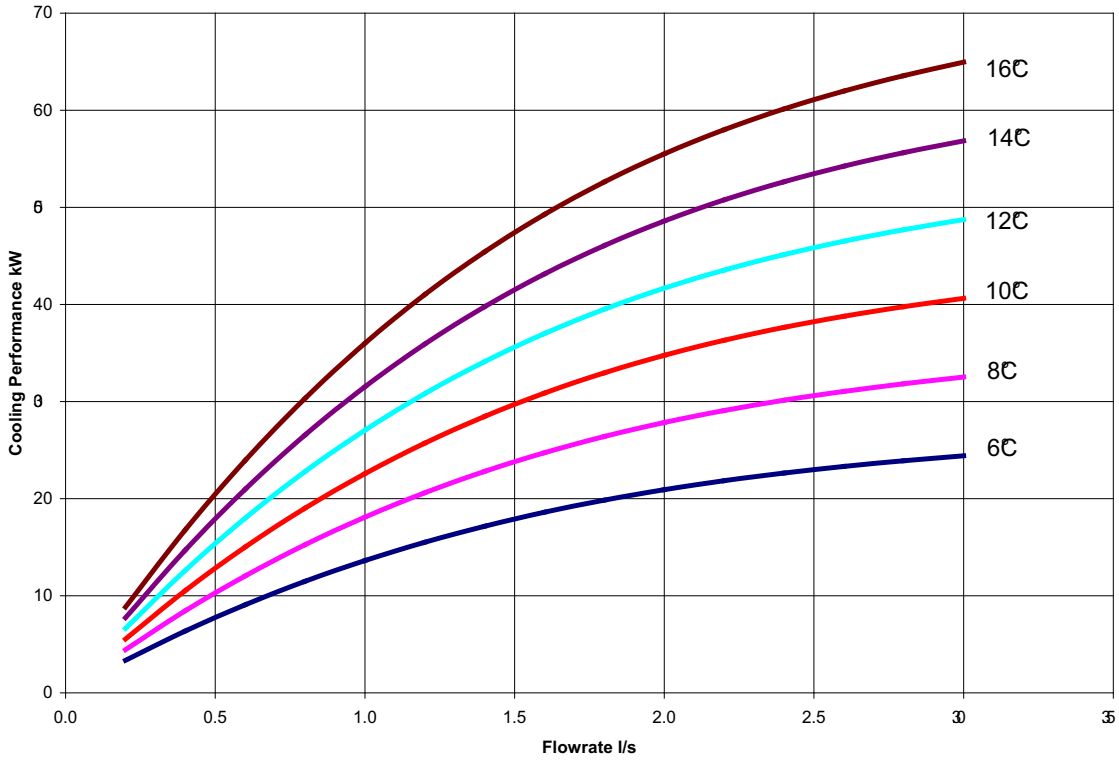
EC Fans Regular Quiet



EC Fans Extra Quiet



EC Fans High Airflow



DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
1	DCF046DR-07DXY0	6	474.8	135.7	447.1	149.8	416.9	166.0	384.5	184.2
		7	488.3	136.8	459.7	151.0	428.7	167.2	395.5	185.4
		8	501.9	137.9	472.6	152.2	440.7	168.5	406.6	186.7
		10	529.6	140.3	498.6	154.7	465.0	171.0	429.3	189.3
		12	557.8	142.7	525.2	157.2	490.0	173.7	452.7	192.0
		14	586.4	145.2	552.2	159.9	515.5	176.5	476.6	194.8
2	DCF048DR-07DPY0	6	489.8	139.2	460.8	153.1	429.3	168.8	395.9	186.3
		7	503.5	140.4	473.7	154.3	441.4	170.1	407.0	187.6
		8	517.4	141.6	486.8	155.6	453.6	171.4	418.3	189.0
		10	545.7	144.2	513.3	158.3	478.4	174.2	441.4	191.8
		12	574.5	146.8	540.4	161.0	503.8	177.0	465.0	194.7
		14	603.8	149.5	568.1	163.9	529.7	180.0	489.3	197.7
3	DCF051DR-08DPV0	6	519.6	144.9	489.8	159.2	457.3	175.6	422.5	194.2
		7	534.2	146.0	503.6	160.4	470.2	176.9	434.5	195.5
		8	549.1	147.1	517.6	161.6	483.3	178.2	446.7	196.8
		10	579.3	149.5	546.1	164.1	510.0	180.8	471.5	199.5
		12	610.0	151.9	575.1	166.8	537.3	183.6	497.1	202.3
		14	641.2	154.5	604.7	169.5	565.1	186.5	523.2	205.3
4	DCF053DR-08DYY0	6	530.8	150.9	500.6	166.3	467.8	183.9	432.8	203.6
		7	546.0	152.1	515.0	167.6	481.2	185.2	445.2	204.9
		8	561.4	153.3	529.4	168.9	494.8	186.6	457.9	206.3
		10	592.6	155.9	558.9	171.5	522.5	189.4	483.7	209.2
		12	624.5	158.5	589.1	174.3	550.8	192.3	510.2	212.1
		14	656.9	161.3	619.8	177.3	579.7	195.3	537.3	215.2
5	DCF049DR-09DXY0	6	494.3	129.6	467.8	142.6	438.6	157.7	407.0	174.8
		7	508.8	130.4	481.5	143.5	451.5	158.6	419.1	175.8
		8	523.5	131.3	495.5	144.4	464.6	159.5	431.3	176.7
		10	553.4	133.0	523.8	146.3	491.4	161.5	456.4	178.7
		12	584.0	134.9	552.9	148.2	518.8	163.6	482.2	180.8
		14	615.1	136.8	582.5	150.3	546.8	165.7	508.6	183.0
6	DCF051DR-09DPY0	6	511.0	133.0	483.2	145.8	452.7	160.5	419.9	177.1
		7	525.9	133.9	497.3	146.7	465.9	161.5	432.2	178.2
		8	540.9	134.8	511.5	147.7	479.3	162.5	444.7	179.2
		10	571.6	136.8	540.6	149.8	506.7	164.7	470.3	181.4
		12	603.0	138.8	570.4	151.9	534.8	166.9	496.7	183.7
		14	635.0	140.9	600.9	154.1	563.5	169.3	523.7	186.1
7	DCF053DR-10DPV0	6	538.7	139.6	510.0	152.9	478.4	168.4	444.3	186.1
		7	554.3	140.4	524.8	153.9	492.4	169.4	457.4	187.1
		8	570.2	141.3	539.9	154.8	506.6	170.4	470.6	188.2
		10	602.4	143.2	570.6	156.8	535.6	172.5	497.8	190.3
		12	635.5	145.0	602.1	158.9	565.3	174.7	525.7	192.6
		14	669.2	147.0	634.2	161.0	595.7	177.0	554.4	194.9

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
8	DCF055DR-09DYV0	6	560.2	156.6	529.2	172.4	495.4	190.8	459.1	211.5
		7	576.3	157.7	544.4	173.7	509.7	192.0	472.3	212.8
		8	592.6	158.8	559.8	174.9	524.1	193.3	485.8	214.1
		10	625.7	161.2	591.2	177.4	553.6	196.0	513.4	216.9
		12	659.5	163.7	623.3	180.1	583.8	198.8	541.8	219.8
		14	693.9	166.3	655.9	182.9	614.7	201.7	570.9	222.8
9	DCF055DR-10DYY0	6	549.5	145.2	520.3	159.5	488.4	176.1	454.1	194.9
		7	565.6	146.2	535.7	160.5	502.9	177.2	467.6	196.0
		8	582.0	147.1	551.2	161.5	517.5	178.2	481.3	197.1
		10	615.3	149.1	582.9	163.6	547.4	180.4	509.3	199.3
		12	649.4	151.2	615.4	165.9	578.1	182.7	538.2	201.7
		14	684.2	153.4	648.5	168.2	609.5	185.1	567.9	204.1
10	DCF058DR-10DVV0	6	589.6	162.2	557.8	178.6	522.9	197.6	485.3	219.3
		7	606.6	163.2	573.9	179.7	538.1	198.9	499.5	220.6
		8	623.8	164.3	590.2	180.9	553.5	200.1	513.8	221.9
		10	658.8	166.5	623.5	183.3	584.8	202.7	543.2	224.6
		12	694.5	168.9	657.5	185.8	616.9	205.4	573.4	227.4
		14	730.8	171.3	692.1	188.5	649.7	208.2	604.4	230.4
11	DCF062DR-10FVW0	6	633.8	174.1	598.0	191.2	558.9	210.8	516.9	233.0
		7	651.9	175.4	615.0	192.6	574.8	212.3	531.7	234.5
		8	670.1	176.7	632.2	194.0	590.9	213.8	546.7	236.1
		10	707.2	179.5	667.3	197.0	623.8	216.9	577.3	239.3
		12	745.0	182.3	703.0	200.0	657.4	220.2	608.7	242.6
		14	782.2	185.6	739.5	203.2	691.7	223.5	641.0	246.1
12	DCF065DR-10FWW0	6	663.3	185.0	625.1	202.8	583.3	223.1	538.4	245.8
		7	681.8	186.5	642.5	204.4	599.5	224.8	553.5	247.5
		8	700.5	188.1	660.2	206.1	616.0	226.5	568.7	249.2
		10	738.6	191.3	696.0	209.5	649.5	230.0	599.9	252.8
		12	777.4	194.6	732.6	213.0	683.8	233.7	631.8	256.6
		14	814.3	198.6	769.8	216.7	718.7	237.6	664.6	260.5
13	DCF069TR-10GPPY	6	698.3	201.7	657.1	221.6	612.3	244.3	564.6	269.6
		7	717.8	203.4	675.4	223.4	629.4	246.2	580.3	271.5
		8	737.5	205.2	693.9	225.3	646.6	248.1	596.3	273.5
		10	777.6	208.8	731.6	229.2	681.8	252.1	628.9	277.5
		12	818.4	212.6	770.0	233.2	717.7	256.3	662.4	281.8
		14	859.8	216.5	809.0	237.4	754.4	260.7	696.7	286.2
14	DCF051DR-11DXY0	6	506.5	127.2	480.7	139.5	452.2	153.9	421.2	170.4
		7	521.6	127.9	495.1	140.3	465.8	154.7	434.0	171.1
		8	537.0	128.6	509.8	141.0	479.7	155.4	447.0	171.9
		10	568.2	130.0	539.6	142.5	507.9	157.0	473.5	173.5
		12	600.2	131.5	570.2	144.1	536.9	158.7	500.9	175.2
		14	632.9	133.0	601.5	145.7	566.7	160.4	529.0	177.0

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output kW	Input kW	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW
15	DCF053DR-11DPY0	6	524.2	130.5	497.2	142.6	467.4	156.7	435.1	172.7
		7	539.8	131.3	512.0	143.4	481.4	157.5	448.2	173.6
		8	555.6	132.0	527.1	144.2	495.6	158.4	461.5	174.5
		10	587.8	133.6	557.7	145.9	524.6	160.1	488.7	176.3
		12	620.7	135.3	589.2	147.7	554.4	162.0	516.8	178.2
		14	654.4	137.0	621.4	149.5	585.0	163.9	545.7	180.2
16	DCF055DR-12DPV0	6	550.8	137.5	522.9	150.3	492.0	165.1	458.4	182.2
		7	567.1	138.2	538.4	151.1	506.7	166.0	472.2	183.0
		8	583.6	139.0	554.2	151.8	521.6	166.8	486.2	183.9
		10	617.3	140.5	586.4	153.5	552.1	168.5	514.9	185.7
		12	651.7	142.0	619.3	155.1	583.4	170.3	544.4	187.6
		14	686.9	143.6	653.0	156.9	615.5	172.2	574.7	189.5
17	DCF057DR-12DYY0	6	561.8	142.8	533.4	156.4	502.1	172.3	468.2	190.4
		7	578.6	143.6	549.4	157.2	517.2	173.1	482.5	191.3
		8	595.6	144.4	565.6	158.0	532.6	174.0	496.9	192.2
		10	630.3	146.1	598.8	159.8	564.1	175.8	526.5	194.0
		12	665.8	147.8	632.8	161.6	596.4	177.7	557.0	196.0
		14	702.1	149.7	667.5	163.6	629.5	179.7	588.3	198.0
18	DCF058DR-11DYV0	6	576.7	151.8	546.7	166.7	513.8	184.1	478.1	203.9
		7	593.7	152.7	562.9	167.7	529.0	185.1	492.4	204.9
		8	610.8	153.6	579.2	168.7	544.4	186.1	506.8	206.0
		10	645.8	155.5	612.5	170.7	575.9	188.3	535.8	208.4
		12	681.5	157.5	646.6	172.8	608.2	190.5	566.9	210.5
		14	717.9	159.6	681.4	175.0	641.3	192.8	598.2	212.9
19	DCF060DR-12DVV0	6	604.0	158.4	573.1	173.9	539.1	192.0	502.2	212.8
		7	621.7	159.2	590.0	174.8	555.1	193.0	517.2	213.9
		8	639.7	160.1	607.2	175.8	571.3	194.0	532.4	214.9
		10	676.2	161.9	642.1	177.7	604.4	196.1	562.2	217.5
		12	713.6	163.8	677.8	179.7	638.3	198.3	595.6	219.4
		14	751.7	165.8	714.3	181.9	673.1	200.5	628.5	221.8
20	DCF065DR-12FVW0	6	651.3	169.4	616.6	185.6	578.4	204.3	537.1	225.6
		7	670.2	170.4	634.5	186.7	595.3	205.5	552.6	226.9
		8	689.4	171.5	652.7	187.9	612.4	206.8	568.8	228.2
		10	728.4	173.8	689.8	190.3	647.4	209.3	601.6	230.8
		12	768.3	176.1	727.8	192.9	683.2	212.0	635.2	233.6
		14	809.0	178.6	766.5	195.5	719.9	214.8	669.8	236.5
21	DCF068DR-12FWW0	6	682.7	179.6	645.7	196.4	605.0	215.8	560.9	237.6
		7	702.2	180.8	664.3	197.8	622.4	217.2	577.0	239.1
		8	722.0	182.1	683.0	199.2	640.0	218.7	593.4	240.6
		10	762.2	184.7	721.2	202.0	675.8	221.7	626.9	243.7
		12	803.3	187.5	760.2	205.0	712.6	224.8	661.3	246.9
		14	845.1	190.2	799.9	208.0	750.1	228.0	696.6	250.2

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
22	DCF074TR-11GPYY	6	754.1	214.6	710.1	236.1	662.3	260.6	611.3	288.0
		7	775.5	216.4	730.1	238.0	681.0	262.6	628.6	290.0
		8	797.0	218.2	750.4	239.9	699.9	264.6	646.2	292.0
		10	840.9	222.0	791.7	243.9	738.5	268.7	682.2	296.2
		12	885.6	225.9	833.8	248.1	778.0	273.0	719.1	300.6
		14	931.0	230.0	876.7	252.4	818.4	277.5	756.9	305.2
23	DCF079TR-12GYYY	6	799.9	226.7	754.2	249.7	704.6	276.1	651.6	305.7
		7	822.7	228.5	775.7	251.6	724.7	278.1	670.3	307.7
		8	845.8	230.3	797.5	253.6	745.1	280.2	689.2	309.8
		10	892.7	234.1	841.8	257.6	786.6	284.3	728.0	314.0
		12	940.5	238.1	887.0	261.8	829.2	288.7	767.9	318.5
		14	989.2	242.3	933.1	266.2	872.6	293.3	808.7	323.2
24	DCF059DR-13DYV0	6	588.0	149.8	558.7	164.0	526.3	180.7	491.2	199.8
		7	605.5	150.6	575.4	164.8	542.2	181.5	506.1	200.7
		8	623.3	151.3	592.4	165.6	558.3	182.4	521.3	201.6
		10	659.4	152.9	627.0	167.3	591.2	184.2	552.3	203.4
		12	696.4	154.6	662.5	169.1	625.0	186.0	584.2	205.4
		14	734.2	156.3	698.8	171.0	659.6	188.0	617.0	207.4
25	DCF062DR-14DVV0	6	614.2	156.8	584.0	171.7	550.6	189.1	514.2	209.3
		7	632.4	157.5	601.5	172.5	567.2	190.0	529.8	210.1
		8	650.9	158.2	619.2	173.2	584.0	190.8	545.6	211.0
		10	688.6	159.8	655.3	174.9	618.3	192.5	578.1	212.9
		12	727.1	161.3	692.3	176.6	653.6	194.4	611.4	214.8
		14	766.3	163.0	730.0	178.3	689.7	196.2	645.7	216.8
26	DCF066DR-14FVW0	6	663.7	167.1	629.7	182.7	592.2	200.7	551.4	221.4
		7	683.2	168.1	648.4	183.7	609.8	201.8	567.9	222.5
		8	703.0	169.0	667.3	184.7	627.7	202.9	584.7	223.6
		10	743.4	170.9	705.8	186.7	664.2	205.1	619.0	225.9
		12	784.7	172.9	745.3	188.9	701.6	207.4	654.3	228.3
		14	826.9	174.9	785.7	191.1	740.0	209.7	690.5	230.8
27	DCF070DR-14FWW0	6	696.4	176.8	660.4	193.0	620.4	211.7	576.9	232.9
		7	716.6	177.9	679.7	194.2	638.6	212.9	593.9	234.2
		8	737.1	179.0	699.2	195.4	657.0	214.2	611.1	235.5
		10	778.8	181.2	739.0	197.8	694.6	216.8	646.3	238.2
		12	821.5	183.5	779.7	200.3	733.1	219.5	682.5	241.0
		14	864.9	185.9	821.2	202.9	772.6	222.3	719.7	243.9
28	DCF073TR-13GPPY	6	729.5	192.3	690.2	210.7	646.9	231.8	600.3	255.8
		7	750.7	193.6	710.2	212.1	665.8	233.3	617.8	257.3
		8	772.1	194.9	730.5	213.5	684.8	234.8	635.6	258.8
		10	815.7	197.7	771.9	216.5	723.8	237.9	672.0	262.0
		12	860.2	200.6	814.2	219.5	763.7	241.2	709.4	265.3
		14	905.6	203.5	857.4	222.7	804.5	244.5	747.7	268.8

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
29	DCF078TR-14GPYY	6	784.6	205.5	742.2	225.5	695.8	248.5	645.9	274.5
		7	807.5	206.9	764.0	226.9	716.3	250.0	664.9	276.1
		8	830.7	208.3	786.0	228.4	737.0	251.6	684.3	277.7
		10	878.0	211.2	830.9	231.5	779.3	254.8	723.9	281.0
		12	926.4	214.3	876.8	234.7	822.6	258.2	764.6	284.5
		14	975.7	217.5	923.7	238.1	867.0	261.7	806.4	288.1
30	DCF082TR-13HYYV	6	829.1	232.3	783.6	255.9	733.8	283.2	680.2	313.8
		7	852.5	234.0	805.8	257.8	754.7	285.1	699.7	315.8
		8	876.2	235.7	828.3	259.6	775.8	287.0	719.4	317.8
		10	924.3	239.3	873.9	263.5	818.8	291.1	759.8	322.0
		12	973.2	243.1	920.4	267.5	862.8	295.3	801.2	326.4
		14	1021.6	247.3	967.7	271.7	907.7	299.7	843.7	330.9
31	DCF085TR-14HYVV	6	857.9	237.8	811.8	262.0	761.1	290.0	706.3	321.6
		7	882.2	239.5	834.9	263.8	782.8	291.8	726.6	323.6
		8	906.7	241.1	858.2	265.6	804.8	293.8	747.2	325.6
		10	956.5	244.6	905.6	269.3	849.5	297.7	789.3	329.7
		12	1007.1	248.1	953.8	273.2	895.3	301.8	832.4	333.9
		14	1057.7	252.0	1002.9	277.2	942.0	306.1	876.7	338.4
32	DCF075TR-16GPPY	6	748.6	188.8	710.1	206.2	668.3	226.4	622.4	249.4
		7	770.7	189.8	731.6	207.3	688.2	227.6	641.0	250.6
		8	793.1	190.9	753.0	208.5	708.4	228.8	660.0	251.9
		10	838.8	193.1	796.6	210.9	749.8	231.3	698.8	254.5
		12	885.6	195.4	841.3	213.4	792.2	234.0	738.7	257.3
		14	933.3	197.8	887.0	215.9	835.6	236.7	779.8	260.1
33	DCF082TR-15GYYY	6	828.2	218.1	784.1	239.5	735.8	264.4	683.8	292.6
		7	852.5	219.5	807.2	241.0	757.5	266.0	704.1	294.2
		8	877.1	220.9	830.5	242.5	779.6	267.6	724.8	295.8
		10	927.1	223.9	878.1	245.7	824.5	270.9	766.9	299.2
		12	978.3	227.1	926.9	249.0	870.6	274.3	810.3	302.8
		14	1030.4	230.4	976.6	252.5	917.8	278.0	854.9	306.5
34	DCF085TR-16HYYV	6	854.5	224.6	810.8	246.7	762.4	272.4	710.0	301.7
		7	879.2	225.9	834.3	248.2	784.7	273.9	730.9	303.3
		8	904.2	227.3	858.2	249.6	807.3	275.5	752.1	304.9
		10	954.9	230.2	906.7	252.7	853.3	278.7	795.5	308.2
		12	1006.6	233.1	956.3	255.9	900.5	282.1	840.1	311.7
		14	1059.0	236.2	1006.6	259.2	948.6	285.6	885.8	315.3
35	DCF090TR-15HVVV	6	903.7	244.5	855.0	269.2	801.4	297.8	743.6	330.4
		7	929.5	246.1	879.5	270.9	824.5	299.7	765.2	332.4
		8	955.7	247.7	904.3	272.7	847.8	301.6	787.1	334.4
		10	1008.8	251.1	954.8	276.4	895.5	305.6	831.8	338.5
		12	1062.9	254.7	1006.3	280.3	944.3	309.7	877.7	342.8
		14	1118.0	258.4	1058.8	284.3	994.1	313.9	924.9	347.3

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
36	DCF092TR-15HVVW	6	932.1	255.3	881.2	280.7	825.1	310.0	764.7	343.2
		7	958.4	257.1	906.1	282.7	848.5	312.1	786.5	345.3
		8	985.0	259.0	931.3	284.7	872.2	314.2	808.6	347.5
		10	1038.9	262.8	982.5	288.8	920.5	318.6	853.9	352.1
		12	1093.8	266.8	1034.7	293.1	969.8	323.2	900.3	356.8
		14	1149.5	270.9	1087.8	297.6	1020.2	327.9	947.9	361.7
37	DCF094TR-15HVWW	6	960.5	266.2	907.4	292.3	848.9	322.2	785.8	355.9
		7	987.3	268.2	932.7	294.4	872.6	324.5	807.8	358.2
		8	1014.3	270.2	958.3	296.7	896.6	326.8	830.2	360.6
		10	1069.1	274.5	1010.2	301.2	945.5	331.6	875.9	365.6
		12	1124.7	278.9	1063.1	306.0	995.4	336.6	922.8	370.7
		14	1181.1	283.4	1116.9	310.9	1046.4	341.8	970.9	376.1
38	DCF096TR-15HWWW	6	981.1	276.4	926.4	303.1	866.0	333.7	800.9	367.9
		7	1008.2	278.6	952.0	305.5	890.0	336.2	823.1	370.4
		8	1035.6	280.8	977.9	307.9	914.2	338.7	845.7	373.0
		10	1091.1	285.5	1030.4	312.9	963.5	343.9	891.7	378.3
		12	1147.4	290.2	1083.8	318.1	1013.9	349.4	938.9	383.9
		14	1204.3	295.1	1138.1	323.4	1065.3	355.0	987.3	389.7
39	DCF080TR-17GPYY	6	803.9	201.9	762.7	220.8	717.3	242.8	668.1	267.9
		7	827.9	203.0	785.5	222.0	738.8	244.0	688.3	269.2
		8	852.1	204.2	808.7	223.2	760.7	245.3	708.8	270.5
		10	901.5	206.6	855.9	225.7	805.4	248.0	750.8	273.2
		12	952.2	209.1	904.2	228.4	851.3	250.8	794.1	276.1
		14	1003.9	211.7	953.7	231.2	898.4	253.7	838.5	279.1
40	DCF085TR-18GYYY	6	846.9	214.4	803.9	234.8	756.6	258.6	705.3	285.8
		7	872.1	215.6	828.0	236.0	779.3	259.9	726.7	287.1
		8	897.7	216.8	852.4	237.3	802.5	261.2	748.5	288.4
		10	949.8	219.3	902.2	239.9	849.7	263.9	793.0	291.3
		12	1003.1	222.0	953.3	242.7	898.3	266.8	838.8	294.2
		14	1057.5	224.7	1005.5	245.6	948.0	269.8	885.9	297.3
41	DCF088TR-17HYVV	6	881.1	231.1	836.7	253.9	787.4	280.3	733.8	310.6
		7	906.5	232.4	861.0	255.3	810.4	281.8	755.4	312.2
		8	932.2	233.7	885.6	256.7	833.8	283.4	777.4	313.8
		10	984.4	236.5	935.6	259.7	881.3	286.5	822.2	317.1
		12	1037.4	239.4	986.6	262.7	929.9	289.8	868.3	320.5
		14	1091.2	242.3	1038.4	265.9	979.5	293.2	915.5	324.1
42	DCF093TR-18HVVV	6	926.1	238.5	878.9	261.9	826.7	289.1	770.0	320.4
		7	953.1	239.8	904.6	263.3	851.0	290.6	792.8	322.0
		8	980.3	241.2	930.7	264.7	875.7	292.2	816.0	323.6
		10	1035.9	243.9	983.7	267.7	926.0	295.4	863.4	327.0
		12	1092.5	246.8	1038.0	270.8	977.6	298.7	912.2	330.4
		14	1150.2	249.8	1093.3	274.1	1030.3	302.2	962.3	334.1

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output kW	Input kW	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW
43	DCF095TR-18HVVW	6	956.3	248.6	907.1	272.7	852.5	300.6	793.2	332.4
		7	983.8	250.1	933.3	274.3	877.3	302.3	816.4	334.2
		8	1011.6	251.6	959.8	275.9	902.4	304.0	840.0	336.0
		10	1068.1	254.8	1013.8	279.3	953.5	307.6	888.1	339.7
		12	1125.7	258.0	1068.9	282.8	1005.9	311.3	937.6	343.6
		14	1184.1	261.3	1125.0	286.4	1059.4	315.2	988.3	347.7
44	DCF098TR-18HVWW	6	986.5	258.8	935.3	283.5	878.4	312.0	816.5	344.4
		7	1014.5	260.4	962.0	285.3	903.6	313.9	840.0	346.3
		8	1042.9	262.1	989.0	287.1	929.1	315.8	863.9	348.3
		10	1100.4	265.6	1043.9	290.9	981.1	319.8	912.8	352.5
		12	1158.9	269.1	1099.9	294.8	1034.2	324.0	962.9	356.8
		14	1218.1	272.8	1156.8	298.8	1088.4	328.3	1014.3	361.3
45	DCF100TR-18HWWW	6	1008.3	268.3	955.7	293.7	897.1	322.8	833.3	355.7
		7	1036.8	270.2	982.8	295.7	922.6	324.9	857.1	357.9
		8	1065.6	272.0	1010.2	297.7	948.5	327.1	881.2	360.1
		10	1123.9	275.8	1065.9	301.8	1001.1	331.4	930.6	364.6
		12	1183.2	279.7	1122.6	306.1	1054.8	336.0	981.2	369.3
		14	1243.1	283.7	1180.1	310.5	1109.7	340.7	1033.1	374.2
46	DCF088TR-19HYYV	6	871.5	221.3	829.0	242.4	781.7	267.0	730.1	295.3
		7	897.0	222.4	853.5	243.6	805.0	268.3	752.0	296.6
		8	922.8	223.6	878.3	244.8	828.6	269.6	774.3	298.0
		10	975.3	226.0	928.7	247.3	876.6	272.3	819.8	300.7
		12	1028.8	228.5	980.3	250.0	925.9	275.0	866.5	303.6
		14	1083.1	231.1	1032.7	252.7	976.2	277.9	914.5	306.7
47	DCF090TR-20HYVV	6	897.0	228.3	853.8	250.0	805.6	275.5	752.8	304.7
		7	923.1	229.4	878.9	251.2	829.5	276.7	775.4	306.0
		8	949.6	230.5	904.4	252.4	853.8	278.0	798.3	307.4
		10	1003.4	232.8	956.2	254.8	903.2	280.6	845.1	310.1
		12	1058.1	235.2	1009.0	257.4	953.8	283.3	893.2	313.0
		14	1113.4	237.6	1062.6	260.1	1005.4	286.2	942.5	316.0
48	DCF095TR-21HVVV	6	942.0	236.0	895.9	258.4	844.6	284.6	788.7	314.9
		7	969.7	237.1	922.4	259.6	869.9	285.9	812.5	316.2
		8	997.7	238.2	949.3	260.8	895.5	287.2	836.6	317.6
		10	1054.9	240.5	1004.2	263.3	947.7	289.8	886.0	320.4
		12	1113.3	242.9	1060.4	265.9	1001.3	292.6	936.9	323.3
		14	1172.8	245.5	1117.7	268.6	1056.1	295.5	989.0	326.4
49	DCF098TR-21HVVW	6	973.3	245.6	925.4	268.6	872.0	295.5	813.1	326.4
		7	1001.6	246.8	952.5	270.0	897.7	297.0	837.7	327.9
		8	1030.3	248.1	980.0	271.4	923.8	298.4	862.3	329.4
		10	1088.6	250.7	1035.9	274.2	977.0	301.5	912.6	332.6
		12	1148.0	253.5	1093.1	277.2	1031.5	304.6	964.2	335.9
		14	1208.2	256.2	1151.2	280.2	1087.2	307.9	1017.2	339.4

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
50	DCF101TR-21HVWW	6	1004.7	255.2	955.0	278.9	899.3	306.4	837.4	337.9
		7	1033.6	256.6	982.7	280.4	925.6	308.0	863.0	339.5
		8	1062.8	258.0	1010.7	282.0	952.1	309.7	888.0	341.2
		10	1122.2	261.0	1067.6	285.2	1006.3	313.1	939.1	344.8
		12	1182.6	264.0	1125.7	288.5	1061.7	316.7	991.6	348.5
		14	1243.7	267.0	1184.8	291.9	1118.3	320.3	1045.4	352.4
51	DCF103TR-21HWWW	6	1027.4	264.3	976.4	288.7	919.2	316.8	856.4	348.7
		7	1056.8	265.9	1004.6	290.4	945.8	318.6	881.3	350.6
		8	1086.5	267.5	1033.0	292.1	972.8	320.4	906.6	352.5
		10	1146.8	270.7	1090.8	295.6	1027.7	324.2	958.3	356.4
		12	1208.1	274.0	1149.7	299.3	1083.8	328.1	1011.5	360.5
		14	1269.9	277.3	1209.5	303.0	1141.1	332.2	1065.9	364.8
52	DCF047DX-09DXY0	6	480.6	131.4	452.7	145.4	422.7	161.3	390.3	179.3
		7	494.3	132.4	465.7	146.5	434.8	162.4	401.5	180.5
		8	508.2	133.5	478.8	147.6	447.0	163.6	412.9	181.7
		10	536.4	135.7	505.4	149.9	472.0	166.0	436.2	184.2
		12	565.2	138.0	532.6	152.3	497.5	168.6	460.0	186.8
		14	594.4	140.4	560.3	154.9	523.6	171.2	484.5	189.5
53	DCF049DX-09DPY0	6	496.0	134.9	467.0	148.6	435.6	164.1	402.1	181.6
		7	510.1	136.0	480.2	149.8	448.0	165.4	413.5	182.8
		8	524.3	137.1	493.6	151.0	460.5	166.6	425.1	184.1
		10	553.2	139.5	520.8	153.5	485.9	169.3	448.7	186.8
		12	582.6	142.0	548.6	156.1	512.0	172.0	472.9	189.6
		14	612.6	144.6	576.9	158.9	538.5	174.8	497.8	192.6
54	DCF051DX-10DPV0	6	524.0	140.8	494.0	155.2	461.5	171.6	426.7	190.1
		7	538.9	141.9	508.0	156.4	474.7	172.8	438.8	191.3
		8	553.9	143.0	522.2	157.5	488.0	174.0	451.2	192.6
		10	584.5	145.3	551.1	160.0	515.0	176.6	476.4	195.3
		12	615.7	147.7	580.6	162.5	542.7	179.3	502.2	198.1
		14	647.4	150.1	610.7	165.2	571.0	182.1	528.7	201.0
55	DCF053DX-10DYY0	6	534.3	147.1	503.8	162.5	471.0	180.1	435.9	199.7
		7	549.6	148.3	518.3	163.8	484.6	181.3	448.4	201.0
		8	565.1	149.5	532.9	165.0	498.3	182.7	461.2	202.4
		10	596.6	152.0	562.7	167.6	526.2	185.4	487.2	205.2
		12	628.8	154.6	593.2	170.4	554.8	188.2	513.9	208.1
		14	661.5	157.3	624.2	173.2	584.1	191.2	541.3	211.2
56	DCF049DX-11DXY0	6	495.7	126.3	468.7	139.5	439.3	154.6	407.8	171.8
		7	510.2	127.1	482.4	140.4	452.3	155.5	419.8	172.7
		8	524.9	128.0	496.4	141.3	465.4	156.5	432.1	173.7
		10	554.9	129.8	524.8	143.2	492.3	158.4	457.2	175.7
		12	585.4	131.6	553.9	145.1	519.7	160.5	483.0	177.8
		14	616.6	133.5	583.6	147.2	547.8	162.6	509.5	180.0

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
57	DCF051DX-11DPY0	6	512.5	129.7	484.2	142.7	453.6	157.5	420.7	174.1
		7	527.4	130.7	498.3	143.7	466.8	158.5	433.1	175.2
		8	542.5	131.6	512.6	144.7	480.3	159.5	445.6	176.2
		10	573.2	133.5	541.8	146.7	507.7	161.6	471.2	178.4
		12	604.6	135.5	571.6	148.8	535.9	163.9	497.6	180.7
		14	636.7	137.6	602.1	151.1	564.7	166.2	524.6	183.2
58	DCF053DX-12DPV0	6	539.1	136.2	509.9	149.9	478.1	165.5	443.9	183.2
		7	554.8	137.1	524.7	150.8	492.1	166.5	457.0	184.3
		8	570.6	138.0	539.8	151.8	506.3	167.5	470.2	185.3
		10	602.9	139.9	570.5	153.8	535.2	169.6	497.3	187.6
		12	635.8	141.8	601.8	155.9	564.9	171.8	525.1	189.9
		14	669.4	143.8	633.9	158.0	595.2	174.1	553.6	192.3
59	DCF055DX-11DYV0	6	561.9	153.1	530.5	169.1	496.6	187.5	460.1	208.2
		7	578.0	154.2	545.7	170.3	510.9	188.8	473.4	209.6
		8	594.3	155.4	561.2	171.6	525.4	190.0	486.9	210.9
		10	627.5	157.7	592.7	174.1	555.0	192.7	514.5	213.7
		12	661.4	160.2	624.8	176.7	585.2	195.5	542.9	216.6
		14	695.8	162.8	657.5	179.5	616.2	198.4	571.9	219.7
60	DCF055DX-12DYY0	6	549.6	142.0	519.8	156.6	487.7	173.3	453.3	192.1
		7	565.7	143.0	535.1	157.6	502.1	174.3	466.7	193.2
		8	582.0	143.9	550.6	158.6	516.8	175.4	480.4	194.3
		10	615.2	146.0	582.2	160.8	546.6	177.6	508.3	196.6
		12	649.2	148.1	614.6	163.0	577.1	180.0	537.0	199.1
		14	683.8	150.4	647.6	165.4	608.4	182.4	566.4	201.6
61	DCF058DX-12DVV0	6	589.5	159.0	557.1	175.7	522.1	194.9	484.3	216.8
		7	606.4	160.1	573.2	176.9	537.2	196.2	498.4	218.1
		8	623.6	161.2	589.5	178.1	552.5	197.4	512.6	219.4
		10	658.4	163.5	622.6	180.6	583.7	200.1	541.8	222.2
		12	694.0	165.9	656.4	183.1	615.6	202.8	571.8	225.1
		14	730.2	168.4	690.9	185.8	648.3	205.7	602.5	228.1
62	DCF062DX-12FVW0	6	633.5	171.0	597.2	188.4	557.8	208.2	515.6	230.5
		7	651.5	172.3	614.1	189.8	573.7	209.7	530.2	232.1
		8	669.6	173.7	631.2	191.3	589.7	211.2	545.1	233.7
		10	706.5	176.5	666.1	194.3	622.3	214.4	575.4	237.0
		12	744.1	179.5	701.7	197.4	655.7	217.7	606.6	240.4
		14	782.4	182.5	737.9	200.7	689.9	221.1	638.6	244.0
63	DCF065DX-12FWW0	6	662.8	182.0	624.0	200.1	582.0	220.5	536.9	243.4
		7	681.3	183.6	641.4	201.7	598.2	222.2	551.8	245.1
		8	699.9	185.2	659.0	203.4	614.6	224.0	566.9	246.9
		10	737.8	188.4	694.6	206.9	647.9	227.6	597.7	250.6
		12	776.3	191.8	731.0	210.5	681.9	231.4	629.3	254.5
		14	815.5	195.3	768.0	214.2	716.6	235.3	661.7	258.5

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
64	DCF050DX-13DXY0	6	506.0	123.7	479.5	136.4	450.8	150.9	419.7	167.4
		7	521.1	124.4	493.9	137.1	464.3	151.7	432.4	168.2
		8	536.3	125.1	508.4	137.9	478.1	152.5	445.3	169.0
		10	567.4	126.6	538.1	139.4	506.2	154.1	471.7	170.7
		12	599.3	128.1	568.5	141.1	535.0	155.8	498.9	172.5
		14	631.7	129.7	599.6	142.8	564.5	157.6	526.8	174.4
65	DCF053DX-13DPY0	6	523.7	127.1	495.9	139.5	465.9	153.7	433.5	169.8
		7	539.2	127.8	510.7	140.3	479.8	154.6	446.5	170.7
		8	554.9	128.6	525.6	141.2	493.9	155.4	459.7	171.6
		10	586.9	130.3	556.1	142.9	522.8	157.3	486.8	173.5
		12	619.6	132.0	587.4	144.7	552.4	159.1	514.6	175.4
		14	653.1	133.7	619.4	146.6	582.7	161.1	543.2	177.5
66	DCF055DX-14DPV0	6	549.6	133.8	520.9	147.0	489.7	162.0	456.0	179.2
		7	565.8	134.6	536.4	147.8	504.3	162.9	469.7	180.1
		8	582.2	135.3	552.0	148.6	519.1	163.8	483.6	181.0
		10	615.6	136.9	583.9	150.3	549.3	165.6	511.9	182.9
		12	649.8	138.5	616.6	152.0	580.4	167.4	541.2	184.9
		14	684.7	140.2	650.1	153.9	612.1	169.4	571.2	186.9
67	DCF057DX-13DYV0	6	575.9	148.5	545.2	163.8	511.9	181.3	476.2	201.2
		7	592.7	149.4	561.2	164.8	527.1	182.4	490.3	202.3
		8	609.8	150.4	577.4	165.8	542.4	183.4	504.6	203.5
		10	644.5	152.4	610.5	167.9	573.7	185.6	534.0	205.8
		12	680.0	154.4	644.4	170.1	605.7	187.9	564.1	208.2
		14	716.1	156.6	678.9	172.4	638.5	190.4	595.1	210.7
68	DCF057DX-14DYY0	6	560.4	139.2	531.2	153.2	499.6	169.3	465.7	187.5
		7	577.1	140.0	547.1	154.0	514.6	170.1	479.7	188.4
		8	593.9	140.8	563.2	154.9	529.9	171.1	494.0	189.4
		10	628.4	142.6	596.1	156.7	561.0	173.0	523.3	191.3
		12	663.6	144.5	629.7	158.7	593.0	174.9	553.5	193.4
		14	699.5	146.4	664.2	160.7	625.8	177.0	584.4	195.6
69	DCF060DX-14DVV0	6	602.2	155.0	570.5	171.0	536.2	189.4	499.1	210.3
		7	619.8	155.9	587.3	171.9	552.0	190.4	513.9	211.4
		8	637.6	156.8	604.2	172.9	568.0	191.4	528.9	212.6
		10	673.8	158.7	638.8	175.0	600.8	193.6	559.7	214.9
		12	710.8	160.7	674.2	177.1	634.3	195.9	591.3	217.3
		14	748.5	162.8	710.3	179.4	668.7	198.3	623.7	219.8
70	DCF064DX-14FVW0	6	648.9	166.2	613.3	182.8	574.8	201.8	533.2	223.3
		7	667.6	167.3	631.1	184.0	591.5	203.1	548.8	224.7
		8	686.6	168.5	649.1	185.3	608.4	204.4	564.5	226.0
		10	725.2	170.9	685.8	187.8	642.9	207.1	596.8	228.8
		12	764.7	173.3	723.3	190.5	678.3	209.9	629.9	231.8
		14	804.8	175.9	761.5	193.2	714.5	212.8	663.9	234.8

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
71	DCF068DX-14FWW0	6	679.9	176.6	642.1	193.9	600.9	213.5	556.6	235.5
		7	699.2	177.9	660.4	195.3	618.1	214.9	572.4	237.1
		8	718.8	179.2	678.9	196.7	635.4	216.5	588.6	238.6
		10	758.6	182.0	716.6	199.7	670.8	219.6	621.5	241.9
		12	799.1	184.9	755.1	202.8	707.0	222.8	655.3	245.2
		14	840.4	187.8	794.3	205.9	744.0	226.2	690.0	248.7
72	DCF069TX-13GPPY	6	708.6	194.9	667.4	214.6	622.9	236.9	575.1	262.0
		7	728.6	196.5	686.2	216.3	640.4	238.7	591.3	263.8
		8	748.8	198.1	705.3	218.1	658.2	240.6	607.8	265.7
		10	789.9	201.6	744.0	221.7	694.4	244.3	641.4	269.6
		12	831.7	205.1	783.5	225.5	731.4	248.3	675.8	273.6
		14	874.3	208.8	823.7	229.4	769.2	252.4	711.1	277.9
73	DCF075TX-14GPYY	6	762.1	208.3	717.8	229.8	670.1	254.1	619.1	281.3
		7	783.8	210.0	738.3	231.6	689.2	255.9	636.7	283.2
		8	805.7	211.8	758.9	233.4	708.6	257.9	654.7	285.2
		10	850.3	215.4	801.0	237.2	747.9	261.8	691.2	289.3
		12	895.7	219.2	843.9	241.2	788.2	266.0	728.8	293.6
		14	942.0	223.1	887.7	245.3	829.4	270.3	767.3	298.0
74	DCF059DX-15DYV0	6	586.0	145.9	555.8	160.6	523.1	177.6	487.9	196.9
		7	603.4	146.7	572.4	161.5	538.8	178.5	502.6	197.8
		8	620.9	147.5	589.2	162.4	554.7	179.4	517.5	198.8
		10	656.8	149.2	623.5	164.1	587.3	181.3	548.2	200.7
		12	693.4	151.0	658.6	166.0	620.6	183.2	579.7	202.8
		14	730.8	152.9	694.4	168.0	654.8	185.3	612.0	204.9
75	DCF061DX-16DVV0	6	611.6	152.7	580.5	168.1	546.6	185.9	510.1	206.3
		7	629.7	153.4	597.7	168.9	563.0	186.8	525.4	207.2
		8	647.9	154.2	615.2	169.8	579.6	187.7	541.0	208.2
		10	685.2	155.9	650.9	171.5	613.5	189.6	573.0	210.1
		12	723.3	157.6	687.4	173.4	648.3	191.5	605.9	212.2
		14	762.1	159.4	724.7	175.3	683.9	193.5	639.6	214.3
76	DCF066DX-16FVW0	6	660.3	163.3	625.4	179.4	587.4	197.8	546.4	218.7
		7	679.6	164.2	643.8	180.4	604.8	198.9	562.6	219.8
		8	699.2	165.3	662.4	181.5	622.4	200.0	579.1	221.0
		10	739.1	167.3	700.4	183.7	658.3	202.4	612.8	223.5
		12	779.8	169.5	739.4	186.0	695.2	204.8	647.4	226.0
		14	821.4	171.7	779.1	188.4	732.9	207.3	683.0	228.7
77	DCF069DX-16FWW0	6	692.5	173.2	655.5	189.9	615.1	208.9	571.3	230.4
		7	712.5	174.3	674.5	191.1	632.9	210.2	587.9	231.7
		8	732.8	175.5	693.7	192.4	651.0	211.6	604.8	233.1
		10	773.9	177.9	732.9	195.0	688.0	214.3	639.4	236.0
		12	816.0	180.4	773.0	197.7	725.9	217.2	674.9	238.9
		14	858.8	182.9	813.9	200.5	764.6	220.1	711.3	242.0

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
78	DCF073TX-16GPPY	6	732.3	187.4	692.3	206.0	649.0	227.2	602.3	251.1
		7	753.5	188.7	712.5	207.4	667.9	228.6	619.9	252.6
		8	775.0	190.0	732.9	208.8	687.1	230.1	637.7	254.1
		10	818.8	192.8	774.4	211.7	726.2	233.2	674.3	257.3
		12	863.4	195.6	816.9	214.8	766.3	236.4	711.8	260.6
		14	909.0	198.6	860.3	217.9	807.3	239.7	750.3	264.1
79	DCF079TX-15GYYY	6	805.2	220.9	759.0	244.1	709.4	270.4	656.3	299.8
		7	828.2	222.7	780.8	245.9	729.7	272.3	675.1	301.8
		8	851.4	224.5	802.8	247.8	750.4	274.3	694.3	303.9
		10	898.8	228.2	847.5	251.7	792.3	278.4	733.4	308.1
		12	947.0	232.1	893.2	255.9	835.3	282.6	773.6	312.5
		14	996.1	236.2	939.8	260.2	879.2	287.1	814.7	317.2
80	DCF082TX-16HYYV	6	832.5	226.9	786.5	250.7	736.6	277.9	682.8	308.6
		7	856.0	228.6	808.8	252.5	757.5	279.8	702.3	310.6
		8	879.8	230.3	831.4	254.4	778.8	281.8	722.2	312.6
		10	928.0	233.9	877.2	258.2	822.0	285.8	762.6	316.8
		12	977.1	237.6	924.0	262.2	866.2	290.0	804.2	321.2
		14	1026.8	241.5	971.5	266.3	911.3	294.4	846.7	325.8
81	DCF078TX-17GPYY	6	786.1	200.7	743.0	220.9	696.4	244.0	646.3	270.1
		7	809.0	202.1	764.7	222.4	716.8	245.5	665.4	271.7
		8	832.2	203.5	786.8	223.9	737.6	247.1	684.7	273.3
		10	879.5	206.4	831.7	227.0	779.9	250.4	724.2	276.7
		12	927.9	209.5	877.6	230.2	823.2	253.8	764.9	280.2
		14	977.1	212.7	924.5	233.6	867.6	257.3	806.6	283.8
82	DCF082TX-18GYYY	6	828.3	213.2	783.3	235.1	734.8	260.1	682.7	288.4
		7	852.5	214.7	806.3	236.6	756.4	261.7	702.9	290.1
		8	877.0	216.2	829.6	238.2	778.4	263.4	723.4	291.7
		10	926.9	219.2	877.1	241.4	823.2	266.7	765.3	295.2
		12	977.9	222.5	925.7	244.8	869.1	270.2	808.5	298.9
		14	1029.8	225.9	975.2	248.3	916.1	273.9	852.7	302.7
83	DCF085TX-17HYVV	6	859.5	232.8	812.8	257.3	761.8	285.3	706.8	317.1
		7	883.8	234.4	835.8	259.1	783.6	287.2	727.1	319.1
		8	908.3	236.1	859.2	260.9	805.6	289.1	747.6	321.1
		10	958.1	239.6	906.6	264.6	850.3	293.1	789.6	325.3
		12	1008.7	243.2	954.9	268.5	896.1	297.2	832.7	329.6
		14	1059.9	246.9	1003.9	272.5	942.7	301.5	876.8	334.1
84	DCF089TX-18HVVV	6	903.5	239.8	853.9	264.9	800.1	293.8	742.0	326.6
		7	929.2	241.4	878.3	266.7	823.0	295.7	763.4	328.6
		8	955.3	243.1	903.1	268.5	846.3	297.6	785.1	330.7
		10	1008.2	246.6	953.3	272.3	893.7	301.7	829.6	334.9
		12	1062.1	250.3	1004.7	276.2	942.3	305.8	875.2	339.4
		14	1116.9	254.1	1056.9	280.3	991.8	310.2	921.9	344.0

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
85	DCF092TX-18HVVW	6	931.8	250.7	880.0	276.5	823.6	306.0	762.8	339.4
		7	958.0	252.6	904.8	278.5	846.9	308.1	784.5	341.6
		8	984.4	254.5	929.9	280.6	870.5	310.3	806.5	343.9
		10	1038.1	258.4	980.9	284.8	918.5	314.8	851.3	348.6
		12	1092.8	262.5	1032.9	289.2	967.6	319.4	897.4	353.4
		14	1148.2	266.7	1085.7	293.7	1017.7	324.3	944.6	358.5
86	DCF094TX-18HVWW	6	960.0	261.6	906.1	288.1	847.2	318.3	783.7	352.2
		7	986.7	263.7	931.2	290.4	870.8	320.6	805.6	354.6
		8	1013.6	265.8	956.7	292.6	894.7	323.0	827.8	357.1
		10	1068.1	270.1	1008.4	297.3	943.3	327.9	873.1	362.2
		12	1123.5	274.6	1061.1	302.1	992.9	333.0	919.6	367.5
		14	1179.6	279.3	1114.5	307.1	1043.6	338.3	967.2	373.0
87	DCF096TX-18HWWW	6	980.5	271.9	924.9	299.1	864.2	329.8	798.6	364.3
		7	1007.5	274.1	950.4	301.5	888.1	332.4	820.7	366.9
		8	1034.7	276.5	976.2	304.0	912.2	334.9	843.0	369.6
		10	1090.0	281.2	1028.5	309.0	961.2	340.3	888.6	375.0
		12	1146.0	286.1	1081.6	314.3	1011.2	345.8	935.4	380.8
		14	1202.6	291.1	1135.6	319.7	1062.2	351.5	983.3	386.7
88	DCF074TX-19GPPY	6	748.3	183.6	709.2	201.5	666.7	221.9	620.7	245.0
		7	770.3	184.7	730.2	202.7	686.5	223.1	639.3	246.2
		8	792.6	185.8	751.5	203.8	706.6	224.4	658.1	247.5
		10	838.1	188.1	795.0	206.3	747.7	226.9	696.7	250.2
		12	884.7	190.5	839.5	208.8	789.9	229.6	736.3	253.1
		14	932.2	193.0	884.9	211.5	833.1	232.4	777.1	256.0
89	DCF079TX-20GPYY	6	802.7	196.6	760.4	216.0	714.6	238.3	665.3	263.5
		7	826.5	197.8	783.0	217.3	736.0	239.6	685.3	264.9
		8	850.6	199.0	806.0	218.5	757.7	240.9	705.6	266.2
		10	899.7	201.5	852.9	221.2	802.0	243.7	747.3	269.1
		12	950.0	204.1	900.9	223.9	847.6	246.5	790.1	272.1
		14	1001.4	206.8	950.1	226.8	894.2	249.5	834.1	275.2
90	DCF085TX-19HYYV	6	853.7	219.7	809.0	242.3	760.3	268.3	707.6	297.7
		7	878.3	221.1	832.4	243.8	782.5	269.8	728.4	299.3
		8	903.1	222.5	856.2	245.3	804.9	271.4	749.5	301.0
		10	953.6	225.4	904.5	248.4	850.7	274.7	792.5	304.5
		12	1005.0	228.5	953.7	251.7	897.5	278.2	836.7	308.1
		14	1057.2	231.7	1003.8	255.1	945.3	281.8	882.0	311.9
91	DCF088TX-20HYVV	6	879.4	226.1	833.9	249.5	784.2	276.3	730.3	306.8
		7	904.6	227.5	858.0	250.9	807.0	277.8	751.7	308.4
		8	930.1	228.9	882.4	252.4	830.2	279.4	773.4	310.1
		10	982.0	231.8	932.1	255.5	877.3	282.7	817.9	313.5
		12	1034.7	234.8	982.7	258.7	925.5	286.1	863.4	317.2
		14	1088.0	237.9	1034.1	262.0	974.6	289.7	910.1	320.9

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
92	DCF084TX-21GYYY	6	844.7	209.0	800.6	230.0	752.8	254.1	701.4	281.5
		7	869.8	210.2	824.5	231.2	775.4	255.4	722.6	282.9
		8	895.1	211.5	848.7	232.6	798.3	256.8	744.1	284.3
		10	946.8	214.1	898.1	235.3	845.1	259.7	788.1	287.2
		12	999.7	216.9	948.7	238.2	893.2	262.7	833.4	290.3
		14	1053.7	219.8	1000.4	241.2	942.4	265.8	879.9	293.6
93	DCF087TX-22HYYV	6	868.8	215.6	825.1	237.4	777.3	262.5	725.5	291.0
		7	894.2	216.8	849.4	238.7	800.3	263.8	747.2	292.4
		8	919.8	218.0	873.9	240.0	823.7	265.1	769.1	293.8
		10	971.8	220.6	923.9	242.6	871.3	267.9	814.1	296.7
		12	1024.9	223.2	975.0	245.4	920.0	270.9	860.3	299.8
		14	1078.7	226.0	1026.9	248.3	969.7	273.9	907.6	303.0
94	DCF092TX-21HVVV	6	923.2	233.5	874.8	257.6	822.1	285.2	765.1	316.7
		7	949.9	234.9	900.3	259.0	846.2	286.8	787.6	318.4
		8	977.0	236.3	926.1	260.6	870.6	288.4	810.5	320.1
		10	1032.0	239.2	978.6	263.7	920.4	291.7	857.4	323.7
		12	1088.1	242.3	1032.3	267.0	971.4	295.2	905.5	327.4
		14	1145.2	245.5	1087.1	270.4	1023.5	298.9	954.8	331.2
95	DCF095TX-21HVVW	6	953.1	243.8	902.6	268.5	847.5	296.8	787.8	328.9
		7	980.3	245.4	928.5	270.2	872.0	298.6	810.7	330.8
		8	1007.8	247.0	954.8	271.9	896.8	300.4	834.0	332.7
		10	1063.8	250.2	1008.2	275.4	947.4	304.2	881.4	336.6
		12	1120.8	253.7	1062.8	279.1	999.1	308.1	930.2	340.8
		14	1178.7	257.2	1118.2	282.9	1051.9	312.1	980.2	345.1
96	DCF097TX-21HVWW	6	982.9	254.1	930.4	279.4	872.9	308.4	810.6	341.1
		7	1010.6	255.8	956.8	281.3	897.8	310.3	833.8	343.1
		8	1038.7	257.6	983.6	283.3	923.0	312.4	857.4	345.2
		10	1095.7	261.2	1037.9	287.2	974.4	316.6	905.5	349.6
		12	1153.5	265.0	1093.2	291.3	1026.8	320.9	954.9	354.1
		14	1212.1	268.9	1149.4	295.5	1080.4	325.4	1005.5	358.9
97	DCF099TX-21HWWW	6	1004.5	263.8	950.6	289.8	891.4	319.3	827.1	352.6
		7	1032.7	265.7	977.4	291.9	916.6	321.5	850.5	354.8
		8	1061.1	267.6	1004.5	294.0	942.1	323.7	874.3	357.1
		10	1118.9	271.7	1059.5	298.3	994.0	328.3	922.8	361.9
		12	1177.5	275.8	1115.5	302.8	1047.0	333.1	972.7	366.8
		14	1236.8	280.0	1172.3	307.4	1101.1	338.0	1023.7	372.0

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
1	DCF046DR-07DXY0	6	481.5	135.1	454.5	148.7	424.8	164.4	393.0	182.1
		7	495.4	136.1	467.6	149.8	437.1	165.5	404.4	183.2
		8	509.4	137.2	480.8	150.8	449.5	166.6	416.0	184.3
		10	537.9	139.2	507.8	153.1	474.8	168.9	439.6	186.6
		12	567.0	141.4	535.3	155.4	500.7	171.3	464.0	189.1
		14	596.6	143.7	563.3	157.8	527.2	173.9	488.9	191.6
2	DCF048DR-07DPY0	6	497.1	138.6	468.8	151.9	437.9	167.2	404.9	184.3
		7	511.2	139.7	482.2	153.1	450.4	168.4	416.5	185.5
		8	525.6	140.8	495.7	154.2	463.0	169.6	428.3	186.7
		10	554.8	143.1	523.2	156.6	488.9	172.1	452.4	189.2
		12	584.6	145.4	551.4	159.1	515.3	174.7	477.1	191.9
		14	614.9	147.9	580.1	161.8	542.3	177.4	502.5	194.6
3	DCF051DR-08DPV0	6	524.2	143.8	496.7	158.3	465.6	174.5	431.3	192.6
		7	539.4	145.0	511.2	159.5	478.9	175.7	443.7	193.8
		8	554.8	146.1	525.9	160.7	492.5	176.8	456.3	195.0
		10	586.2	148.4	555.6	163.0	520.1	179.2	482.2	197.4
		12	618.4	150.8	585.6	165.4	548.4	181.7	508.7	200.0
		14	651.1	153.3	616.2	167.9	577.3	184.3	536.0	202.6
4	DCF053DR-08DYY0	6	537.9	150.6	508.5	165.3	476.3	182.4	441.7	201.6
		7	553.6	151.6	523.3	166.5	490.1	183.6	454.6	202.8
		8	569.3	152.7	538.2	167.6	504.2	184.8	467.7	204.1
		10	601.5	155.0	568.6	170.1	532.8	187.4	494.6	206.6
		12	634.3	157.4	599.8	172.6	562.1	190.0	522.1	209.3
		14	667.7	159.9	631.5	175.2	592.2	192.7	550.4	212.1
5	DCF049DR-09DXY0	6	492.8	127.7	469.1	141.5	442.7	157.2	413.4	174.8
		7	507.7	128.7	483.4	142.5	456.3	158.2	425.8	175.7
		8	522.8	129.6	497.9	143.5	470.1	159.3	438.4	176.5
		10	553.6	131.6	527.5	145.5	498.4	161.4	464.2	178.3
		12	585.3	133.7	558.0	147.7	526.9	163.4	490.7	180.2
		14	617.7	135.8	589.3	149.9	555.7	165.3	518.0	182.2
6	DCF051DR-09DPY0	6	509.9	131.3	485.2	144.8	457.6	160.2	426.7	177.1
		7	525.3	132.3	499.9	145.9	471.6	161.3	439.4	178.1
		8	540.8	133.4	514.8	147.0	485.8	162.4	452.3	179.1
		10	572.6	135.5	545.3	149.2	514.5	164.6	478.7	181.1
		12	605.3	137.7	576.8	151.5	543.6	166.7	505.8	183.1
		14	638.8	140.0	609.0	153.9	573.2	168.8	533.8	185.3
7	DCF053DR-10DPV0	6	536.4	137.1	510.2	151.3	481.6	167.6	449.7	185.8
		7	552.5	138.1	525.6	152.4	496.2	168.7	463.3	186.8
		8	568.7	139.2	541.3	153.5	511.2	169.8	477.1	187.9
		10	601.5	141.2	573.3	155.7	541.3	172.0	505.5	190.1
		12	635.7	143.3	606.2	157.9	572.1	174.2	534.8	192.4
		14	670.6	145.5	639.8	160.2	603.8	176.5	564.3	194.5

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
8	DCF055DR-09DYV0	6	564.6	155.7	536.0	171.7	503.5	189.8	467.7	210.0
		7	581.2	156.9	551.8	172.9	518.2	190.9	481.5	211.2
		8	598.0	158.0	567.9	174.1	533.2	192.1	495.4	212.4
		10	632.4	160.4	600.5	176.5	563.6	194.5	524.0	214.8
		12	667.5	162.8	633.5	178.9	594.8	197.0	553.4	217.4
		14	703.4	165.3	667.2	181.4	626.7	199.7	583.5	220.1
9	DCF055DR-10DYY0	6	547.7	143.1	521.7	158.3	492.8	175.6	461.0	194.9
		7	564.2	144.2	537.6	159.4	508.0	176.7	474.9	195.9
		8	581.1	145.3	553.8	160.5	523.4	177.9	489.0	196.9
		10	615.4	147.5	586.8	162.8	555.0	180.2	517.9	198.9
		12	650.7	149.9	620.8	165.2	587.0	182.5	547.6	201.1
		14	686.8	152.3	655.7	167.7	619.3	184.7	578.1	203.3
10	DCF058DR-10DVV0	6	591.2	160.9	563.4	178.1	530.8	197.2	493.7	218.3
		7	608.9	162.1	580.4	179.3	546.4	198.3	508.3	219.5
		8	626.7	163.3	597.6	180.5	562.2	199.4	523.1	220.6
		10	663.3	165.7	632.4	182.9	594.4	201.7	553.4	223.1
		12	700.7	168.2	667.3	185.2	627.5	204.1	584.6	225.6
		14	739.0	170.7	702.8	187.5	661.3	206.6	616.6	228.2
11	DCF062DR-10FVW0	6	638.9	173.3	606.3	190.6	568.4	209.9	527.0	231.5
		7	657.9	174.7	624.1	191.9	584.8	211.2	542.3	232.9
		8	677.0	176.0	642.0	193.3	601.5	212.6	557.8	234.3
		10	715.5	178.7	678.2	196.0	635.4	215.4	589.5	237.2
		12	754.9	181.5	715.0	198.8	670.2	218.3	622.2	240.2
		14	795.1	184.4	752.7	201.7	705.8	221.4	655.7	243.3
12	DCF065DR-10FWW0	6	671.0	184.6	635.0	202.0	593.9	221.7	549.7	243.9
		7	690.8	186.1	653.0	203.5	610.8	223.3	565.3	245.4
		8	710.5	187.7	671.2	205.0	627.8	224.9	581.2	247.0
		10	749.6	190.6	708.2	208.1	662.6	228.1	613.6	250.4
		12	789.6	193.5	746.0	211.3	698.1	231.5	646.9	253.8
		14	830.2	196.6	784.5	214.7	734.4	235.0	681.0	257.4
13	DCF069TR-10GPPY	6	708.5	200.7	668.5	219.9	624.6	241.9	577.5	266.6
		7	728.8	202.3	687.5	221.6	642.3	243.6	593.9	268.3
		8	749.1	203.9	706.7	223.3	660.2	245.4	610.6	270.1
		10	790.5	207.2	745.7	226.8	696.8	249.1	644.7	273.8
		12	832.6	210.6	785.5	230.4	734.2	252.9	679.7	277.6
		14	875.5	214.2	826.1	234.2	772.4	256.8	715.6	281.6
14	DCF051DR-11DXY0	6	500.9	122.7	476.7	136.0	449.9	151.2	420.5	168.3
		7	516.0	123.5	491.2	136.8	463.5	152.0	433.7	169.2
		8	531.4	124.3	506.0	137.7	477.4	152.8	447.1	170.2
		10	562.9	126.1	535.8	139.4	506.4	154.7	474.6	172.1
		12	595.1	127.9	566.6	141.2	536.2	156.7	503.0	174.1
		14	628.2	129.7	598.9	143.2	566.9	158.7	532.3	176.1

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

			Ambient (°C)							
			25°C		30°C		35°C		40°C	
	Model	Supply Temp °C	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW
15	DCF053DR-11DPY0	6	518.6	126.1	493.2	139.2	464.7	153.9	434.7	170.8
		7	534.2	127.1	508.2	140.2	479.3	155.0	448.2	171.8
		8	550.0	128.0	523.5	141.1	493.6	155.9	462.0	172.9
		10	582.5	129.9	554.3	143.0	523.5	158.0	490.3	175.0
		12	615.8	131.8	586.7	145.2	554.3	160.2	519.6	177.2
		14	650.0	133.9	619.2	147.1	586.0	162.4	549.8	179.4
16	DCF055DR-12DPV0	6	544.3	132.3	518.0	146.1	488.7	161.8	456.9	179.6
		7	560.6	133.2	533.7	147.1	503.9	162.9	471.1	180.7
		8	577.2	134.1	549.6	148.0	518.8	163.8	485.7	181.8
		10	611.0	135.9	581.8	149.9	549.6	165.7	515.1	183.9
		12	645.7	137.8	615.7	152.0	581.8	167.9	545.8	186.1
		14	681.2	139.8	649.7	153.9	615.1	170.1	577.4	188.3
17	DCF057DR-12DYY0	6	555.9	138.0	529.3	152.7	500.0	169.5	468.0	188.3
		7	572.7	139.0	545.5	153.7	514.9	170.3	482.6	189.4
		8	589.8	140.0	561.9	154.7	530.7	171.4	497.6	190.5
		10	624.7	142.0	594.7	156.5	563.0	173.5	528.2	192.6
		12	660.5	144.1	630.1	158.9	596.2	175.7	559.9	194.9
		14	697.2	146.2	665.1	161.0	630.4	178.0	592.6	197.2
18	DCF058DR-11DYV0	6	573.8	149.0	546.6	164.9	516.4	183.0	483.6	203.5
		7	591.0	150.0	563.0	165.9	532.3	184.1	498.3	204.6
		8	608.5	151.1	579.9	167.0	548.4	185.3	513.4	205.7
		10	644.3	153.3	614.4	169.3	581.4	187.6	544.2	207.9
		12	680.6	155.5	649.8	171.6	615.1	190.0	576.0	210.2
		14	718.2	157.8	686.2	174.1	649.5	192.3	608.3	212.4
19	DCF060DR-12DVV0	6	599.9	154.8	571.6	171.4	540.1	190.4	506.1	212.1
		7	617.8	155.9	588.4	172.4	556.6	191.5	521.8	213.3
		8	636.0	156.9	606.0	173.5	573.4	192.7	537.8	214.5
		10	673.2	159.0	641.9	175.7	607.8	195.0	570.6	216.9
		12	710.6	161.1	678.8	178.0	643.2	197.4	604.5	219.4
		14	749.7	163.3	716.6	180.4	679.6	199.9	638.5	221.6
20	DCF065DR-12FVW0	6	648.6	166.5	617.1	183.7	582.4	203.4	544.0	225.4
		7	668.0	167.8	635.7	185.0	600.1	204.7	560.4	226.6
		8	687.2	168.9	654.6	186.3	618.1	206.1	577.1	227.9
		10	727.7	171.6	693.2	189.1	654.9	208.9	611.2	230.6
		12	768.6	174.2	732.9	191.8	692.1	211.6	646.3	233.3
		14	810.9	176.9	773.7	194.7	730.3	214.3	681.9	235.9
21	DCF068DR-12FWW0	6	681.2	177.2	648.4	195.1	611.6	215.4	570.1	237.7
		7	701.4	178.7	667.7	196.7	629.9	217.0	586.7	239.0
		8	721.8	180.1	687.3	198.2	648.6	218.6	603.6	240.4
		10	763.6	183.1	727.4	201.3	686.5	221.7	638.2	243.2
		12	806.4	186.1	768.6	204.5	724.3	224.5	673.7	246.2
		14	850.1	189.1	810.8	207.7	763.0	227.5	710.2	249.2

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
22	DCF074TR-11GPYY	6	765.0	213.8	722.0	234.5	675.0	258.3	624.8	285.0
		7	786.9	215.4	742.7	236.2	694.4	260.1	642.8	286.8
		8	809.1	217.1	763.7	237.9	714.1	261.9	661.1	288.6
		10	854.3	220.5	806.4	241.6	754.1	265.6	698.6	292.4
		12	900.5	224.0	850.0	245.3	795.2	269.6	737.1	296.4
		14	947.5	227.7	894.6	249.3	837.2	273.6	776.6	300.5
23	DCF079TR-12GYYY	6	810.7	226.1	766.2	248.3	717.4	273.9	665.1	302.7
		7	834.1	227.7	788.4	250.0	738.2	275.7	684.5	304.5
		8	857.9	229.4	810.8	251.7	759.3	277.5	704.2	306.4
		10	906.1	232.8	856.5	255.4	802.3	281.3	744.6	310.2
		12	955.4	236.4	903.2	259.2	846.4	285.3	786.0	314.3
		14	1005.5	240.2	950.9	263.2	891.5	289.4	828.5	318.4
24	DCF059DR-13DYV0	6	581.3	144.1	553.7	159.6	523.3	177.2	489.9	197.1
		7	598.8	145.1	570.6	160.6	539.2	178.2	505.2	198.2
		8	616.6	146.0	587.7	161.6	555.6	179.2	520.8	199.3
		10	652.9	148.0	622.3	163.5	589.1	181.3	552.8	201.5
		12	690.1	150.0	658.7	165.7	623.4	183.4	585.8	203.7
		14	728.2	152.1	695.3	167.8	659.0	185.7	619.9	206.1
25	DCF062DR-14DVV0	6	606.7	150.3	578.1	166.5	546.6	185.0	511.8	205.9
		7	624.8	151.2	595.6	167.4	563.4	186.0	527.7	207.0
		8	643.3	152.1	613.5	168.4	580.4	187.0	544.0	208.1
		10	681.0	154.1	649.9	170.4	615.3	189.1	577.3	210.3
		12	719.7	156.0	687.2	172.5	650.5	191.1	611.7	212.6
		14	759.1	158.1	725.5	174.6	687.6	193.4	647.1	214.9
26	DCF066DR-14FVW0	6	656.7	161.5	624.5	178.2	589.6	197.4	551.3	219.1
		7	676.3	162.7	643.8	179.5	607.7	198.7	568.4	220.4
		8	696.3	163.8	663.0	180.7	625.9	199.9	585.7	221.7
		10	737.0	166.1	701.9	183.1	663.4	202.5	621.3	224.3
		12	778.7	168.5	742.2	185.6	701.8	205.1	658.2	227.1
		14	821.6	171.0	783.1	188.1	741.6	207.8	696.2	229.9
27	DCF070DR-14FWW0	6	690.1	171.9	655.7	189.1	619.1	209.0	578.8	231.3
		7	710.6	173.3	676.3	190.7	637.8	210.4	596.4	232.8
		8	731.3	174.6	696.2	192.1	656.8	211.9	614.4	234.3
		10	773.6	177.2	736.3	194.8	695.8	214.9	651.3	237.4
		12	817.0	179.9	778.3	197.7	735.9	217.9	689.4	240.5
		14	861.4	182.7	821.3	200.7	777.1	221.0	728.8	243.7
28	DCF073TR-13GPPY	6	727.7	189.7	692.7	209.2	653.5	231.3	609.9	255.8
		7	749.5	191.2	713.5	210.8	673.4	233.0	627.9	257.2
		8	771.6	192.7	734.7	212.3	693.6	234.6	646.3	258.6
		10	816.7	195.8	778.1	215.6	734.6	237.8	683.8	261.5
		12	863.0	199.0	822.7	218.9	776.0	240.9	722.3	264.6
		14	910.4	202.2	868.4	222.3	818.0	244.0	762.0	267.7

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

			Ambient (°C)							
			25°C		30°C		35°C		40°C	
	Model	Supply Temp °C	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW
29	DCF078TR-14GPYY	6	782.6	202.7	744.9	223.9	702.9	247.9	656.2	274.5
		7	806.2	204.3	767.5	225.5	724.4	249.6	675.8	275.9
		8	830.1	205.9	790.5	227.1	746.3	251.3	695.7	277.4
		10	879.0	209.2	837.5	230.5	790.8	254.6	736.4	280.4
		12	929.2	212.6	885.8	234.0	835.8	257.9	778.4	283.6
		14	980.7	216.0	935.5	237.6	881.5	261.1	821.5	286.9
30	DCF082TR-13HYYV	6	836.8	231.2	794.2	254.6	746.2	281.4	693.4	311.2
		7	861.0	232.9	817.3	256.4	767.7	283.1	713.5	313.0
		8	885.4	234.5	840.6	258.1	789.5	284.9	734.0	314.8
		10	935.0	238.0	887.9	261.7	833.9	288.5	775.8	318.6
		12	985.6	241.5	935.8	265.4	879.3	292.3	818.7	322.5
		14	1036.9	245.2	984.5	269.1	925.6	296.3	862.7	326.6
31	DCF085TR-14HYVV	6	862.9	236.3	821.2	261.0	773.1	288.7	719.1	319.5
		7	888.0	238.0	845.3	262.7	795.5	290.4	740.1	321.3
		8	913.4	239.7	869.7	264.5	818.1	292.1	761.4	323.1
		10	965.0	243.2	919.1	268.1	864.2	295.6	804.8	326.8
		12	1017.6	246.8	968.7	271.6	911.3	299.3	849.5	330.6
		14	1070.9	250.4	1019.0	275.2	959.4	303.2	895.2	334.6
32	DCF075TR-16GPPY	6	740.2	182.1	704.4	201.0	664.5	222.3	621.2	246.3
		7	762.4	183.4	725.7	202.3	684.3	223.5	640.5	247.8
		8	784.9	184.8	747.4	203.7	705.5	225.1	660.0	249.3
		10	830.9	187.5	791.7	206.6	747.4	228.0	700.2	252.4
		12	878.1	190.3	836.8	209.4	791.1	231.1	741.8	255.6
		14	926.5	193.1	883.0	212.3	836.1	234.3	784.6	258.8
33	DCF082TR-15GYYY	6	825.6	214.9	786.4	237.7	742.6	263.7	694.4	292.6
		7	850.5	216.5	810.3	239.4	765.4	265.4	715.3	294.0
		8	875.8	218.2	834.6	241.1	788.6	267.1	736.5	295.5
		10	927.4	221.6	884.2	244.5	836.2	270.7	779.9	298.6
		12	980.3	225.1	935.3	248.1	884.1	274.0	824.5	301.8
		14	1034.5	228.7	987.7	251.8	932.6	277.3	870.4	305.2
34	DCF085TR-16HYYV	6	850.6	220.7	811.3	244.2	767.3	271.1	718.9	301.3
		7	875.8	222.2	835.4	245.8	790.5	272.8	740.5	302.9
		8	900.9	223.7	860.1	247.4	814.2	274.5	762.5	304.4
		10	953.3	227.1	910.4	250.8	862.5	278.0	807.4	307.7
		12	1006.5	230.4	961.9	254.3	911.6	281.4	853.7	311.0
		14	1060.2	233.8	1014.5	257.9	961.3	284.8	900.8	314.4
35	DCF090TR-15HVVV	6	906.9	242.7	864.4	268.5	813.7	297.0	756.7	328.8
		7	933.7	244.5	890.2	270.3	837.4	298.6	779.0	330.5
		8	960.9	246.3	916.4	272.2	861.5	300.4	801.5	332.3
		10	1016.4	249.9	968.7	275.7	910.5	303.9	847.7	336.0
		12	1073.3	253.7	1021.6	279.1	960.7	307.6	895.2	339.8
		14	1131.4	257.5	1075.5	282.7	1012.0	311.4	943.9	343.8

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
36	DCF092TR-15HVVW	6	937.8	253.9	892.2	279.9	838.5	308.8	778.9	341.1
		7	965.3	255.8	918.3	281.8	862.6	310.6	801.5	343.0
		8	993.1	257.8	944.7	283.8	887.0	312.6	824.4	345.0
		10	1049.2	261.7	997.6	287.6	936.8	316.5	871.1	349.1
		12	1106.5	265.6	1051.3	291.5	987.7	320.6	919.2	353.4
		14	1164.7	269.6	1106.0	295.5	1039.7	324.9	968.5	357.8
37	DCF094TR-15HVWW	6	968.7	265.0	920.1	291.2	863.4	320.5	801.2	353.4
		7	996.8	267.2	946.4	293.3	887.8	322.6	824.0	355.5
		8	1025.3	269.3	972.9	295.4	912.6	324.8	847.2	357.7
		10	1082.0	273.4	1026.5	299.6	963.1	329.1	894.6	362.2
		12	1139.6	277.5	1081.0	303.9	1014.7	333.7	943.3	366.9
		14	1198.1	281.7	1136.4	308.3	1067.4	338.4	993.2	371.7
38	DCF096TR-15HWWW	6	991.2	275.5	940.5	302.0	881.3	331.7	817.2	365.1
		7	1019.9	277.8	966.9	304.2	906.1	334.0	840.2	367.4
		8	1048.9	280.2	993.5	306.4	931.1	336.3	863.6	369.8
		10	1106.4	284.5	1047.6	310.9	982.1	341.1	911.4	374.6
		12	1164.3	288.8	1102.7	315.6	1034.3	346.0	960.5	379.7
		14	1222.7	293.2	1158.7	320.4	1087.5	351.1	1010.8	384.9
39	DCF080TR-17GPYY	6	795.3	195.1	756.7	215.5	714.2	238.8	667.6	264.9
		7	819.3	196.5	779.7	216.9	735.6	240.1	688.4	266.5
		8	843.6	197.9	803.2	218.4	757.8	241.5	709.6	268.0
		10	893.4	200.8	851.2	221.4	803.9	244.7	753.2	271.2
		12	944.6	203.8	900.1	224.4	851.1	247.9	798.2	274.5
		14	997.0	206.9	950.2	227.5	899.8	251.3	844.7	277.9
40	DCF085TR-18GYYY	6	838.0	207.3	797.8	229.3	753.6	254.5	705.1	282.8
		7	863.3	208.7	822.1	230.8	776.0	255.7	727.1	284.3
		8	888.9	210.2	846.9	232.3	799.7	257.3	749.6	285.9
		10	941.4	213.2	897.5	235.4	848.2	260.5	795.7	289.2
		12	995.2	216.3	949.4	238.6	898.2	263.9	843.4	292.6
		14	1050.3	219.6	1001.9	241.7	949.6	267.3	892.6	296.1
41	DCF088TR-17HYVV	6	876.2	226.5	835.8	250.7	790.6	278.4	741.2	309.9
		7	902.0	228.0	860.3	252.2	814.5	280.1	763.7	311.5
		8	927.1	229.4	885.6	253.9	838.7	281.8	786.5	313.2
		10	981.2	232.8	937.2	257.2	888.3	285.3	833.4	316.6
		12	1035.5	236.0	990.0	260.6	938.9	288.8	881.6	320.1
		14	1090.1	239.2	1043.8	264.1	990.5	292.3	930.4	323.5
42	DCF093TR-18HVVV	6	920.3	233.4	876.3	258.2	828.8	286.9	776.7	319.5
		7	946.0	234.6	902.7	259.8	854.0	288.6	800.6	321.3
		8	975.2	236.6	929.5	261.5	879.6	290.3	825.0	323.1
		10	1030.5	239.5	984.1	264.9	932.0	293.9	875.1	326.8
		12	1089.5	243.1	1040.2	268.4	985.9	297.6	926.4	330.4
		14	1147.8	246.4	1097.7	272.0	1041.3	301.3	977.8	333.7

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
43	DCF095TR-18HVVW	6	951.5	244.0	906.5	269.5	857.0	298.8	802.2	331.8
		7	978.5	245.5	933.5	271.3	882.8	300.7	826.4	333.6
		8	1007.9	247.5	960.9	273.2	909.0	302.7	850.9	335.5
		10	1064.9	250.9	1016.8	277.0	962.6	306.6	901.3	339.4
		12	1124.8	254.8	1074.1	280.9	1017.1	310.5	953.0	343.3
		14	1184.4	258.4	1132.7	284.8	1072.8	314.4	1005.1	346.9
44	DCF098TR-18HVWW	6	982.8	254.6	936.7	280.9	885.2	310.8	827.7	344.1
		7	1011.0	256.4	964.3	282.9	911.6	312.9	852.1	346.0
		8	1040.6	258.5	992.4	284.9	938.4	315.0	876.9	348.0
		10	1099.3	262.3	1049.5	289.1	993.3	319.3	927.5	352.0
		12	1160.1	266.4	1108.0	293.3	1048.2	323.4	979.6	356.1
		14	1221.1	270.4	1167.7	297.6	1104.3	327.5	1032.5	360.1
45	DCF100TR-18HWWW	6	1005.5	264.6	958.8	291.6	905.9	322.1	846.5	355.8
		7	1034.8	266.7	986.9	293.8	932.8	324.4	871.0	357.8
		8	1064.4	268.8	1015.5	296.0	960.0	326.7	895.9	359.8
		10	1124.7	273.1	1073.6	300.5	1015.8	331.4	946.7	364.0
		12	1186.1	277.4	1133.2	305.1	1071.4	335.7	998.8	368.3
		14	1248.4	281.7	1193.8	309.7	1127.7	339.9	1052.3	372.7
46	DCF088TR-19HYYV	6	861.9	213.3	822.0	236.1	777.7	262.2	728.7	291.6
		7	887.5	214.7	846.7	237.6	800.8	263.6	751.2	293.2
		8	913.4	216.1	871.7	239.0	824.9	265.1	774.1	294.8
		10	966.1	219.0	921.9	241.8	874.0	268.3	821.1	298.1
		12	1020.0	222.0	975.1	245.2	924.2	271.4	869.5	301.4
		14	1074.7	225.1	1028.4	248.3	975.9	274.8	919.3	304.9
47	DCF090TR-20HYVV	6	886.6	219.3	846.0	243.0	800.6	270.0	750.3	300.4
		7	912.9	220.7	871.2	244.4	824.6	271.4	773.5	302.0
		8	939.3	222.1	896.8	245.8	849.3	272.9	797.0	303.6
		10	993.3	225.0	948.7	248.7	899.6	276.0	845.2	306.9
		12	1048.2	227.9	1002.7	251.9	950.6	279.0	894.8	310.2
		14	1104.0	230.9	1057.1	255.0	1003.5	282.4	945.8	313.7
48	DCF095TR-21HVVV	6	930.6	226.4	887.1	250.8	838.9	278.6	786.3	310.4
		7	958.3	227.8	913.7	252.2	864.5	280.2	809.9	311.8
		8	986.4	229.3	940.9	253.8	889.1	281.4	834.7	313.4
		10	1043.7	232.2	996.3	256.8	942.4	284.6	885.5	316.8
		12	1102.4	235.2	1053.1	259.9	998.2	288.2	937.9	320.3
		14	1162.2	238.3	1111.2	263.2	1053.6	291.4	991.9	323.8
49	DCF098TR-21HVVW	6	962.7	236.7	917.7	261.7	867.4	290.1	812.7	322.5
		7	991.1	238.3	945.0	263.4	893.6	291.9	837.1	324.1
		8	1019.9	239.9	972.4	264.9	919.3	293.3	862.5	326.0
		10	1078.4	243.1	1029.1	268.3	973.8	297.0	914.4	329.7
		12	1138.3	246.4	1087.2	271.8	1030.5	300.9	968.0	333.6
		14	1199.2	249.8	1146.6	275.4	1087.3	304.5	1023.2	337.5

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
50	DCF101TR-21HVWW	6	994.7	247.0	948.2	272.6	895.8	301.6	839.1	334.6
		7	1023.8	248.8	976.3	274.5	922.7	303.5	864.3	336.5
		8	1053.3	250.5	1003.9	276.1	949.5	305.3	890.3	338.5
		10	1113.2	254.1	1062.0	279.9	1005.3	309.3	943.4	342.6
		12	1174.3	257.6	1121.4	283.7	1062.8	313.5	998.1	346.9
		14	1236.3	261.3	1182.0	287.7	1121.1	317.6	1054.5	351.2
51	DCF103TR-21HWWW	6	1018.2	256.8	970.5	283.0	916.6	312.4	858.4	346.1
		7	1047.8	258.7	997.7	284.6	943.9	314.6	884.3	348.3
		8	1077.8	260.6	1028.1	287.0	971.7	316.7	910.7	350.4
		10	1138.7	264.4	1086.1	290.8	1028.5	321.1	964.6	354.9
		12	1200.9	268.3	1146.6	295.0	1086.7	325.5	1020.3	359.5
		14	1263.8	272.2	1208.2	299.3	1146.2	330.0	1077.6	364.2
52	DCF047DX-09DXY0	6	480.4	128.0	452.6	142.0	422.5	157.9	390.2	176.0
		7	494.1	129.0	465.5	143.1	434.6	159.1	401.4	177.1
		8	508.0	130.1	478.6	144.2	446.8	160.3	412.7	178.3
		10	536.2	132.3	505.2	146.5	471.8	162.7	435.9	180.8
		12	565.0	134.6	532.4	149.0	497.3	165.2	459.8	183.4
		14	594.2	137.0	560.1	151.5	523.3	167.9	484.2	186.2
53	DCF049DX-09DPY0	6	495.9	131.5	466.8	145.2	435.5	160.8	401.9	178.2
		7	509.9	132.6	480.0	146.4	447.8	162.0	413.3	179.5
		8	524.1	133.8	493.4	147.6	460.3	163.3	424.9	180.8
		10	553.0	136.2	520.6	150.1	485.7	165.9	448.5	183.5
		12	582.4	138.6	548.3	152.8	511.7	168.6	472.7	186.3
		14	612.3	141.2	576.6	155.5	538.3	171.5	497.5	189.2
54	DCF051DX-10DPV0	6	523.9	137.1	493.8	151.4	461.4	167.8	426.5	186.3
		7	538.7	138.1	507.9	152.6	474.5	169.0	438.6	187.6
		8	553.8	139.3	522.0	153.8	487.8	170.3	451.0	188.9
		10	584.3	141.5	550.9	156.2	514.8	172.9	476.1	191.6
		12	615.5	143.9	580.4	158.8	542.5	175.6	502.0	194.4
		14	647.1	146.4	610.4	161.4	570.8	178.3	528.5	197.3
55	DCF053DX-10DYY0	6	534.1	143.4	503.6	158.8	470.0	176.6	435.7	196.0
		7	549.4	144.5	518.1	160.0	484.4	177.6	448.2	197.3
		8	564.9	145.7	532.7	161.3	498.1	178.9	461.0	198.7
		10	596.4	148.2	562.5	163.9	526.0	181.6	487.0	201.5
		12	628.5	150.8	592.9	166.6	554.6	184.5	513.7	204.4
		14	661.2	153.5	623.9	169.5	583.8	187.5	541.0	207.5
56	DCF049DX-11DXY0	6	495.6	122.2	468.5	135.4	439.2	150.5	407.6	167.6
		7	510.1	123.0	482.3	136.3	452.2	151.4	419.7	168.6
		8	524.8	123.8	496.2	137.2	465.3	152.3	432.0	169.5
		10	554.7	125.6	524.7	139.0	492.1	154.3	457.0	171.6
		12	585.3	127.4	553.7	141.0	519.5	156.4	482.8	173.7
		14	616.4	129.4	583.4	143.0	547.6	158.5	509.2	175.9

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
57	DCF051DX-11DPY0	6	512.3	125.6	484.0	138.5	453.4	153.3	420.6	170.0
		7	527.2	126.5	498.1	139.5	466.7	154.3	432.9	171.0
		8	542.3	127.4	512.4	140.5	480.1	155.4	445.4	172.1
		10	573.0	129.4	541.6	142.6	507.6	157.5	471.0	174.3
		12	604.5	131.4	571.4	144.7	535.7	159.7	497.4	176.6
		14	636.5	133.5	601.9	146.9	564.5	162.1	524.4	179.0
58	DCF053DX-12DPV0	6	539.0	131.7	509.7	145.4	478.0	161.0	443.8	178.7
		7	554.6	132.6	524.6	146.3	492.0	162.0	456.8	179.8
		8	570.5	133.5	539.6	147.3	506.1	163.0	470.0	180.8
		10	602.7	135.3	570.3	149.3	535.0	165.1	496.2	183.2
		12	635.7	137.3	601.6	151.4	564.7	167.3	524.9	185.4
		14	669.2	139.3	633.7	153.5	595.0	169.6	553.4	187.8
59	DCF055DX-11DYV0	6	561.7	148.9	530.3	165.0	495.9	183.5	459.9	204.1
		7	577.9	150.1	545.6	166.2	510.7	184.6	473.2	205.5
		8	594.2	151.2	561.0	167.4	525.2	185.9	486.7	206.8
		10	627.3	153.6	592.4	170.0	554.7	188.6	514.3	209.6
		12	661.2	156.1	624.5	172.6	585.0	191.4	542.6	212.5
		14	695.6	158.7	657.3	175.4	615.9	194.3	571.6	215.6
60	DCF055DX-12DYY0	6	549.4	137.5	519.7	152.1	487.6	168.8	453.1	187.6
		7	565.5	138.4	535.0	153.1	502.0	169.8	466.6	188.7
		8	581.8	139.4	550.5	154.1	516.6	170.9	480.2	189.8
		10	615.0	141.5	582.0	156.2	546.4	173.1	508.1	192.1
		12	649.0	143.6	614.4	158.5	576.9	175.5	536.8	194.6
		14	683.6	145.9	647.4	160.9	608.2	177.9	566.2	197.1
61	DCF058DX-12DVV0	6	589.3	154.5	556.9	171.2	521.9	190.4	484.1	212.3
		7	606.3	155.6	573.0	172.4	537.0	191.7	498.2	213.6
		8	623.4	156.7	589.3	173.6	552.3	192.9	512.4	214.9
		10	658.2	159.0	622.4	176.1	583.5	195.6	541.6	217.7
		12	693.8	161.4	656.2	178.6	615.4	198.3	571.5	220.6
		14	729.9	163.9	690.6	181.3	648.0	201.2	602.2	223.6
62	DCF062DX-12FVW0	6	633.3	166.5	597.0	183.9	557.6	203.7	515.3	226.1
		7	651.3	167.8	613.9	185.3	573.4	205.2	530.0	227.6
		8	669.4	169.2	631.0	186.8	589.4	206.7	544.8	229.2
		10	706.3	172.0	665.8	189.8	622.1	209.9	575.2	232.5
		12	743.9	175.0	701.4	192.9	655.4	213.2	606.3	235.9
		14	782.1	178.0	737.6	196.2	689.5	216.7	638.2	239.5

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
63	DCF065DX-12FWW0	6	662.6	177.5	623.8	195.6	581.8	216.0	536.6	238.9
		7	681.0	179.1	641.2	197.3	597.9	217.7	551.5	240.7
		8	699.7	180.7	658.7	198.9	614.3	219.5	566.6	242.5
		10	737.5	183.9	694.3	202.4	647.6	223.1	597.4	246.2
		12	776.0	187.3	730.7	206.0	681.5	226.9	629.0	250.1
		14	815.2	190.8	767.6	209.8	716.2	230.8	661.4	254.1
64	DCF050DX-13DXY0	6	505.9	118.8	479.4	131.5	450.7	146.0	419.6	162.5
		7	521.0	119.5	493.8	132.2	464.2	146.7	432.3	163.3
		8	536.2	120.2	508.3	132.9	478.0	147.5	445.2	164.1
		10	567.3	121.6	538.0	134.5	506.0	149.2	471.6	165.8
		12	599.1	123.2	568.4	136.1	534.9	150.9	498.7	167.6
		14	631.6	124.8	599.4	137.8	564.4	152.7	526.6	169.4
65	DCF053DX-13DPY0	6	523.6	122.1	495.8	134.6	465.8	148.8	433.4	164.9
		7	539.0	122.9	510.6	135.4	479.7	149.6	446.4	165.8
		8	554.7	123.7	525.5	136.2	493.8	150.5	459.6	166.7
		10	586.7	125.3	556.0	138.0	522.6	152.3	486.6	168.6
		12	619.5	127.0	587.3	139.8	552.2	154.2	514.5	170.5
		14	653.0	128.8	619.3	141.6	582.6	156.2	543.1	172.6
66	DCF055DX-14DPV0	6	549.5	128.5	520.8	141.7	489.6	156.7	455.9	173.9
		7	565.7	129.2	536.2	142.5	504.2	157.6	469.5	174.8
		8	582.1	130.0	551.9	143.3	519.0	158.5	483.4	175.7
		10	615.5	131.6	583.8	145.0	549.2	160.3	511.8	177.6
		12	649.7	133.2	616.5	146.7	580.2	162.1	541.0	179.6
		14	684.6	134.9	649.9	148.6	612.0	164.1	571.0	181.6
67	DCF057DX-13DYV0	6	575.7	143.6	545.0	158.9	511.8	176.4	476.0	196.3
		7	592.6	144.5	561.0	159.9	526.9	177.5	490.1	197.4
		8	609.6	145.5	577.3	160.9	542.2	178.5	504.5	198.6
		10	644.3	147.4	610.3	163.0	573.5	180.7	533.8	200.9
		12	679.8	149.5	644.2	165.2	605.5	183.1	563.9	203.3
		14	715.9	151.7	678.7	167.5	638.3	185.5	594.9	205.8
68	DCF057DX-14DYY0	6	560.3	133.9	531.1	147.9	499.5	164.0	465.5	182.2
		7	576.9	134.7	546.9	148.7	514.5	164.8	479.6	183.1
		8	593.8	135.5	563.0	149.6	529.7	165.8	493.9	184.1
		10	628.2	137.3	595.9	151.4	560.9	167.7	523.2	186.0
		12	663.4	139.1	629.6	153.3	592.8	169.6	553.3	188.1
		14	699.4	141.1	664.0	155.4	625.6	171.7	584.2	190.3
69	DCF060DX-14DVV0	6	602.0	149.7	570.4	165.7	536.0	184.1	498.9	205.1
		7	619.6	150.6	587.1	166.7	551.8	185.1	513.7	206.2
		8	637.4	151.5	604.1	167.6	567.9	186.2	528.7	207.3
		10	673.6	153.4	638.6	169.7	600.6	188.4	559.5	209.6
		12	710.6	155.4	674.0	171.8	634.1	190.6	591.1	212.0
		14	748.3	157.5	710.1	174.1	668.4	193.0	623.5	214.6

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
70	DCF064DX-14FVW0	6	648.7	160.9	613.2	177.5	574.6	196.5	532.9	218.1
		7	667.5	162.0	630.9	178.7	591.3	197.8	548.6	219.4
		8	686.4	163.2	648.9	180.0	608.2	199.1	564.3	220.8
		10	725.0	165.6	685.5	182.5	642.7	201.8	596.6	223.6
		12	764.4	168.0	723.0	185.2	678.0	204.6	629.7	226.5
		14	804.6	170.6	761.3	188.0	714.2	207.6	663.7	229.6
71	DCF068DX-14FWW0	6	679.7	171.3	641.9	188.6	600.7	208.2	556.0	230.4
		7	699.0	172.6	660.2	190.0	617.9	209.7	572.2	231.8
		8	718.6	173.9	678.7	191.4	635.2	211.2	588.3	233.4
		10	758.3	176.7	716.3	194.4	670.6	214.3	621.2	236.6
		12	798.9	179.6	754.8	197.5	706.8	217.6	655.0	240.0
		14	840.1	182.5	794.0	200.7	743.7	221.0	689.7	243.5
72	DCF069TX-13GPPY	6	708.4	190.0	667.2	209.7	622.6	232.1	574.9	257.2
		7	728.3	191.6	686.0	211.4	640.2	233.9	591.0	259.0
		8	748.6	193.3	705.0	213.2	657.9	235.7	607.5	260.9
		10	789.6	196.7	743.7	216.8	694.1	239.5	641.0	264.8
		12	831.4	200.3	783.2	220.6	731.1	243.4	675.5	268.8
		14	873.9	204.0	823.4	224.5	768.9	247.5	710.7	273.0
73	DCF075TX-14GPYY	6	761.9	203.1	717.6	224.5	669.9	248.8	618.8	276.1
		7	783.5	204.8	738.0	226.3	688.9	250.7	636.4	278.0
		8	805.5	206.5	758.7	228.2	708.2	252.6	654.3	280.0
		10	850.0	210.2	800.7	232.0	747.6	256.6	690.9	284.1
		12	895.4	213.9	843.6	236.0	787.8	260.8	728.4	288.4
		14	941.6	217.9	887.3	240.1	829.0	265.1	766.9	292.8
74	DCF059DX-15DYV0	6	585.9	140.2	555.7	154.9	523.0	171.9	487.7	191.2
		7	603.2	141.0	572.3	155.8	538.7	172.8	502.4	192.1
		8	620.8	141.8	589.1	156.7	554.6	173.7	517.4	193.1
		10	656.6	143.5	623.3	158.5	587.1	175.6	548.0	195.1
		12	693.3	145.3	658.4	160.3	620.5	177.5	579.5	197.1
		14	730.6	147.2	694.3	162.3	654.6	179.6	611.8	199.3
75	DCF061DX-16DVV0	6	611.5	146.6	580.3	162.0	546.5	179.8	509.9	200.2
		7	629.5	147.4	597.6	162.9	562.8	180.7	525.3	201.1
		8	647.8	148.2	615.1	163.7	579.4	181.6	540.9	202.1
		10	685.0	149.8	650.7	165.5	613.3	183.5	572.8	204.1
		12	723.1	151.5	687.3	167.3	648.1	185.4	605.7	206.1
		14	761.9	153.3	724.5	169.2	683.7	187.5	639.4	208.3
76	DCF066DX-16FVW0	6	660.2	157.2	625.2	173.3	587.2	191.7	546.2	212.6
		7	679.5	158.2	643.6	174.3	604.6	192.8	562.4	213.8
		8	699.0	159.2	662.2	175.4	622.2	193.9	578.9	215.0
		10	738.9	161.2	700.2	177.6	658.1	196.3	612.6	217.4
		12	779.7	163.4	739.1	179.9	694.9	198.7	647.2	220.0
		14	821.2	165.6	778.9	182.3	732.7	201.3	682.8	222.6

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
77	DCF069DX-16FWW0	6	692.4	167.1	655.3	183.8	614.9	202.8	571.1	224.3
		7	712.4	168.2	674.3	185.1	632.7	204.2	587.7	225.7
		8	732.6	169.4	693.5	186.3	650.8	205.5	604.6	227.1
		10	773.7	171.8	732.7	189.0	687.8	208.3	639.1	229.9
		12	815.8	174.3	772.8	191.6	725.6	211.1	674.6	232.9
		14	858.6	176.8	813.6	194.4	764.3	214.1	711.0	236.0
78	DCF073TX-16GPPY	6	732.1	181.3	692.1	200.0	648.8	221.2	602.1	245.1
		7	753.3	182.6	712.3	201.4	667.7	222.6	619.6	246.6
		8	774.8	184.0	732.7	202.8	686.9	224.1	637.5	248.1
		10	818.5	186.7	774.2	205.7	725.9	227.2	674.0	251.3
		12	863.2	189.6	816.6	208.7	766.0	230.4	711.5	254.6
		14	908.7	192.5	860.0	211.9	807.0	233.7	750.0	258.1
79	DCF079TX-15GYYY	6	804.9	215.3	758.8	238.5	709.1	264.8	656.0	294.3
		7	827.9	217.1	780.5	240.3	729.4	266.7	674.8	296.3
		8	851.2	218.9	802.5	242.2	750.0	268.7	693.9	298.3
		10	898.4	222.6	847.2	246.1	792.0	272.8	733.0	302.5
		12	946.6	226.5	892.8	250.3	834.9	277.1	773.2	307.0
		14	995.7	230.6	939.4	254.6	878.8	281.6	814.3	311.6
80	DCF082TX-16HYYV	6	832.2	220.8	786.2	244.7	736.3	271.9	682.5	302.6
		7	855.7	222.5	808.5	246.5	757.3	273.9	702.0	304.6
		8	879.5	224.3	831.1	248.4	778.5	275.8	721.8	306.7
		10	927.7	227.9	876.9	252.2	821.7	279.8	762.3	310.9
		12	976.8	231.6	923.6	256.2	865.8	284.0	803.8	315.3
		14	1026.5	235.5	971.1	260.3	910.9	288.4	846.3	319.8
81	DCF078TX-17GPYY	6	785.9	194.2	742.8	214.5	696.2	237.6	646.1	263.7
		7	808.8	195.6	764.5	216.0	716.6	239.1	665.1	265.3
		8	832.0	197.0	786.5	217.5	737.3	240.7	684.4	266.9
		10	879.3	200.0	831.4	220.6	779.6	244.0	724.0	270.3
		12	927.6	203.1	877.3	223.8	822.9	247.4	764.6	273.8
		14	976.8	206.3	924.2	227.2	867.3	250.9	806.3	277.5
82	DCF082TX-18GYYY	6	828.1	206.4	783.1	228.3	734.6	253.4	682.4	281.6
		7	852.3	207.9	806.1	229.8	756.2	254.9	702.6	283.3
		8	876.8	209.3	829.4	231.4	778.1	256.6	723.1	285.0
		10	926.7	212.4	876.8	234.6	822.9	259.9	765.0	288.5
		12	977.6	215.7	925.4	238.0	868.8	263.5	808.2	292.1
		14	1029.5	219.1	974.9	241.6	915.7	267.2	852.4	295.9
83	DCF085TX-17HYVV	6	859.3	226.4	812.5	250.9	761.6	279.0	706.5	310.7
		7	883.5	228.0	835.6	252.7	783.3	280.8	726.8	312.7
		8	908.1	229.7	858.9	254.5	805.2	282.8	747.3	314.8
		10	957.8	233.2	906.3	258.2	850.0	286.7	789.3	318.9
		12	1008.4	236.8	954.5	262.1	895.7	290.9	832.3	323.3
		14	1059.5	240.6	1003.5	266.1	942.3	295.2	876.4	327.8

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
84	DCF089TX-18HVVV	6	903.3	233.0	853.6	258.2	799.8	287.0	741.7	319.9
		7	929.0	234.6	878.0	260.0	822.7	288.9	763.1	321.9
		8	955.0	236.3	902.8	261.8	846.0	290.9	784.8	324.0
		10	1007.9	239.9	953.0	265.6	893.4	294.9	829.2	328.2
		12	1061.7	243.5	1004.3	269.5	941.9	299.1	874.8	332.6
		14	1116.5	247.3	1056.5	273.6	991.4	303.5	921.5	337.3
85	DCF092TX-18HVVW	6	931.5	243.9	879.7	269.8	823.3	299.3	762.5	332.7
		7	957.7	245.8	904.5	271.8	846.6	301.4	784.1	334.9
		8	984.1	247.7	929.6	273.8	870.2	303.6	806.1	337.2
		10	1037.8	251.6	980.5	278.1	918.1	308.0	850.9	341.8
		12	1092.4	255.7	1032.5	282.4	967.2	312.7	897.0	346.7
		14	1147.8	259.9	1085.3	287.0	1017.2	317.5	944.1	351.8
86	DCF094TX-18HVWW	6	959.7	254.8	905.7	281.4	846.9	311.5	783.3	345.5
		7	986.4	256.9	930.9	283.6	870.4	313.9	805.2	347.9
		8	1013.2	259.0	956.4	285.9	894.3	316.3	827.4	350.4
		10	1067.8	263.4	1008.0	290.5	942.9	321.2	872.7	355.5
		12	1123.1	267.9	1060.6	295.4	992.5	326.3	919.1	360.8
		14	1179.2	272.5	1114.1	300.4	1043.1	331.6	966.7	366.3
87	DCF096TX-18HWWW	6	980.2	265.1	924.6	292.3	863.9	323.1	798.3	357.6
		7	1007.2	267.4	950.1	294.8	887.7	325.6	820.3	360.2
		8	1034.4	269.7	975.8	297.2	911.8	328.2	842.6	362.9
		10	1089.6	274.4	1028.0	302.3	960.8	333.6	888.2	368.4
		12	1145.6	279.3	1081.2	307.6	1010.8	339.1	934.9	374.1
		14	1202.2	284.4	1135.1	313.0	1061.7	344.8	982.7	380.0
88	DCF074TX-19GPPY	6	748.1	176.4	709.0	194.3	666.5	214.7	620.5	237.8
		7	770.1	177.5	730.0	195.4	686.3	215.9	639.1	239.0
		8	792.5	178.6	751.3	196.6	706.4	217.1	657.9	240.3
		10	838.0	180.9	794.7	199.1	747.5	219.7	696.4	243.0
		12	884.5	183.3	839.2	201.6	789.7	222.5	736.1	245.9
		14	932.0	185.7	884.7	204.3	832.9	225.3	776.8	248.8
89	DCF079TX-20GPYY	6	802.5	189.0	760.2	208.4	714.4	230.7	665.1	255.9
		7	826.3	190.2	782.9	209.7	735.8	232.0	685.1	257.3
		8	850.4	191.4	805.8	211.0	757.5	233.3	705.4	258.7
		10	899.5	193.9	852.7	213.6	801.8	236.1	747.0	261.5
		12	949.8	196.5	900.7	216.3	847.3	239.0	789.8	264.5
		14	1001.1	199.3	949.8	219.2	894.0	242.0	833.8	267.6
90	DCF085TX-19HYYV	6	853.5	212.5	808.8	235.1	760.1	261.1	707.4	290.5
		7	878.0	213.9	832.2	236.6	782.2	262.7	728.1	292.2
		8	902.9	215.3	855.9	238.1	804.7	264.3	749.2	293.9
		10	953.4	218.3	904.2	241.3	850.4	267.6	792.2	297.3
		12	1004.8	221.3	953.4	244.6	897.2	271.0	836.4	300.9
		14	1056.9	224.6	1003.5	248.0	945.0	274.7	881.7	304.7

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
91	DCF088TX-20HYVV	6	879.2	218.5	833.7	241.9	783.9	268.7	730.0	299.2
		7	904.4	219.9	857.8	243.4	806.8	270.3	751.5	300.9
		8	929.9	221.3	882.2	244.9	829.9	271.9	773.2	302.6
		10	981.7	224.2	931.8	247.9	877.0	275.1	817.6	306.0
		12	1034.4	227.2	982.4	251.2	925.2	278.6	863.1	309.6
		14	1087.7	230.3	1033.8	254.5	974.3	282.1	909.8	313.4
92	DCF084TX-21GYYY	6	844.6	201.0	800.4	222.0	752.6	246.1	701.2	273.5
		7	869.6	202.2	824.3	223.3	775.2	247.5	722.4	274.9
		8	894.9	203.5	848.5	224.6	798.1	248.8	743.9	276.3
		10	946.6	206.1	897.8	227.4	844.9	251.7	787.9	279.3
		12	999.5	208.9	948.4	230.3	892.9	254.7	833.1	282.4
		14	1053.4	211.9	1000.1	233.3	942.1	257.9	879.6	285.6
93	DCF087TX-22HYYV	6	868.7	207.3	824.9	229.1	777.1	254.1	725.3	282.6
		7	894.0	208.5	849.2	230.3	800.1	255.4	746.9	284.0
		8	919.6	209.7	873.7	231.6	823.5	256.8	768.9	285.4
		10	971.6	212.2	923.7	234.3	871.0	259.6	813.8	288.4
		12	1024.7	214.9	974.7	237.1	919.7	262.5	860.0	291.5
		14	1078.4	217.6	1026.6	240.0	969.5	265.6	907.3	294.7
94	DCF092TX-21HVVV	6	923.0	225.5	874.6	249.6	821.8	277.3	764.8	308.8
		7	949.7	226.9	900.0	251.1	845.9	278.8	787.4	310.5
		8	976.8	228.4	925.8	252.6	870.3	280.5	810.3	312.2
		10	1031.7	231.3	978.3	255.8	920.1	283.8	857.1	315.8
		12	1087.8	234.4	1032.0	259.0	971.0	287.3	905.2	319.5
		14	1144.9	237.5	1086.7	262.5	1023.1	291.0	954.5	323.4
95	DCF095TX-21HVVW	6	952.8	235.8	902.4	260.6	847.2	288.8	787.6	321.0
		7	980.1	237.4	928.3	262.3	871.7	290.6	810.4	322.9
		8	1007.6	239.0	954.5	264.0	896.5	292.5	833.6	324.8
		10	1063.5	242.3	1007.9	267.5	947.0	296.2	881.1	328.8
		12	1120.5	245.7	1062.4	271.2	998.7	300.2	929.8	332.9
		14	1178.3	249.3	1117.9	275.0	1051.5	304.3	979.8	337.2
96	DCF097TX-21HVWW	6	982.6	246.1	930.1	271.5	872.7	300.4	810.3	333.2
		7	1010.4	247.9	956.5	273.4	897.5	302.4	833.5	335.2
		8	1038.4	249.6	983.3	275.3	922.7	304.5	857.0	337.3
		10	1095.4	253.3	1037.5	279.3	974.0	308.7	905.1	341.7
		12	1153.2	257.1	1092.8	283.4	1026.4	313.0	954.5	346.3
		14	1211.8	261.0	1149.0	287.6	1080.0	317.5	1005.0	351.0
97	DCF099TX-21HWWW	6	1004.2	255.8	950.3	281.9	891.1	311.4	826.8	344.7
		7	1032.4	257.8	977.1	284.0	916.2	313.6	850.2	347.0
		8	1060.9	259.7	1004.1	286.1	941.7	315.8	873.9	349.3
		10	1118.6	263.7	1059.1	290.4	993.6	320.4	922.5	354.0
		12	1177.2	267.8	1115.1	294.9	1046.6	325.2	972.2	359.0
		14	1236.4	272.1	1171.9	299.5	1100.7	330.1	1023.2	364.1

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC High Airflow

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
1	DCF046DR-07DXY0	6	481.2	135.4	456.5	149.5	427.4	165.1	395.7	182.6
		7	495.6	136.5	470.0	150.6	439.8	166.2	407.3	183.7
		8	510.1	137.6	483.4	151.7	452.3	167.3	419.0	184.8
		10	539.4	139.8	510.7	153.8	477.9	169.5	443.0	187.0
		12	569.3	142.1	538.5	156.1	504.1	171.8	467.6	189.4
		14	599.8	144.5	566.8	158.4	530.9	174.3	492.9	191.9
2	DCF048DR-07DPY0	6	497.4	139.0	471.1	152.7	440.6	167.9	407.8	184.8
		7	512.0	140.1	484.8	153.9	453.3	169.1	419.6	186.0
		8	526.7	141.3	498.5	155.0	466.1	170.2	431.5	187.2
		10	556.6	143.7	526.4	157.4	492.2	172.7	455.9	189.6
		12	587.3	146.2	554.8	159.8	519.0	175.2	481.0	192.2
		14	618.4	148.7	583.9	162.3	546.4	177.8	506.8	194.8
3	DCF051DR-08DPV0	6	524.5	144.1	497.2	158.5	466.9	175.0	434.1	193.5
		7	539.8	145.2	511.7	159.7	480.6	176.2	446.7	194.7
		8	555.3	146.3	526.4	160.9	494.5	177.5	459.5	195.8
		10	586.8	148.6	556.4	163.3	523.0	180.0	485.6	198.2
		12	619.0	151.0	587.2	165.8	551.9	182.6	512.5	200.6
		14	651.8	153.5	618.6	168.4	581.2	185.1	540.1	203.2
4	DCF053DR-08DYY0	6	536.4	150.4	510.4	166.2	479.0	183.4	444.6	202.4
		7	552.5	151.7	525.8	167.5	492.9	184.5	457.7	203.6
		8	568.7	152.9	541.0	168.7	507.1	185.7	470.9	204.8
		10	602.0	155.5	571.7	171.0	536.1	188.1	498.1	207.2
		12	636.2	158.2	603.1	173.5	565.8	190.7	526.0	209.8
		14	671.1	160.9	635.2	176.0	596.1	193.3	554.7	212.5
5	DCF049DR-09DXY0	6	492.5	127.5	468.0	141.2	441.3	156.9	412.4	174.8
		7	507.3	128.5	482.0	142.1	454.8	158.0	425.2	175.8
		8	522.3	129.4	496.6	143.2	468.5	159.0	438.2	176.9
		10	552.2	131.3	525.9	145.2	496.6	161.1	464.9	179.0
		12	584.3	133.5	556.3	147.4	525.6	163.4	492.5	181.3
		14	616.0	135.5	587.4	149.6	555.4	165.6	520.8	183.5
6	DCF051DR-09DPY0	6	509.5	131.1	484.0	144.5	456.0	159.9	426.0	177.2
		7	524.7	132.1	498.4	145.5	469.9	161.0	439.1	178.4
		8	539.8	133.1	513.2	146.6	484.1	162.2	452.5	179.5
		10	571.7	135.3	543.6	148.9	513.0	164.5	479.9	181.9
		12	603.6	137.4	574.9	151.3	542.9	166.9	508.2	184.3
		14	637.0	139.7	607.0	153.7	573.6	169.4	537.0	186.6
7	DCF053DR-10DPV0	6	535.9	136.8	509.3	151.0	480.3	167.3	448.7	185.7
		7	551.8	137.8	524.7	152.1	494.6	168.3	462.5	186.8
		8	567.7	138.8	540.2	153.2	509.4	169.5	476.5	188.0
		10	601.0	141.0	571.5	155.3	539.8	171.8	505.4	190.4
		12	634.7	143.1	604.7	157.7	571.1	174.2	535.0	192.8
		14	669.4	145.3	637.8	159.9	603.3	176.6	565.2	195.1

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC High Airflow

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
8	DCF055DR-09DYV0	6	563.4	155.6	536.0	172.0	504.7	190.4	470.5	211.1
		7	579.9	156.7	552.2	173.3	519.8	191.7	484.4	212.2
		8	597.0	158.0	568.4	174.5	535.1	192.9	498.5	213.4
		10	631.8	160.5	601.2	176.9	566.3	195.5	527.4	215.8
		12	667.5	163.1	634.9	179.5	598.3	198.1	557.1	218.3
		14	704.0	165.7	669.4	182.1	630.5	200.6	587.6	220.9
9	DCF055DR-10DYY0	6	547.4	142.9	520.3	157.9	491.2	175.2	459.7	194.8
		7	563.8	144.0	536.1	159.0	506.3	176.4	473.9	196.0
		8	580.5	145.1	552.2	160.1	521.6	177.6	488.5	197.1
		10	614.6	147.3	585.1	162.5	553.0	180.0	518.4	199.6
		12	649.6	149.6	618.9	164.9	585.4	182.4	549.3	202.1
		14	684.9	151.9	653.6	167.4	618.7	185.0	581.2	204.7
10	DCF058DR-10DVV0	6	590.3	160.7	561.7	177.8	530.5	197.5	496.4	219.8
		7	607.3	161.8	578.6	179.0	546.6	198.8	511.1	220.9
		8	625.2	163.0	595.8	180.3	563.0	200.1	526.1	222.0
		10	661.5	165.4	630.8	182.9	596.5	202.8	556.7	224.3
		12	698.8	167.9	666.7	185.5	630.8	205.5	588.2	226.7
		14	736.9	170.5	703.6	188.2	664.9	207.9	620.5	229.2
11	DCF062DR-10FVW0	6	637.2	173.0	606.0	190.8	570.3	210.8	530.2	232.8
		7	656.1	174.4	624.0	192.3	587.1	212.2	545.7	234.1
		8	675.2	175.9	642.4	193.8	604.1	213.7	561.4	235.5
		10	714.3	178.8	679.6	196.8	639.0	216.6	593.5	238.3
		12	754.5	181.8	717.3	199.7	674.3	219.5	626.5	241.2
		14	795.6	184.8	755.9	202.7	710.2	222.5	660.5	244.2
12	DCF065DR-10FWW0	6	669.2	184.4	636.1	202.8	597.3	223.1	553.3	245.0
		7	688.8	186.0	654.8	204.5	614.4	224.6	569.2	246.6
		8	708.6	187.6	673.9	206.2	631.6	226.1	585.2	248.1
		10	749.2	190.9	712.1	209.5	666.7	229.3	618.0	251.3
		12	790.8	194.3	750.3	212.6	702.7	232.5	651.7	254.6
		14	833.4	197.7	789.2	215.8	739.5	235.9	686.3	258.1
13	DCF069TR-10GPPY	6	709.4	201.3	671.7	221.0	628.5	242.9	581.7	267.3
		7	730.4	203.1	691.1	222.7	646.4	244.6	598.3	269.0
		8	751.1	204.7	710.7	224.4	664.5	246.3	615.2	270.8
		10	793.2	208.1	750.1	227.8	701.5	249.9	649.8	274.3
		12	836.3	211.6	790.4	231.3	739.4	253.5	685.3	278.1
		14	880.2	215.2	831.5	235.0	778.2	257.4	721.7	281.9
14	DCF051DR-11DXY0	6	500.6	122.3	476.2	135.6	449.3	150.8	420.0	168.0
		7	515.8	123.1	490.7	136.5	463.1	151.7	433.0	168.9
		8	531.1	124.0	505.5	137.4	477.1	152.6	446.3	169.8
		10	562.5	125.7	535.6	139.2	505.9	154.4	473.3	171.6
		12	594.6	127.5	566.5	141.0	535.5	156.4	501.3	173.5
		14	627.5	129.4	598.3	142.9	565.5	158.3	530.4	175.6

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC High Airflow

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output kW	Input kW	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW
15	DCF053DR-11DPY0	6	518.3	125.8	492.7	138.8	464.6	153.7	434.0	170.5
		7	533.9	126.7	507.7	139.8	478.8	154.7	447.4	171.5
		8	549.7	127.6	522.9	140.8	493.2	155.7	461.1	172.5
		10	582.0	129.5	553.9	142.7	522.8	157.7	489.2	174.6
		12	615.2	131.5	585.9	144.8	552.9	159.7	517.7	176.7
		14	649.3	133.5	618.7	146.9	584.4	161.9	547.8	178.9
16	DCF055DR-12DPV0	6	544.1	131.9	517.5	145.7	488.3	161.4	456.4	179.3
		7	560.3	132.8	533.2	146.6	503.2	162.4	470.5	180.3
		8	576.9	133.7	549.1	147.6	518.3	163.4	484.8	181.4
		10	610.6	135.5	581.5	149.5	549.3	165.5	514.2	183.5
		12	645.2	137.4	614.8	151.5	581.2	167.6	544.3	185.6
		14	680.6	139.4	649.0	153.6	613.6	169.6	575.3	187.7
17	DCF057DR-12DYY0	6	555.6	137.6	528.7	152.3	499.3	169.1	467.3	188.0
		7	572.4	138.6	544.9	153.3	514.6	170.0	481.8	189.0
		8	589.4	139.6	561.3	154.3	530.3	171.1	496.6	190.1
		10	624.2	141.6	594.8	156.3	562.3	173.2	526.5	192.1
		12	659.9	143.7	629.2	158.5	595.3	175.4	558.5	194.5
		14	696.5	145.8	664.6	160.7	628.4	177.5	590.6	196.7
18	DCF058DR-11DYV0	6	573.4	148.7	545.5	164.5	515.2	182.6	482.1	203.2
		7	590.5	149.7	562.0	165.6	530.6	183.7	497.0	204.4
		8	608.0	150.8	578.8	166.7	546.6	184.9	512.2	205.6
		10	643.5	153.0	612.6	168.8	579.5	187.3	543.5	208.0
		12	680.0	155.2	647.9	171.2	613.3	189.7	575.7	210.6
		14	717.0	157.5	684.4	173.8	648.1	192.3	609.1	213.1
19	DCF060DR-12DVV0	6	599.4	154.5	570.7	171.0	539.1	190.0	504.5	211.6
		7	617.3	155.5	587.9	172.1	554.9	191.0	520.1	212.8
		8	635.4	156.5	605.4	173.2	571.7	192.2	535.9	214.0
		10	672.4	158.6	640.1	175.2	605.9	194.5	568.5	216.5
		12	710.3	160.8	676.9	177.5	641.2	197.0	602.2	219.0
		14	749.1	163.1	715.2	180.1	677.4	199.5	636.9	221.6
20	DCF065DR-12FVW0	6	648.0	166.2	615.9	183.3	580.6	202.9	542.6	225.2
		7	667.3	167.4	634.4	184.6	598.2	204.3	559.3	226.6
		8	686.3	168.6	653.2	186.0	616.3	205.7	576.2	228.0
		10	726.7	171.3	691.6	188.7	652.7	208.5	611.0	231.0
		12	767.3	173.9	730.7	191.4	690.5	211.5	647.0	234.0
		14	809.3	176.6	771.2	194.3	729.4	214.5	683.6	236.9
21	DCF068DR-12FWW0	6	680.6	177.0	646.5	194.7	609.5	215.0	569.1	237.8
		7	700.6	178.4	665.7	196.2	627.7	216.6	586.4	239.4
		8	719.9	179.6	685.2	197.7	646.3	218.2	603.9	241.1
		10	762.3	182.8	725.1	200.9	684.3	221.4	639.9	244.4
		12	804.2	185.7	766.1	204.1	723.4	224.8	677.1	247.8
		14	847.8	188.7	808.1	207.4	763.6	228.2	714.5	251.0

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC High Airflow

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
22	DCF074TR-11GPYY	6	764.5	214.1	725.2	235.7	679.1	259.5	629.1	285.9
		7	787.1	215.9	746.7	237.6	698.7	261.2	647.4	287.7
		8	809.9	217.7	767.9	239.3	718.6	263.0	665.9	289.5
		10	856.4	221.4	811.1	242.8	759.1	266.6	703.9	293.1
		12	904.1	225.1	855.2	246.4	800.7	270.4	742.9	297.0
		14	952.6	229.0	900.2	250.2	843.2	274.3	782.9	301.0
23	DCF079TR-12GYYY	6	808.5	226.0	769.1	249.7	721.5	275.3	669.5	303.8
		7	832.6	227.8	792.3	251.6	742.5	277.0	689.1	305.6
		8	857.1	229.7	815.0	253.3	763.8	278.8	709.1	307.4
		10	907.1	233.6	861.2	256.8	807.3	282.5	749.9	311.1
		12	958.4	237.6	908.4	260.5	851.9	286.3	791.8	315.0
		14	1010.6	241.7	956.6	264.3	897.5	290.3	834.9	319.0
24	DCF059DR-13DYV0	6	581.0	143.7	553.2	159.1	522.6	176.8	489.4	196.8
		7	598.5	144.7	570.0	160.1	538.6	177.8	504.6	197.9
		8	616.2	145.6	587.1	161.1	555.0	178.8	520.0	198.9
		10	652.4	147.6	622.0	163.1	588.4	180.9	551.5	201.0
		12	689.6	149.6	657.9	165.2	622.7	183.1	584.6	203.3
		14	727.6	151.7	694.6	167.4	657.7	185.2	618.2	205.6
25	DCF062DR-14DVV0	6	606.5	149.8	577.7	166.0	546.0	184.5	511.5	205.6
		7	624.7	150.8	595.2	167.0	562.7	185.5	527.3	206.7
		8	643.1	151.7	613.0	167.9	579.7	186.5	543.4	207.7
		10	680.7	153.6	649.2	169.9	614.5	188.6	576.5	209.9
		12	719.2	155.6	686.5	172.0	650.1	190.8	610.6	212.2
		14	758.6	157.6	724.6	174.1	686.9	193.0	645.8	214.5
26	DCF066DR-14FVW0	6	656.3	161.1	624.3	177.9	588.9	197.0	550.5	218.7
		7	675.9	162.2	643.1	179.1	606.8	198.2	567.4	219.9
		8	695.7	163.4	662.2	180.2	625.0	199.5	584.6	221.2
		10	736.3	165.7	701.2	182.7	661.8	201.9	619.7	223.8
		12	778.0	168.1	741.3	185.2	700.6	204.7	655.9	226.4
		14	820.7	170.5	781.9	187.7	739.8	207.3	693.7	229.3
27	DCF070DR-14FWW0	6	689.6	171.5	655.8	188.9	618.3	208.6	577.5	230.8
		7	710.0	172.8	675.4	190.3	636.9	210.0	594.9	232.3
		8	730.6	174.1	695.2	191.6	655.7	211.5	612.8	233.8
		10	772.8	176.8	735.8	194.5	693.5	214.2	648.9	236.7
		12	816.1	179.5	777.4	197.4	734.1	217.5	686.9	239.9
		14	860.2	182.2	818.8	200.0	774.4	220.4	725.9	243.1

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC High Airflow

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
28	DCF073TR-13GPPY	6	727.1	189.4	690.7	208.7	651.4	230.9	608.6	255.9
		7	748.7	190.9	711.7	210.3	671.1	232.5	627.2	257.5
		8	770.7	192.4	732.6	211.9	691.2	234.2	646.2	259.2
		10	814.9	195.4	775.7	215.1	732.3	237.6	685.2	262.7
		12	861.0	198.6	820.0	218.5	774.6	241.0	725.5	266.2
		14	908.2	201.9	865.5	221.9	818.2	244.6	766.2	269.5
29	DCF078TR-14GPYY	6	782.0	202.4	742.7	223.3	700.6	247.4	654.7	274.5
		7	805.1	203.9	765.3	224.9	722.0	249.1	675.0	276.3
		8	828.8	205.5	788.1	226.6	743.7	250.8	695.6	278.0
		10	877.7	208.9	834.9	230.1	788.3	254.4	737.9	281.6
		12	926.7	212.0	883.0	233.6	834.3	258.0	781.7	285.3
		14	977.9	215.6	932.4	237.3	881.6	261.8	826.3	288.9
30	DCF082TR-13HYYV	6	834.9	231.0	795.3	255.4	748.7	282.5	697.6	312.7
		7	859.2	232.8	818.9	257.3	770.6	284.3	717.9	314.4
		8	884.0	234.6	842.4	259.1	792.8	286.1	738.6	316.2
		10	934.7	238.3	890.1	262.7	838.1	289.8	780.9	319.8
		12	986.5	242.2	938.8	266.4	884.5	293.7	824.3	323.6
		14	1039.2	246.1	988.4	270.2	931.4	297.5	868.8	327.5
31	DCF085TR-14HYVV	6	861.2	236.1	820.5	261.2	774.2	289.5	723.3	321.4
		7	886.0	237.7	844.8	263.0	797.1	291.4	744.4	323.0
		8	911.5	239.5	869.3	264.8	820.4	293.3	765.9	324.8
		10	963.5	243.2	918.9	268.5	867.8	297.1	809.8	328.3
		12	1016.6	247.0	969.6	272.3	916.4	301.0	854.9	332.0
		14	1070.6	250.8	1021.3	276.2	965.0	304.7	901.2	335.8
32	DCF075TR-16GPPY	6	739.9	181.6	703.8	200.4	663.9	221.8	620.5	245.9
		7	762.0	182.9	725.0	201.8	684.0	223.2	639.5	247.4
		8	784.5	184.2	746.6	203.2	704.6	224.6	658.9	248.8
		10	830.3	187.0	790.7	206.0	746.6	227.6	697.8	251.6
		12	877.4	189.7	836.0	208.9	790.0	230.6	739.7	254.9
		14	925.6	192.6	882.5	211.9	834.6	233.8	781.9	258.1
33	DCF082TR-15GYYY	6	825.1	214.6	784.1	237.1	740.2	263.1	692.5	292.4
		7	849.9	216.2	808.0	238.8	762.9	264.9	714.0	294.2
		8	874.9	217.9	832.2	240.5	786.0	266.6	735.9	296.0
		10	926.1	221.2	881.6	244.0	833.2	270.2	780.8	299.7
		12	977.7	224.5	932.4	247.7	881.9	274.0	827.3	303.4
		14	1031.7	228.2	984.5	251.4	931.9	277.8	875.3	307.4

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC High Airflow

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
34	DCF085TR-16HYYV	6	850.1	220.3	809.5	243.6	765.2	270.6	716.8	301.0
		7	875.1	221.8	833.7	245.3	788.1	272.2	738.8	302.7
		8	900.5	223.4	858.6	247.0	811.6	273.9	761.1	304.5
		10	951.4	226.5	908.3	250.3	859.6	277.5	807.0	308.1
		12	1005.0	230.0	959.1	253.8	909.0	281.1	854.3	311.9
		14	1058.2	233.3	1011.5	257.4	959.6	284.9	903.0	315.7
35	DCF090TR-15HVVV	6	904.6	242.2	861.8	268.1	813.9	297.8	760.9	330.9
		7	931.4	244.0	887.5	270.0	838.5	299.7	783.4	332.6
		8	958.5	245.8	913.6	271.9	863.4	301.7	806.2	334.3
		10	1013.8	249.6	966.8	275.8	914.5	305.8	852.8	337.8
		12	1070.4	253.4	1021.5	279.8	965.9	309.6	900.8	341.5
		14	1128.2	257.3	1077.5	283.9	1017.8	313.3	950.0	345.4
36	DCF092TR-15HVVW	6	935.4	253.4	890.9	280.0	840.3	309.9	783.5	343.1
		7	962.8	255.4	917.2	282.0	865.1	312.0	806.3	344.9
		8	990.5	257.4	943.9	284.2	890.2	314.1	829.4	346.9
		10	1047.0	261.5	998.2	288.4	941.5	318.3	876.7	350.8
		12	1104.8	265.7	1053.3	292.6	993.4	322.5	925.3	354.9
		14	1163.7	269.9	1109.5	296.9	1045.9	326.6	975.1	359.2
37	DCF094TR-15HVWW	6	966.1	264.7	920.0	291.8	866.7	322.1	806.1	355.3
		7	994.1	266.8	946.9	294.1	891.6	324.3	829.2	357.3
		8	1022.5	269.0	974.2	296.4	916.9	326.5	852.7	359.4
		10	1080.3	273.5	1029.6	301.0	968.4	330.9	900.6	363.8
		12	1139.2	278.0	1085.0	305.4	1020.8	335.4	949.8	368.3
		14	1199.2	282.6	1141.5	309.9	1074.1	339.9	1000.3	373.0
38	DCF096TR-15HWWW	6	988.6	275.2	941.3	303.0	886.2	333.7	822.4	366.8
		7	1017.1	277.6	968.7	305.4	911.2	335.9	845.7	369.1
		8	1046.0	279.9	996.5	307.9	936.5	338.2	869.4	371.4
		10	1104.8	284.7	1053.1	313.0	988.1	342.8	917.8	376.1
		12	1164.7	289.6	1108.7	317.5	1040.8	347.6	967.5	381.0
		14	1225.6	294.5	1165.2	322.2	1094.6	352.6	1018.4	386.1
39	DCF080TR-17GPYY	6	794.9	194.5	755.9	214.9	713.1	238.2	666.6	264.4
		7	818.8	195.9	778.9	216.3	735.0	239.6	687.2	265.9
		8	843.1	197.3	802.3	217.8	757.2	241.1	708.3	267.5
		10	892.7	200.2	850.0	220.8	802.7	244.3	750.9	270.5
		12	943.7	203.2	899.1	223.9	848.8	247.2	795.5	273.7
		14	995.9	206.3	949.5	227.1	897.2	250.6	841.7	277.2

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC High Airflow

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
40	DCF085TR-18GYYY	6	837.5	206.7	797.0	228.7	752.4	253.8	704.0	282.2
		7	862.8	208.1	821.3	230.2	775.6	255.3	725.9	283.8
		8	888.3	209.6	845.9	231.7	799.0	256.9	748.2	285.4
		10	940.6	212.6	896.3	234.8	847.2	260.1	793.1	288.3
		12	994.3	215.7	948.0	238.0	895.4	263.0	840.5	291.8
		14	1049.2	219.0	1001.1	241.3	946.6	266.5	889.5	295.3
41	DCF088TR-17HYVV	6	875.5	226.0	834.2	250.1	788.8	277.9	738.9	309.4
		7	901.2	227.5	859.1	251.8	812.0	279.4	761.5	311.1
		8	927.2	229.1	884.4	253.5	836.1	281.2	784.5	312.9
		10	979.7	232.2	935.5	256.8	885.5	284.7	831.6	316.6
		12	1034.1	235.5	987.2	260.0	936.1	288.3	880.2	320.3
		14	1088.7	238.8	1040.8	263.6	988.0	292.0	930.2	324.1
42	DCF093TR-18HVVV	6	919.4	232.8	875.6	257.8	826.3	286.1	774.1	318.8
		7	946.6	234.4	901.8	259.4	852.2	288.1	797.9	320.6
		8	974.1	236.0	926.8	260.7	876.9	289.6	822.2	322.4
		10	1030.4	239.2	982.7	264.5	929.1	293.2	871.9	326.2
		12	1088.0	242.6	1037.3	267.7	982.7	296.9	923.2	330.0
		14	1146.7	246.0	1094.5	271.4	1037.8	300.8	976.1	334.0
43	DCF095TR-18HVVW	6	950.7	243.5	905.1	269.0	854.3	298.1	799.9	331.4
		7	978.5	245.2	932.0	270.8	880.5	300.2	824.3	333.4
		8	1006.8	247.0	958.2	272.4	906.1	302.0	849.0	335.4
		10	1063.9	250.5	1014.8	276.5	959.4	306.0	899.9	339.5
		12	1123.1	254.3	1071.0	280.2	1014.3	310.1	952.3	343.7
		14	1182.7	257.9	1129.3	284.2	1070.5	314.3	1006.1	348.0
44	DCF098TR-18HVWW	6	982.1	254.2	934.6	280.2	882.4	310.1	825.7	343.9
		7	1010.5	256.1	962.1	282.3	908.9	312.3	850.6	346.1
		8	1039.4	258.0	989.5	284.2	935.3	314.4	875.9	348.3
		10	1097.3	261.8	1046.9	288.5	989.8	318.8	927.8	352.8
		12	1158.2	265.9	1104.7	292.7	1045.8	323.3	981.4	357.5
		14	1218.6	269.9	1164.1	297.1	1103.1	327.9	1036.1	362.0
45	DCF100TR-18HWWW	6	1004.8	264.2	956.9	291.1	902.9	321.4	844.6	355.8
		7	1033.9	266.3	984.1	293.1	929.6	323.7	869.9	358.2
		8	1063.4	268.4	1012.5	295.3	956.8	326.1	895.6	360.6
		10	1123.2	272.7	1070.5	299.9	1012.2	330.9	948.3	365.4
		12	1183.1	276.8	1129.7	304.5	1069.1	335.7	1002.8	370.5
		14	1245.2	281.2	1190.0	309.2	1127.3	340.7	1058.5	375.4

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Performance Data EC High Airflow

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
46	DCF088TR-19HYYV	6	861.5	212.6	821.3	235.5	776.7	261.6	727.8	291.1
		7	887.1	214.1	845.9	236.9	800.2	263.0	750.2	292.7
		8	912.9	215.5	870.8	238.4	824.1	264.6	772.9	294.3
		10	965.5	218.4	921.8	241.4	872.9	267.7	819.0	297.3
		12	1019.3	221.4	973.9	244.5	923.1	270.9	867.1	300.7
		14	1073.8	224.5	1027.0	247.7	973.7	274.0	916.7	304.1
47	DCF090TR-20HYVV	6	886.3	218.7	845.3	242.3	799.7	269.3	749.7	299.9
		7	912.5	220.1	870.5	243.7	823.8	270.7	772.7	301.5
		8	938.9	221.5	896.0	245.2	848.3	272.3	796.0	303.1
		10	992.7	224.3	948.2	248.2	898.4	275.4	843.5	306.2
		12	1047.6	227.3	1001.5	251.2	949.8	278.6	892.1	309.3
		14	1103.2	230.3	1055.7	254.3	1002.0	281.8	943.6	313.0
48	DCF095TR-21HVVV	6	930.3	225.8	886.4	250.1	837.9	277.9	785.0	309.7
		7	957.9	227.2	913.1	251.6	863.4	279.4	809.1	311.2
		8	986.0	228.6	940.1	253.0	889.2	281.0	833.7	312.9
		10	1043.1	231.5	995.2	256.1	942.1	284.2	884.1	316.2
		12	1101.6	234.5	1051.9	259.2	996.6	287.5	934.9	319.2
		14	1161.4	237.6	1109.8	262.4	1052.5	290.9	988.7	322.8
49	DCF098TR-21HVVW	6	962.2	236.1	916.8	261.0	866.3	289.4	811.2	321.8
		7	990.5	237.6	944.2	262.7	892.5	291.2	835.9	323.5
		8	1019.3	239.2	971.8	264.3	918.9	292.9	861.1	325.4
		10	1077.7	242.4	1028.2	267.7	973.0	296.5	912.4	329.0
		12	1137.4	245.7	1086.1	271.2	1028.3	300.1	964.8	332.6
		14	1198.2	249.1	1145.1	274.8	1085.4	303.8	1019.7	336.5
50	DCF101TR-21HVWW	6	994.2	246.3	947.3	271.9	894.8	301.0	837.4	333.9
		7	1023.2	248.1	975.2	273.8	921.5	302.9	862.7	335.9
		8	1052.6	249.8	1003.5	275.6	948.6	304.8	888.4	337.9
		10	1112.3	253.4	1061.2	279.3	1003.9	308.8	940.7	341.8
		12	1173.2	257.0	1120.3	283.2	1060.0	312.6	994.7	345.9
		14	1235.0	260.6	1180.4	287.1	1118.3	316.8	1050.7	350.3
51	DCF103TR-21HWWW	6	1017.4	256.1	969.5	282.3	915.6	311.9	856.7	345.4
		7	1047.0	258.0	997.9	284.3	942.8	314.0	882.4	347.6
		8	1076.9	259.9	1026.8	286.3	970.3	316.1	908.5	349.7
		10	1137.7	263.7	1085.5	290.4	1026.6	320.4	961.3	353.9
		12	1199.6	267.6	1145.6	294.5	1083.2	324.5	1016.7	358.6
		14	1262.4	271.5	1206.6	298.7	1142.5	329.1	1073.6	363.3

1 Output kW refers to the chilled water duty (Based upon 20% Ethylene Glycol).
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCF Mechanical Data

Construction - Material / Colour		Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL7035)
Evaporator		Shell and Tube
Insulation		Class 1
Condenser		Epoxy Coated Aluminium Microchannel & Aluminium Fins
Face Area (Total)	m^2	2.38
Condenser Fan & Motor		Sickle Bladed Fan
Diameter	mm	800
Oil Type		Polyvinyl Ether
Refrigeration		
Refrigerant Control		Electronic Expansion Valve (EEV)
Connections		Grooved Terminations
Maximum System Operating Pressure	Bar	10

DCF Mechanical Data - Regular Quiet

			1 DCF046DR-07DXY0	2 DCF048DR-07DPY0	3 DCF051DR-08DPV0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	477.9	492.2	523.0
Nominal Input - Mechanical		kW	169.5	172.7	180.0
EER	(2)		2.69	2.72	2.77
ESEER			4.23	4.08	4.09
SEER			4.06	3.93	3.94
Nominal Output - Free Cooling		kW	355.0	358.0	400.8
Ambient temperature for 100% Free Cooling	(5)	°C	-1.2	-1.6	-0.7
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	474.8	488.9	520.1
Nominal Input - Mechanical		kW	168.9	172.1	179.2
EER	(2)		2.68	2.71	2.77
ESEER			4.22	4.07	4.08
SEER			4.05	3.92	3.93
Nominal Output - Free Cooling		kW	347.2	350.0	392.2
Ambient temperature for 100% Free Cooling	(5)	°C	-1.5	-1.8	-1
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	465.0	478.4	510.0
Nominal Input - Mechanical		kW	171.0	174.2	180.8
EER	(2)		2.60	2.63	2.69
ESEER			3.97	3.87	3.86
SEER			3.82	3.73	3.73
Nominal Output - Free Cooling		kW	324.1	326.3	366.6
Ambient temperature for 100% Free Cooling	(5)	°C	-2.3	-2.6	-1.8
Capacity Steps		%	15-35-50-70-85-100	25-45-65-85-100	25-45-60-80-100
Minimum Turndown Ratio			0.16	0.25	0.23
Dimensions (H x W x L)		mm	2682 x 2200 x 4846	2682 x 2200 x 4846	2682 x 2200 x 4846
Weight					
Machine	(3)	kg	4465	4345	4450
Operating		kg	5055	4930	5060
Water Volume (Total Internal)		l	590	585	610
Maximum Waterflow		l/s	35.1	35.1	35.1
Minimum Waterflow		l/s	8.0	13.4	13.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	42.8	42.8	48.9
Nominal Airflow - EC Fans		m³/s	41.1	41.1	47.0
Nominal Airflow - AC Fans		m³/s	36.6	36.6	41.8
Quantity			7	7	8
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio	Tandem + Trio	Tandem + Trio
Quantity of Compressors			6	5	5
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	24 + 30	24 + 31	24 + 34
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1424	2216	2216
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			4 DCF053DR-08DYY0	5 DCF049DR-09DXY0	6 DCF051DR-09DPY0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	536.1	496.6	513.0
Nominal Input - Mechanical		kW	188.1	161.1	164.5
EER	(2)		2.72	2.93	2.96
ESEER			4.20	4.47	4.35
SEER			4.04	4.30	4.20
Nominal Output - Free Cooling		kW	403.6	428.5	433.0
Ambient temperature for 100% Free Cooling	(5)	°C	-1	1	0.7
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	532.8	498.4	514.5
Nominal Input - Mechanical		kW	187.4	161.4	164.6
EER	(2)		2.71	2.93	2.97
ESEER			4.20	4.46	4.34
SEER			4.04	4.29	4.19
Nominal Output - Free Cooling		kW	394.8	421.2	425.3
Ambient temperature for 100% Free Cooling	(5)	°C	-1.2	0.7	0.4
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	522.5	491.4	506.7
Nominal Input - Mechanical		kW	189.4	161.5	164.7
EER	(2)		2.64	2.89	2.93
ESEER			3.94	4.09	4.03
SEER			3.80	3.96	3.91
Nominal Output - Free Cooling		kW	368.8	396.0	399.5
Ambient temperature for 100% Free Cooling	(5)	°C	-2.1	0.1	-0.3
Capacity Steps		%	20-35-55-70-85-100	15-35-50-70-85-100	25-45-65-85-100
Minimum Turndown Ratio			0.18	0.16	0.24
Dimensions (H x W x L)		mm	2682 x 2200 x 4846	2682 x 2200 x 5978	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	4580	5060	4940
Operating		kg	5190	5785	5660
Water Volume (Total Internal)		l	610	725	720
Maximum Waterflow		l/s	46.7	35.1	35.1
Minimum Waterflow		l/s	10.7	8.0	13.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	48.9	55.0	55.0
Nominal Airflow - EC Fans		m³/s	47.0	52.9	52.9
Nominal Airflow - AC Fans		m³/s	41.8	47.0	47.0
Quantity			8	9	9
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio	Trio + Trio	Tandem + Trio
Quantity of Compressors			6	6	5
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	28 + 31	27 + 32	28 + 33
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1781	1432	2276
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			7 DCF053DR-10DPV0	8 DCF055DR-09DYV0	9 DCF055DR-10DYY0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	539.8	566.3	553.0
Nominal Input - Mechanical		kW	171.8	195.5	180.0
EER	(2)		2.99	2.76	2.92
ESEER			4.35	4.21	4.40
SEER			4.20	4.05	4.24
Nominal Output - Free Cooling		kW	472.6	446.0	476.4
Ambient temperature for 100% Free Cooling	(5)	°C	1.2	-0.3	1
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	541.3	563.6	555.0
Nominal Input - Mechanical		kW	172.0	194.5	180.2
EER	(2)		2.99	2.76	2.93
ESEER			4.34	4.21	4.39
SEER			4.19	4.05	4.23
Nominal Output - Free Cooling		kW	464.6	436.7	468.3
Ambient temperature for 100% Free Cooling	(5)	°C	1	-0.5	0.7
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	535.6	553.6	547.4
Nominal Input - Mechanical		kW	172.5	196.0	180.4
EER	(2)		2.95	2.70	2.89
ESEER			4.03	3.93	4.03
SEER			3.91	3.80	3.91
Nominal Output - Free Cooling		kW	437.6	408.8	440.4
Ambient temperature for 100% Free Cooling	(5)	°C	0.3	-1.3	-0.0
Capacity Steps		%	25-40-60-80-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.23	0.17	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	5045	5110	5180
Operating		kg	5790	5830	5925
Water Volume (Total Internal)		l	745	720	745
Maximum Waterflow		l/s	35.1	46.7	46.7
Minimum Waterflow		l/s	13.4	10.7	10.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	61.1	55.0	61.1
Nominal Airflow - EC Fans		m³/s	58.8	52.9	58.8
Nominal Airflow - AC Fans		m³/s	52.3	47.0	52.3
Quantity			10	9	10
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Tandem + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			5	6	6
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	28 + 37	28 + 34	32 + 33
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	2276	1781	1789
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			10 DCF058DR-10DVV0	11 DCF062DR-10FVW0	12 DCF065DR-10FWW0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	596.5	639.0	666.7
Nominal Input - Mechanical		kW	202.8	216.6	229.3
EER	(2)		2.80	2.81	2.78
ESEER			4.25	4.30	4.24
SEER			4.09	4.14	4.08
Nominal Output - Free Cooling		kW	487.8	497.8	503.8
Ambient temperature for 100% Free Cooling	(5)	°C	0.3	-0.5	-0.9
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	594.4	635.4	662.6
Nominal Input - Mechanical		kW	201.7	215.4	228.1
EER	(2)		2.81	2.81	2.78
ESEER			4.24	4.30	4.23
SEER			4.08	4.13	4.07
Nominal Output - Free Cooling		kW	478.1	487.2	492.8
Ambient temperature for 100% Free Cooling	(5)	°C	-0.0	-0.7	-1.2
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	584.8	623.8	649.5
Nominal Input - Mechanical		kW	202.7	216.9	230.0
EER	(2)		2.75	2.75	2.70
ESEER			3.93	4.00	3.97
SEER			3.81	3.87	3.83
Nominal Output - Free Cooling		kW	448.4	455.8	460.4
Ambient temperature for 100% Free Cooling	(5)	°C	-0.7	-1.5	-2
Capacity Steps		%	20-35-50-70-85-100	15-35-50-70-85-100	20-35-55-70-85-100
Minimum Turndown Ratio			0.18	0.17	0.18
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	5245	5375	5405
Operating		kg	5995	6115	6145
Water Volume (Total Internal)		l	750	740	740
Maximum Waterflow		l/s	46.7	41.9	41.9
Minimum Waterflow		l/s	10.7	16.0	16.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	61.1	61.1	61.1
Nominal Airflow - EC Fans		m³/s	58.8	58.8	58.8
Nominal Airflow - AC Fans		m³/s	52.3	52.3	52.3
Quantity			10	10	10
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	33 + 34	35 + 36	35 + 36
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1934	1987	2209
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			13 DCF069TR-10GPPY	14 DCF051DR-11DXY0	15 DCF053DR-11DPY0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	701.5	505.9	522.8
Nominal Input - Mechanical		kW	249.9	154.4	157.7
EER	(2)		2.68	3.11	3.14
ESEER			4.03	4.65	4.55
SEER			3.88	4.48	4.40
Nominal Output - Free Cooling		kW	517.6	489.8	496.3
Ambient temperature for 100% Free Cooling	(5)	°C	-1.3	2.6	2.3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	696.8	506.4	523.5
Nominal Input - Mechanical		kW	249.1	154.7	158.0
EER	(2)		2.67	3.10	3.14
ESEER			4.02	4.65	4.54
SEER			3.87	4.48	4.39
Nominal Output - Free Cooling		kW	506.1	482.1	488.4
Ambient temperature for 100% Free Cooling	(5)	°C	-1.6	2.3	2.1
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	681.8	507.9	524.6
Nominal Input - Mechanical		kW	252.1	157.0	160.1
EER	(2)		2.59	3.06	3.11
ESEER			3.81	4.15	4.14
SEER			3.68	4.03	4.03
Nominal Output - Free Cooling		kW	471.9	458.6	463.9
Ambient temperature for 100% Free Cooling	(5)	°C	-2.4	1.7	1.4
Capacity Steps		%	15-35-50-60-75-90-100	15-35-50-70-85-100	25-40-65-85-100
Minimum Turndown Ratio			0.17	0.15	0.23
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	5730	5615	5495
Operating		kg	6650	6430	6305
Water Volume (Total Internal)		l	920	815	810
Maximum Waterflow		l/s	46.1	35.1	35.1
Minimum Waterflow		l/s	17.7	8.0	13.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	61.1	67.3	67.3
Nominal Airflow - EC Fans		m³/s	58.8	64.7	64.7
Nominal Airflow - AC Fans		m³/s	52.3	57.5	57.5
Quantity			10	11	11
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Tandem + Tandem + Trio	Trio + Trio	Tandem + Trio
Quantity of Compressors			7	6	5
Oil Charge Volume (Total)		l	2 x 5.3 + 2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	23 + 24 + 30	31 + 35	31 + 36
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	4361	1437	2287
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			16 DCF055DR-12DPV0	17 DCF057DR-12DYY0	18 DCF058DR-11DYV0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	549.3	562.3	579.5
Nominal Input - Mechanical		kW	165.5	173.2	187.3
EER	(2)		3.15	3.08	2.94
ESEER			4.54	4.55	4.40
SEER			4.39	4.39	4.24
Nominal Output - Free Cooling		kW	533.3	538.4	515.6
Ambient temperature for 100% Free Cooling	(5)	°C	2.6	2.4	1.5
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	549.6	563.0	581.4
Nominal Input - Mechanical		kW	165.7	173.5	187.6
EER	(2)		3.15	3.08	2.94
ESEER			4.54	4.55	4.39
SEER			4.38	4.39	4.23
Nominal Output - Free Cooling		kW	524.9	529.9	507.1
Ambient temperature for 100% Free Cooling	(5)	°C	2.4	2.2	1.2
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	552.1	564.1	575.9
Nominal Input - Mechanical		kW	168.5	175.8	188.3
EER	(2)		3.11	3.04	2.91
ESEER			4.13	4.09	4.02
SEER			4.02	3.97	3.90
Nominal Output - Free Cooling		kW	499.6	503.5	478.1
Ambient temperature for 100% Free Cooling	(5)	°C	1.7	1.5	0.5
Capacity Steps		%	20-40-60-80-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.22	0.17	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	5600	5755	5690
Operating		kg	6435	6595	6500
Water Volume (Total Internal)		l	835	840	810
Maximum Waterflow		l/s	35.1	46.7	46.7
Minimum Waterflow		l/s	13.4	10.7	10.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	73.4	73.4	67.3
Nominal Airflow - EC Fans		m³/s	70.5	70.5	64.7
Nominal Airflow - AC Fans		m³/s	62.7	62.7	57.5
Quantity			12	12	11
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Tandem + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			5	6	6
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	31 + 40	35 + 36	32 + 37
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	2287	1794	1789
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			19 DCF060DR-12DVV0	20 DCF065DR-12FVW0	21 DCF068DR-12FWW0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	605.9	652.7	684.3
Nominal Input - Mechanical		kW	194.5	208.5	221.4
EER	(2)		2.96	2.98	2.94
ESEER			4.40	4.47	4.40
SEER			4.25	4.30	4.24
Nominal Output - Free Cooling		kW	554.0	568.6	577.4
Ambient temperature for 100% Free Cooling	(5)	°C	1.8	1.2	0.7
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	607.8	654.9	686.5
Nominal Input - Mechanical		kW	195.0	208.9	221.7
EER	(2)		2.96	2.98	2.95
ESEER			4.40	4.46	4.39
SEER			4.24	4.29	4.23
Nominal Output - Free Cooling		kW	545.1	559.0	567.2
Ambient temperature for 100% Free Cooling	(5)	°C	1.6	0.9	0.4
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	604.4	647.4	675.8
Nominal Input - Mechanical		kW	196.1	209.3	221.7
EER	(2)		2.93	2.94	2.91
ESEER			4.00	4.07	4.04
SEER			3.88	3.95	3.92
Nominal Output - Free Cooling		kW	515.3	526.2	532.7
Ambient temperature for 100% Free Cooling	(5)	°C	0.9	0.2	-0.3
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	20-35-50-70-85-100
Minimum Turndown Ratio			0.17	0.16	0.18
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	5800	5930	6060
Operating		kg	6635	6760	7000
Water Volume (Total Internal)		l	835	830	940
Maximum Waterflow		l/s	46.7	41.9	41.9
Minimum Waterflow		l/s	10.7	16.0	16.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	73.4	73.4	73.4
Nominal Airflow - EC Fans		m³/s	70.5	70.5	70.5
Nominal Airflow - AC Fans		m³/s	62.7	62.7	62.7
Quantity			12	12	12
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	36 + 37	38 + 39	38 + 39
Water Inlet / Outlet - Unit			DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1940	1994	2217
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			22 DCF074TR-11GPYY	23 DCF079TR-12GYYY	24 DCF059DR-13DYV0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	759.1	807.3	588.4
Nominal Input - Mechanical		kW	266.6	282.5	180.9
EER	(2)		2.71	2.72	3.09
ESEER			4.09	4.21	4.54
SEER			3.94	4.05	4.38
Nominal Output - Free Cooling		kW	565.8	611.8	575.1
Ambient temperature for 100% Free Cooling	(5)	°C	-1.1	-0.9	2.7
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	754.1	802.3	589.1
Nominal Input - Mechanical		kW	265.6	281.3	181.3
EER	(2)		2.71	2.72	3.08
ESEER			4.09	4.21	4.54
SEER			3.93	4.04	4.37
Nominal Output - Free Cooling		kW	553.3	598.5	566.2
Ambient temperature for 100% Free Cooling	(5)	°C	-1.4	-1.1	2.5
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	738.5	786.6	591.2
Nominal Input - Mechanical		kW	268.7	284.3	184.2
EER	(2)		2.63	2.64	3.05
ESEER			3.86	3.95	4.07
SEER			3.72	3.81	3.95
Nominal Output - Free Cooling		kW	516.2	559.0	538.9
Ambient temperature for 100% Free Cooling	(5)	°C	-2.2	-1.9	1.8
Capacity Steps		%	15-30-40-55-65-80-90-100	10-25-35-50-60-70-80-90-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.16	0.12	0.16
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	6485	6720	6245
Operating		kg	7565	7825	7175
Water Volume (Total Internal)		l	1080	1105	930
Maximum Waterflow		l/s	46.1	46.1	46.7
Minimum Waterflow		l/s	17.7	17.7	10.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	67.3	73.4	79.5
Nominal Airflow - EC Fans		m³/s	64.7	70.5	76.4
Nominal Airflow - AC Fans		m³/s	57.5	62.7	67.9
Quantity			11	12	13
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio
Quantity of Compressors			8	9	6
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	24 + 30 + 31	28 + 30 + 31	35 + 39
Water Inlet / Outlet - Unit			DN150	DN150	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	5819	7057	1794
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			25 DCF062DR-14DVV0	26 DCF066DR-14FVW0	27 DCF070DR-14FWW0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	614.5	661.8	693.5
Nominal Input - Mechanical		kW	188.6	201.9	214.2
EER	(2)		3.09	3.11	3.08
ESEER			4.53	4.59	4.53
SEER			4.37	4.43	4.37
Nominal Output - Free Cooling		kW	611.3	630.3	641.8
Ambient temperature for 100% Free Cooling	(5)	°C	2.9	2.3	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	615.3	663.4	695.8
Nominal Input - Mechanical		kW	189.1	202.5	214.9
EER	(2)		3.09	3.11	3.08
ESEER			4.52	4.59	4.53
SEER			4.36	4.42	4.37
Nominal Output - Free Cooling		kW	602.1	620.6	631.7
Ambient temperature for 100% Free Cooling	(5)	°C	2.7	2.1	1.7
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	618.3	664.2	694.6
Nominal Input - Mechanical		kW	192.5	205.1	216.8
EER	(2)		3.05	3.07	3.05
ESEER			4.04	4.11	4.09
SEER			3.93	4.00	3.98
Nominal Output - Free Cooling		kW	574.0	589.3	598.3
Ambient temperature for 100% Free Cooling	(5)	°C	2	1.4	1
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.17	0.16	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	6355	6490	6635
Operating		kg	7315	7435	7715
Water Volume (Total Internal)		l	960	945	1080
Maximum Waterflow		l/s	46.7	41.9	41.9
Minimum Waterflow		l/s	10.7	16.0	16.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	85.6	85.6	85.6
Nominal Airflow - EC Fans		m³/s	82.3	82.3	82.3
Nominal Airflow - AC Fans		m³/s	73.2	73.2	73.2
Quantity			14	14	14
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	40 + 39	42 + 41	42 + 46
Water Inlet / Outlet - Unit			DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1944	1999	2223
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			28 DCF073TR-13GPPY	29 DCF078TR-14GPYY	30 DCF082TR-13HYYV
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	732.3	788.3	838.1
Nominal Input - Mechanical		kW	237.6	254.4	289.8
EER	(2)		2.93	2.94	2.75
ESEER			4.31	4.35	4.21
SEER			4.16	4.19	4.05
Nominal Output - Free Cooling		kW	627.2	675.1	655.0
Ambient temperature for 100% Free Cooling	(5)	°C	0.9	0.9	-0.4
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	734.6	790.8	833.9
Nominal Input - Mechanical		kW	237.8	254.6	288.5
EER	(2)		2.94	2.95	2.75
ESEER			4.31	4.34	4.20
SEER			4.15	4.18	4.04
Nominal Output - Free Cooling		kW	616.4	663.5	641.2
Ambient temperature for 100% Free Cooling	(5)	°C	0.7	0.6	-0.6
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	723.8	779.3	818.8
Nominal Input - Mechanical		kW	237.9	254.8	291.1
EER	(2)		2.90	2.91	2.68
ESEER			3.99	4.02	3.94
SEER			3.87	3.90	3.80
Nominal Output - Free Cooling		kW	579.3	623.5	599.8
Ambient temperature for 100% Free Cooling	(5)	°C	-0.0	-0.0	-1.4
Capacity Steps		%	15-35-45-60-75-90-100	15-30-40-55-65-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.16	0.15	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	6875	7145	7325
Operating		kg	8110	8390	8680
Water Volume (Total Internal)		l	1235	1245	1355
Maximum Waterflow		l/s	46.1	46.1	63.4
Minimum Waterflow		l/s	17.7	17.7	24.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	79.5	85.6	79.5
Nominal Airflow - EC Fans		m³/s	76.4	82.3	76.4
Nominal Airflow - AC Fans		m³/s	67.9	73.2	67.9
Quantity			13	14	13
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Tandem + Tandem + Trio	Tandem + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			7	8	9
Oil Charge Volume (Total)		l	2 x 5.3 + 2 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	26 + 29 + 33	27 + 34 + 34	31 + 33 + 37
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	4471	5893	7206
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			31 DCF085TR-14HYVV	32 DCF075TR-16GPPY	33 DCF082TR-15GYYY
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	867.8	746.6	833.2
Nominal Input - Mechanical		kW	297.1	227.6	270.2
EER	(2)		2.78	3.12	2.93
ESEER			4.22	4.51	4.41
SEER			4.06	4.36	4.24
Nominal Output - Free Cooling		kW	696.4	719.5	719.7
Ambient temperature for 100% Free Cooling	(5)	°C	0.0	2.5	1.1
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	864.2	747.4	836.2
Nominal Input - Mechanical		kW	295.6	228.0	270.7
EER	(2)		2.78	3.11	2.93
ESEER			4.21	4.50	4.40
SEER			4.05	4.35	4.24
Nominal Output - Free Cooling		kW	682.1	708.2	707.5
Ambient temperature for 100% Free Cooling	(5)	°C	-0.3	2.3	0.8
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	849.5	749.8	824.5
Nominal Input - Mechanical		kW	297.7	231.3	270.9
EER	(2)		2.72	3.08	2.89
ESEER			3.93	4.09	4.04
SEER			3.80	3.98	3.92
Nominal Output - Free Cooling		kW	638.9	673.5	665.2
Ambient temperature for 100% Free Cooling	(5)	°C	-1	1.6	0.1
Capacity Steps		%	10-25-35-45-60-70-80-90-100	15-30-45-60-75-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.11	0.16	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	7435	7455	7700
Operating		kg	8815	8865	9070
Water Volume (Total Internal)		l	1380	1410	1370
Maximum Waterflow		l/s	63.4	46.1	46.1
Minimum Waterflow		l/s	24.0	17.7	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	85.6	97.8	91.7
Nominal Airflow - EC Fans		m³/s	82.3	94.0	88.2
Nominal Airflow - AC Fans		m³/s	73.2	83.6	78.4
Quantity			14	16	15
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio + Trio	Tandem + Tandem + Trio	Trio + Trio + Trio
Quantity of Compressors			9	7	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	31 + 37 + 37	30 + 33 + 35	32 + 34 + 35
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	7355	4493	7176
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			34 DCF085TR-16HYYV	35 DCF090TR-15HVVV	36 DCF092TR-15HVVW
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	859.6	914.5	941.5
Nominal Input - Mechanical		kW	277.5	305.8	318.3
EER	(2)		2.94	2.84	2.81
ESEER			4.40	4.31	4.29
SEER			4.24	4.15	4.13
Nominal Output - Free Cooling		kW	759.3	741.8	748.6
Ambient temperature for 100% Free Cooling	(5)	°C	1.4	0.2	-0.1
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	862.5	910.5	936.8
Nominal Input - Mechanical		kW	278.0	303.9	316.5
EER	(2)		2.94	2.84	2.82
ESEER			4.39	4.30	4.28
SEER			4.23	4.14	4.12
Nominal Output - Free Cooling		kW	746.7	726.7	733.0
Ambient temperature for 100% Free Cooling	(5)	°C	1.1	-0.1	-0.4
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	853.3	895.5	920.5
Nominal Input - Mechanical		kW	278.7	305.6	318.6
EER	(2)		2.91	2.79	2.75
ESEER			4.02	3.99	3.98
SEER			3.90	3.86	3.85
Nominal Output - Free Cooling		kW	703.6	681.1	686.3
Ambient temperature for 100% Free Cooling	(5)	°C	0.4	-0.8	-1.1
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.11	0.12	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	7895	7885	7935
Operating		kg	9415	9360	9420
Water Volume (Total Internal)		l	1520	1475	1485
Maximum Waterflow		l/s	63.4	63.4	63.4
Minimum Waterflow		l/s	24.0	24.0	24.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	97.8	91.7	91.7
Nominal Airflow - EC Fans		m³/s	94.0	88.2	88.2
Nominal Airflow - AC Fans		m³/s	83.6	78.4	78.4
Quantity			16	15	15
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	34 + 37 + 40	37 + 39 + 40	37 + 39 + 40
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	7321	7866	8080
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			37 DCF094TR-15HVWW	38 DCF096TR-15HWWW	39 DCF080TR-17GPYY
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	968.4	988.1	802.7
Nominal Input - Mechanical		kW	330.9	342.8	244.3
EER	(2)		2.79	2.75	3.12
ESEER			4.26	4.18	4.53
SEER			4.09	4.02	4.38
Nominal Output - Free Cooling		kW	755.1	759.8	768.0
Ambient temperature for 100% Free Cooling	(5)	°C	-0.4	-0.7	2.4
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	963.1	982.1	803.9
Nominal Input - Mechanical		kW	329.1	341.1	244.7
EER	(2)		2.79	2.75	3.11
ESEER			4.25	4.18	4.53
SEER			4.09	4.02	4.37
Nominal Output - Free Cooling		kW	739.1	743.4	756.0
Ambient temperature for 100% Free Cooling	(5)	°C	-0.7	-0.9	2.2
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	945.5	963.5	805.4
Nominal Input - Mechanical		kW	331.6	343.9	248.0
EER	(2)		2.72	2.68	3.08
ESEER			3.96	3.92	4.12
SEER			3.83	3.79	4.00
Nominal Output - Free Cooling		kW	691.3	694.9	718.2
Ambient temperature for 100% Free Cooling	(5)	°C	-1.5	-1.7	1.5
Capacity Steps		%	10-25-35-45-60-70-80-90-100	10-25-35-50-60-70-80-90-100	15-25-40-55-65-80-90-100
Minimum Turndown Ratio			0.11	0.12	0.15
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	7965	7995	8090
Operating		kg	9450	9475	9590
Water Volume (Total Internal)		l	1485	1480	1500
Maximum Waterflow		l/s	63.4	83.7	46.1
Minimum Waterflow		l/s	24.0	32.1	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	91.7	91.7	103.9
Nominal Airflow - EC Fans		m³/s	88.2	88.2	99.9
Nominal Airflow - AC Fans		m³/s	78.4	78.4	88.8
Quantity			15	15	17
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Trio + Trio
Quantity of Compressors			9	9	8
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	37 + 39 + 40	37 + 39 + 40	31 + 37 + 38
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	8293	8589	5916
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			40 DCF085TR-18GYYY	41 DCF088TR-17HYVV	42 DCF093TR-18HVVV
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	847.2	885.5	929.1
Nominal Input - Mechanical		kW	260.1	284.7	293.2
EER	(2)		3.09	2.95	3.00
ESEER			4.56	4.39	4.47
SEER			4.40	4.23	4.31
Nominal Output - Free Cooling		kW	812.0	797.6	841.5
Ambient temperature for 100% Free Cooling	(5)	°C	2.4	1.6	1.7
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	848.2	888.3	932.0
Nominal Input - Mechanical		kW	260.5	285.3	293.9
EER	(2)		3.08	2.96	3.00
ESEER			4.55	4.39	4.46
SEER			4.39	4.23	4.30
Nominal Output - Free Cooling		kW	799.1	784.7	827.9
Ambient temperature for 100% Free Cooling	(5)	°C	2.2	1.4	1.4
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	849.7	881.3	926.0
Nominal Input - Mechanical		kW	263.9	286.5	295.4
EER	(2)		3.05	2.92	2.97
ESEER			4.09	4.00	4.05
SEER			3.98	3.89	3.94
Nominal Output - Free Cooling		kW	759.3	740.6	782.0
Ambient temperature for 100% Free Cooling	(5)	°C	1.5	0.7	0.7
Capacity Steps		%	10-25-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	8325	8385	8550
Operating		kg	9855	10015	10200
Water Volume (Total Internal)		l	1530	1630	1650
Maximum Waterflow		l/s	46.1	63.4	63.4
Minimum Waterflow		l/s	17.7	24.0	24.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	110.1	103.9	110.1
Nominal Airflow - EC Fans		m³/s	105.8	99.9	105.8
Nominal Airflow - AC Fans		m³/s	94.1	88.8	94.1
Quantity			18	17	18
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	35 + 37 + 38	35 + 40 + 41	40 + 42 + 43
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	7253	7469	7962
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			43 DCF095TR-18HVVW	44 DCF098TR-18HVWW	45 DCF100TR-18HWWW
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	959.4	989.8	1012.2
Nominal Input - Mechanical		kW	306.0	318.8	330.9
EER	(2)		2.98	2.95	2.92
ESEER			4.45	4.42	4.34
SEER			4.29	4.26	4.18
Nominal Output - Free Cooling		kW	851.3	860.6	867.2
Ambient temperature for 100% Free Cooling	(5)	°C	1.4	1.1	0.9
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	962.6	993.3	1015.8
Nominal Input - Mechanical		kW	306.6	319.3	331.4
EER	(2)		2.98	2.96	2.92
ESEER			4.44	4.41	4.33
SEER			4.28	4.25	4.18
Nominal Output - Free Cooling		kW	837.3	846.2	852.4
Ambient temperature for 100% Free Cooling	(5)	°C	1.2	0.9	0.6
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	953.5	981.1	1001.1
Nominal Input - Mechanical		kW	307.6	319.8	331.4
EER	(2)		2.94	2.92	2.88
ESEER			4.05	4.03	3.99
SEER			3.93	3.91	3.87
Nominal Output - Free Cooling		kW	789.3	796.3	801.1
Ambient temperature for 100% Free Cooling	(5)	°C	0.5	0.2	-0.0
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	8580	8610	8635
Operating		kg	10230	10260	10285
Water Volume (Total Internal)		l	1650	1650	1650
Maximum Waterflow		l/s	63.4	63.4	83.7
Minimum Waterflow		l/s	24.0	24.0	32.1
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	110.1	110.1	110.1
Nominal Airflow - EC Fans		m³/s	105.8	105.8	105.8
Nominal Airflow - AC Fans		m³/s	94.1	94.1	94.1
Quantity			18	18	18
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	40 + 42 + 43	40 + 42 + 43	40 + 42 + 43
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	8177	8392	8706
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			46 DCF088TR-19HYYV	47 DCF090TR-20HYVV	48 DCF095TR-21HVVV
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	872.9	898.4	942.1
Nominal Input - Mechanical		kW	267.7	275.4	284.2
EER	(2)		3.09	3.09	3.14
ESEER			4.54	4.53	4.59
SEER			4.38	4.37	4.43
Nominal Output - Free Cooling		kW	848.9	884.9	928.5
Ambient temperature for 100% Free Cooling	(5)	°C	2.6	2.8	2.8
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	874.0	899.6	942.4
Nominal Input - Mechanical		kW	268.3	276.0	284.6
EER	(2)		3.09	3.09	3.13
ESEER			4.54	4.52	4.59
SEER			4.38	4.37	4.43
Nominal Output - Free Cooling		kW	835.7	871.4	914.0
Ambient temperature for 100% Free Cooling	(5)	°C	2.4	2.6	2.6
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	876.6	903.2	947.7
Nominal Input - Mechanical		kW	272.3	280.6	289.8
EER	(2)		3.05	3.05	3.09
ESEER			4.07	4.05	4.10
SEER			3.96	3.94	3.99
Nominal Output - Free Cooling		kW	795.1	830.0	871.1
Ambient temperature for 100% Free Cooling	(5)	°C	1.7	1.9	1.9
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 11638	2682 x 2200 x 11638	2682 x 2200 x 12770
Weight					
Machine	(3)	kg	8820	8950	9435
Operating		kg	10590	10750	11335
Water Volume (Total Internal)		l	1770	1800	1900
Maximum Waterflow		l/s	63.4	63.4	63.4
Minimum Waterflow		l/s	24.0	24.0	24.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	116.2	122.3	128.4
Nominal Airflow - EC Fans		m³/s	111.7	117.6	123.4
Nominal Airflow - AC Fans		m³/s	99.3	104.5	109.7
Quantity			19	20	21
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	38 + 39 + 45	38 + 43 + 45	45 + 44 + 48
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	7394	7541	8012
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data - Regular Quiet

			49 DCF098TR-21HVVW	50 DCF101TR-21HVWW	51 DCF103TR-21HWWW
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	973.0	1003.9	1026.6
Nominal Input - Mechanical		kW	296.5	308.8	320.4
EER	(2)		3.11	3.09	3.05
ESEER			4.58	4.54	4.47
SEER			4.41	4.38	4.31
Nominal Output - Free Cooling		kW	941.2	953.3	961.8
Ambient temperature for 100% Free Cooling	(5)	°C	2.5	2.3	2.1
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	973.8	1005.3	1028.5
Nominal Input - Mechanical		kW	297.0	309.3	321.1
EER	(2)		3.11	3.09	3.05
ESEER			4.57	4.54	4.46
SEER			4.41	4.38	4.31
Nominal Output - Free Cooling		kW	926.4	938.1	946.4
Ambient temperature for 100% Free Cooling	(5)	°C	2.3	2.1	1.9
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	977.0	1006.3	1027.7
Nominal Input - Mechanical		kW	301.5	313.1	324.2
EER	(2)		3.07	3.05	3.02
ESEER			4.09	4.08	4.03
SEER			3.98	3.97	3.92
Nominal Output - Free Cooling		kW	881.2	890.7	897.2
Ambient temperature for 100% Free Cooling	(5)	°C	1.6	1.4	1.2
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770
Weight					
Machine	(3)	kg	9460	9490	9520
Operating		kg	11360	11390	11420
Water Volume (Total Internal)		l	1900	1900	1900
Maximum Waterflow		l/s	63.4	63.4	83.7
Minimum Waterflow		l/s	24.0	24.0	32.1
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	128.4	128.4	128.4
Nominal Airflow - EC Fans		m³/s	123.4	123.4	123.4
Nominal Airflow - AC Fans		m³/s	109.7	109.7	109.7
Quantity			21	21	21
Maximum Speed - High Airflow EC Fans		rpm	1080	1080	1080
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	904	904	904
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	8228	8444	8789
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			52 DCF047DX-09DXY0	53 DCF049DX-09DPY0	54 DCF051DX-10DPV0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	471.8	485.7	514.8
Nominal Input - Mechanical		kW	162.7	165.9	172.9
EER	(2)		2.77	2.80	2.85
ESEER			4.49	4.32	4.32
SEER			4.30	4.15	4.15
Nominal Output - Free Cooling		kW	338.2	340.3	374.2
Ambient temperature for 100% Free Cooling	(5)	°C	-1.8	-2.2	-1.6
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	472.0	485.9	515.0
Nominal Input - Mechanical		kW	166.0	169.3	176.6
EER	(2)		2.71	2.74	2.79
ESEER			4.14	4.05	4.04
SEER			3.98	3.91	3.90
Nominal Output - Free Cooling		kW	338.7	340.9	374.8
Ambient temperature for 100% Free Cooling	(5)	°C	-1.8	-2.2	-1.5
Capacity Steps		%	15-35-50-70-85-100	25-45-65-85-100	25-45-65-85-100
Minimum Turndown Ratio			0.16	0.25	0.23
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	5215	5095	5200
Operating		kg	5940	5815	5945
Water Volume (Total Internal)		l	725	720	745
Maximum Waterflow		l/s	35.1	35.1	35.1
Minimum Waterflow		l/s	8.0	13.4	13.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	36.0	36.0	40.0
Nominal Airflow - AC Fans		m³/s	36.1	36.1	40.1
Quantity			9	9	10
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio	Tandem + Trio	Tandem + Trio
Quantity of Compressors			6	5	5
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	27 + 32	28 + 33	28 + 37
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1437	2243	2243
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			55 DCF053DX-10DYY0	56 DCF049DX-11DXY0	57 DCF051DX-11DPY0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	526.0	492.1	507.6
Nominal Input - Mechanical		kW	181.6	154.3	157.5
EER	(2)		2.77	3.03	3.07
ESEER			4.41	4.66	4.54
SEER			4.23	4.48	4.37
Nominal Output - Free Cooling		kW	376.0	396.2	399.9
Ambient temperature for 100% Free Cooling	(5)	°C	-1.8	-0.0	-0.3
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	526.2	492.3	507.7
Nominal Input - Mechanical		kW	185.4	158.4	161.6
EER	(2)		2.71	2.95	2.99
ESEER			4.08	4.23	4.18
SEER			3.93	4.09	4.05
Nominal Output - Free Cooling		kW	376.6	396.8	400.6
Ambient temperature for 100% Free Cooling	(5)	°C	-1.8	0.1	-0.3
Capacity Steps		%	20-35-55-70-85-100	15-35-50-70-85-100	25-45-65-85-100
Minimum Turndown Ratio			0.18	0.16	0.24
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	5335	5770	5650
Operating		kg	6080	6585	6460
Water Volume (Total Internal)		l	745	815	810
Maximum Waterflow		l/s	46.7	35.1	35.1
Minimum Waterflow		l/s	10.7	8.0	13.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	40.0	44.0	44.0
Nominal Airflow - AC Fans		m³/s	40.1	44.1	44.1
Quantity			10	11	11
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio	Trio + Trio	Tandem + Trio
Quantity of Compressors			6	6	5
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	32 + 33	31 + 35	31 + 36
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1795	1443	2296
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			58 DCF053DX-12DPV0	59 DCF055DX-11DYV0	60 DCF055DX-12DYY0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	535.0	554.7	546.4
Nominal Input - Mechanical		kW	165.1	188.6	173.1
EER	(2)		3.08	2.81	3.01
ESEER			4.53	4.41	4.56
SEER			4.37	4.23	4.39
Nominal Output - Free Cooling		kW	431.8	409.6	434.6
Ambient temperature for 100% Free Cooling	(5)	°C	0.1	-1.3	-0.1
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	535.2	555.0	546.6
Nominal Input - Mechanical		kW	169.6	192.7	177.6
EER	(2)		3.00	2.75	2.93
ESEER			4.16	4.06	4.16
SEER			4.04	3.92	4.03
Nominal Output - Free Cooling		kW	432.5	410.2	435.2
Ambient temperature for 100% Free Cooling	(5)	°C	0.1	-1.3	-0.1
Capacity Steps		%	25-45-65-80-100	15-35-50-70-85-100	20-35-50-70-85-100
Minimum Turndown Ratio			0.23	0.17	0.18
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	5755	5820	5885
Operating		kg	6590	6630	6720
Water Volume (Total Internal)		l	835	810	835
Maximum Waterflow		l/s	35.1	46.7	46.7
Minimum Waterflow		l/s	13.4	10.7	10.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	48.0	44.0	48.0
Nominal Airflow - AC Fans		m³/s	48.1	44.1	48.1
Quantity			12	11	12
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Tandem + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			5	6	6
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	31 + 40	32 + 37	35 + 36
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	2296	1795	1801
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			61 DCF058DX-12DVV0	62 DCF062DX-12FVW0	63 DCF065DX-12FWW0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	583.5	622.1	647.6
Nominal Input - Mechanical		kW	195.6	209.9	223.1
EER	(2)		2.85	2.83	2.78
ESEER			4.41	4.47	4.41
SEER			4.24	4.29	4.24
Nominal Output - Free Cooling		kW	442.7	449.7	453.8
Ambient temperature for 100% Free Cooling	(5)	°C	-0.9	-1.7	-2.2
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	583.7	622.3	647.9
Nominal Input - Mechanical		kW	200.1	214.4	227.6
EER	(2)		2.79	2.77	2.73
ESEER			4.05	4.12	4.09
SEER			3.92	3.98	3.94
Nominal Output - Free Cooling		kW	443.4	450.5	454.5
Ambient temperature for 100% Free Cooling	(5)	°C	-0.9	-1.6	-2.2
Capacity Steps		%	20-35-55-70-85-100	15-35-55-70-85-100	20-35-55-70-85-100
Minimum Turndown Ratio			0.18	0.17	0.18
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	5955	6085	6115
Operating		kg	6790	6915	6945
Water Volume (Total Internal)		l	835	830	830
Maximum Waterflow		l/s	46.7	41.9	41.9
Minimum Waterflow		l/s	10.7	16.0	16.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	48.0	48.0	48.0
Nominal Airflow - AC Fans		m³/s	48.1	48.1	48.1
Quantity			12	12	12
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	36 + 37	38 + 39	38 + 39
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1944	1999	2225
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			64 DCF050DX-13DXY0	65 DCF053DX-13DPY0	66 DCF055DX-14DPV0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	506.0	522.6	549.2
Nominal Input - Mechanical		kW	149.2	152.3	160.3
EER	(2)		3.22	3.26	3.25
ESEER			4.79	4.70	4.68
SEER			4.62	4.54	4.53
Nominal Output - Free Cooling		kW	446.1	451.6	481.8
Ambient temperature for 100% Free Cooling	(5)	°C	1.3	1.1	1.3
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	506.2	522.8	549.3
Nominal Input - Mechanical		kW	154.1	157.3	165.6
EER	(2)		3.11	3.15	3.15
ESEER			4.28	4.26	4.25
SEER			4.16	4.14	4.13
Nominal Output - Free Cooling		kW	446.7	452.2	482.5
Ambient temperature for 100% Free Cooling	(5)	°C	1.3	1.1	1.3
Capacity Steps		%	15-35-50-70-85-100	25-40-65-85-100	20-40-65-80-100
Minimum Turndown Ratio			0.15	0.24	0.22
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	6325	6205	6310
Operating		kg	7255	7135	7265
Water Volume (Total Internal)		l	930	930	955
Maximum Waterflow		l/s	35.1	35.1	35.1
Minimum Waterflow		l/s	8.0	13.4	13.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	52.0	52.0	56.0
Nominal Airflow - AC Fans		m³/s	52.1	52.1	56.1
Quantity			13	13	14
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio	Tandem + Trio	Tandem + Trio
Quantity of Compressors			6	5	5
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	34 + 38	35 + 38	35 + 42
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1446	2305	2305
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			67 DCF057DX-13DYV0	68 DCF057DX-14DYY0	69 DCF060DX-14DVV0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	573.5	560.9	600.6
Nominal Input - Mechanical		kW	180.7	167.7	188.4
EER	(2)		3.02	3.18	3.04
ESEER			4.54	4.67	4.53
SEER			4.38	4.51	4.36
Nominal Output - Free Cooling		kW	466.2	485.7	497.5
Ambient temperature for 100% Free Cooling	(5)	°C	0.2	1.1	0.5
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	573.7	561.0	600.8
Nominal Input - Mechanical		kW	185.6	173.0	193.6
EER	(2)		2.94	3.08	2.95
ESEER			4.14	4.21	4.11
SEER			4.01	4.09	3.99
Nominal Output - Free Cooling		kW	466.9	486.4	498.3
Ambient temperature for 100% Free Cooling	(5)	°C	0.2	1.1	0.5
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.17	0.17	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	6400	6465	6510
Operating		kg	7330	7425	7470
Water Volume (Total Internal)		l	930	960	960
Maximum Waterflow		l/s	46.7	46.7	46.7
Minimum Waterflow		l/s	10.7	10.7	10.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	52.0	56.0	56.0
Nominal Airflow - AC Fans		m³/s	52.1	56.1	56.1
Quantity			13	14	14
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	35 + 39	39 + 38	40 + 39
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1801	1804	1952
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			70 DCF064DX-14FVW0	71 DCF068DX-14FWW0	72 DCF069TX-13GPPY
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	642.7	670.6	694.1
Nominal Input - Mechanical		kW	201.8	214.3	239.5
EER	(2)		3.03	2.99	2.77
ESEER			4.60	4.54	4.26
SEER			4.43	4.37	4.10
Nominal Output - Free Cooling		kW	508.2	514.4	494.0
Ambient temperature for 100% Free Cooling	(5)	°C	-0.2	-0.7	-1.9
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	642.9	670.8	694.4
Nominal Input - Mechanical		kW	207.1	219.6	244.3
EER	(2)		2.96	2.92	2.72
ESEER			4.19	4.16	4.00
SEER			4.06	4.03	3.86
Nominal Output - Free Cooling		kW	509.0	515.2	494.8
Ambient temperature for 100% Free Cooling	(5)	°C	-0.2	-0.7	-1.9
Capacity Steps		%	15-35-50-70-85-100	20-35-55-70-85-100	15-35-50-60-75-90-100
Minimum Turndown Ratio			0.17	0.18	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	6645	6790	7130
Operating		kg	7590	7865	8365
Water Volume (Total Internal)		l	945	1075	1235
Maximum Waterflow		l/s	41.9	41.9	46.1
Minimum Waterflow		l/s	16.0	16.0	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	56.0	56.0	52.0
Nominal Airflow - AC Fans		m³/s	56.1	56.1	52.1
Quantity			14	14	13
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio	Trio + Trio	Tandem + Tandem + Trio
Quantity of Compressors			6	6	7
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	42 + 41	42 + 41	26 + 29 + 33
Water Inlet / Outlet - Unit			DN125	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	2006	2232	4413
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			73 DCF075TX-14GPYY	74 DCF059DX-15DYV0	75 DCF061DX-16DVV0
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	747.6	587.1	613.3
Nominal Input - Mechanical		kW	256.6	175.6	183.5
EER	(2)		2.78	3.18	3.18
ESEER			4.32	4.65	4.63
SEER			4.15	4.49	4.47
Nominal Output - Free Cooling		kW	531.8	515.8	545.7
Ambient temperature for 100% Free Cooling	(5)	°C	-1.9	1.3	1.5
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	747.9	587.3	613.5
Nominal Input - Mechanical		kW	261.8	181.3	189.6
EER	(2)		2.73	3.08	3.07
ESEER			4.03	4.18	4.15
SEER			3.89	4.06	4.03
Nominal Output - Free Cooling		kW	532.6	516.5	546.5
Ambient temperature for 100% Free Cooling	(5)	°C	-1.9	1.3	1.5
Capacity Steps		%	15-30-40-55-65-80-90-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.16	0.16	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	7400	6885	6995
Operating		kg	8645	7955	8090
Water Volume (Total Internal)		l	1245	1070	1095
Maximum Waterflow		l/s	46.1	46.7	46.7
Minimum Waterflow		l/s	17.7	10.7	10.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	56.0	60.0	64.0
Nominal Airflow - AC Fans		m³/s	56.1	60.1	64.1
Quantity			14	15	16
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Tandem + Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			8	6	6
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	27 + 34 + 34	39 + 42	44 + 42
Water Inlet / Outlet - Unit			DN150	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	5873	1804	1955
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			76 DCF066DX-16FVW0	77 DCF069DX-16FWW0	78 DCF073TX-16GPPY
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	658.1	687.8	725.9
Nominal Input - Mechanical		kW	196.3	208.3	227.2
EER	(2)		3.19	3.15	3.04
ESEER			4.70	4.64	4.49
SEER			4.53	4.48	4.33
Nominal Output - Free Cooling		kW	560.4	569.0	581.4
Ambient temperature for 100% Free Cooling	(5)	°C	0.9	0.4	-0.0
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	658.3	688.0	726.2
Nominal Input - Mechanical		kW	202.4	214.3	233.2
EER	(2)		3.09	3.06	2.97
ESEER			4.23	4.21	4.13
SEER			4.11	4.08	4.00
Nominal Output - Free Cooling		kW	561.2	569.9	582.3
Ambient temperature for 100% Free Cooling	(5)	°C	0.9	0.5	-0.0
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-45-60-75-90-100
Minimum Turndown Ratio			0.16	0.17	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	7125	7265	7710
Operating		kg	8215	8480	9115
Water Volume (Total Internal)		l	1090	1215	1405
Maximum Waterflow		l/s	41.9	41.9	46.1
Minimum Waterflow		l/s	16.0	16.0	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	64.0	64.0	64.0
Nominal Airflow - AC Fans		m³/s	64.1	64.1	64.1
Quantity			16	16	16
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio	Trio + Trio	Tandem + Tandem + Trio
Quantity of Compressors			6	6	7
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	46 + 44	46 + 44	30 + 33 + 35
Water Inlet / Outlet - Unit			DN125	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	2010	2236	4512
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			79 DCF079TX-15GYYY	80 DCF082TX-16HYYV	81 DCF078TX-17GPYY
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	792.0	821.7	779.6
Nominal Input - Mechanical		kW	272.8	279.8	244.0
EER	(2)		2.77	2.80	3.04
ESEER			4.42	4.41	4.52
SEER			4.24	4.23	4.36
Nominal Output - Free Cooling		kW	568.0	602.1	619.7
Ambient temperature for 100% Free Cooling	(5)	°C	-1.8	-1.4	-0.1
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	792.3	822.0	779.9
Nominal Input - Mechanical		kW	278.4	285.8	250.4
EER	(2)		2.72	2.74	2.96
ESEER			4.08	4.07	4.16
SEER			3.94	3.93	4.03
Nominal Output - Free Cooling		kW	568.9	603.1	620.6
Ambient temperature for 100% Free Cooling	(5)	°C	-1.8	-1.4	-0.1
Capacity Steps		%	10-25-35-50-60-70-80-90-100	10-25-35-45-60-70-80-90-100	15-30-40-55-65-80-90-100
Minimum Turndown Ratio			0.12	0.12	0.16
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	7955	8150	8345
Operating		kg	9325	9665	9845
Water Volume (Total Internal)		l	1370	1515	1500
Maximum Waterflow		l/s	46.1	63.4	46.1
Minimum Waterflow		l/s	17.7	24.0	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	60.0	64.0	68.0
Nominal Airflow - AC Fans		m³/s	60.1	64.1	68.1
Quantity			15	16	17
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Trio + Trio
Quantity of Compressors			9	9	8
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	32 + 34 + 35	34 + 37 + 40	31 + 37 + 38
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	7101	7249	5939
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			82 DCF082TX-18GYYY	83 DCF085TX-17HYVV	84 DCF089TX-18HVVV
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	822.9	850.0	893.4
Nominal Input - Mechanical		kW	259.9	286.7	294.9
EER	(2)		3.01	2.83	2.88
ESEER			4.56	4.40	4.48
SEER			4.39	4.23	4.30
Nominal Output - Free Cooling		kW	655.3	635.1	671.0
Ambient temperature for 100% Free Cooling	(5)	°C	-0.1	-1.1	-1
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	823.2	850.3	893.7
Nominal Input - Mechanical		kW	266.7	293.1	301.7
EER	(2)		2.93	2.77	2.82
ESEER			4.17	4.06	4.11
SEER			4.03	3.92	3.97
Nominal Output - Free Cooling		kW	656.3	636.1	672.0
Ambient temperature for 100% Free Cooling	(5)	°C	-0.1	-1.1	-1
Capacity Steps		%	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.12	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	8580	8635	8780
Operating		kg	10110	10270	10425
Water Volume (Total Internal)		l	1530	1635	1645
Maximum Waterflow		l/s	46.1	63.4	63.4
Minimum Waterflow		l/s	17.7	24.0	24.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	72.0	68.0	72.0
Nominal Airflow - AC Fans		m³/s	72.1	68.1	72.1
Quantity			18	17	18
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	35 + 37 + 38	35 + 40 + 41	40 + 42 + 43
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	7198	7398	7890
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			85 DCF092TX-18HVVW	86 DCF094TX-18HVWW	87 DCF096TX-18HWWW
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	918.1	942.9	960.8
Nominal Input - Mechanical		kW	308.0	321.2	333.6
EER	(2)		2.84	2.81	2.76
ESEER			4.46	4.42	4.35
SEER			4.28	4.25	4.18
Nominal Output - Free Cooling		kW	675.8	680.3	683.3
Ambient temperature for 100% Free Cooling	(5)	°C	-1.4	-1.7	-1.9
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	918.5	943.3	961.2
Nominal Input - Mechanical		kW	314.8	327.9	340.3
EER	(2)		2.78	2.75	2.71
ESEER			4.10	4.08	4.03
SEER			3.96	3.94	3.89
Nominal Output - Free Cooling		kW	676.9	681.4	684.4
Ambient temperature for 100% Free Cooling	(5)	°C	-1.3	-1.7	-1.9
Capacity Steps		%	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-50-60-70-80-90-100
Minimum Turndown Ratio			0.12	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	8835	8860	8890
Operating		kg	10485	10510	10540
Water Volume (Total Internal)		l	1650	1650	1650
Maximum Waterflow		l/s	63.4	63.4	83.7
Minimum Waterflow		l/s	24.0	24.0	32.1
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	72.0	72.0	72.0
Nominal Airflow - AC Fans		m³/s	72.1	72.1	72.1
Quantity			18	18	18
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	40 + 42 + 43	40 + 42 + 43	40 + 42 + 43
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	8105	8320	8614
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			88 DCF074TX-19GPPY	89 DCF079TX-20GPYY	90 DCF085TX-19HYYV
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	747.5	801.8	850.4
Nominal Input - Mechanical		kW	219.7	236.1	267.6
EER	(2)		3.23	3.22	3.02
ESEER			4.65	4.68	4.55
SEER			4.50	4.52	4.38
Nominal Output - Free Cooling		kW	656.6	696.1	687.4
Ambient temperature for 100% Free Cooling	(5)	°C	1.3	1.1	0.1
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	747.7	802.0	850.7
Nominal Input - Mechanical		kW	226.9	243.7	274.7
EER	(2)		3.13	3.12	2.94
ESEER			4.21	4.24	4.15
SEER			4.10	4.12	4.02
Nominal Output - Free Cooling		kW	657.6	697.1	688.5
Ambient temperature for 100% Free Cooling	(5)	°C	1.3	1.1	0.1
Capacity Steps		%	15-30-45-60-75-90-100	15-25-40-55-65-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.16	0.15	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 11638	2682 x 2200 x 11638	2682 x 2200 x 11638
Weight					
Machine	(3)	kg	8625	8885	9075
Operating		kg	10275	10550	10845
Water Volume (Total Internal)		l	1650	1665	1770
Maximum Waterflow		l/s	46.1	46.1	63.4
Minimum Waterflow		l/s	17.7	17.7	24.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	76.0	80.0	76.0
Nominal Airflow - AC Fans		m³/s	76.1	80.2	76.1
Quantity			19	20	19
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Tandem + Tandem + Trio	Tandem + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			7	8	9
Oil Charge Volume (Total)		l	2 x 5.3 + 2 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	33 + 35 + 40	34 + 39 + 42	38 + 39 + 45
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	4527	5954	7341
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			91 DCF088TX-20HYVV	92 DCF084TX-21GYYY	93 DCF087TX-22HYYV
FreeCooling			Y	Y	Y
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			3	3	3
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	877.0	844.9	871.0
Nominal Input - Mechanical		kW	275.1	251.7	259.6
EER	(2)		3.03	3.18	3.18
ESEER			4.53	4.68	4.66
SEER			4.37	4.52	4.50
Nominal Output - Free Cooling		kW	718.7	731.8	762.1
Ambient temperature for 100% Free Cooling	(5)	°C	0.3	1.1	1.2
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	877.3	845.1	871.3
Nominal Input - Mechanical		kW	282.7	259.7	267.9
EER	(2)		2.95	3.09	3.08
ESEER			4.13	4.21	4.19
SEER			4.00	4.09	4.07
Nominal Output - Free Cooling		kW	719.7	732.9	763.2
Ambient temperature for 100% Free Cooling	(5)	°C	0.3	1.1	1.2
Capacity Steps		%	10-25-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 11638	2682 x 2200 x 12770	2682 x 2200 x 12770
Weight					
Machine	(3)	kg	9180	9460	9675
Operating		kg	10975	11235	11610
Water Volume (Total Internal)		l	1795	1775	1935
Maximum Waterflow		l/s	63.4	46.1	63.4
Minimum Waterflow		l/s	24.0	17.7	24.0
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	80.0	83.9	87.9
Nominal Airflow - AC Fans		m³/s	80.2	84.2	88.2
Quantity			20	21	22
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	38 + 43 + 45	39 + 39 + 42	41 + 42 + 49
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	7488	7265	7406
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Mechanical Data Extra Quiet

			94 DCF092TX-21HVVV	95 DCF095TX-21HVVW	96 DCF097TX-21HVWW	97 DCF099TX-21HWWW
FreeCooling			Y	Y	Y	Y
Enhance Capital Allowance			N	N	N	N
Number of Refrigeration Circuits			3	3	3	3
Cooling Duty - High Airflow EC Fans						
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A	N/A
ESEER			N/A	N/A	N/A	N/A
SEER			N/A	N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A
Cooling Duty - EC Fans						
Nominal Output - Mechanical	(1)	kW	920.1	947.0	974.0	993.6
Nominal Input - Mechanical		kW	283.8	296.2	308.7	320.4
EER	(2)		3.07	3.04	3.01	2.97
ESEER			4.60	4.58	4.55	4.47
SEER			4.43	4.41	4.38	4.31
Nominal Output - Free Cooling		kW	754.2	761.3	767.9	772.5
Ambient temperature for 100% Free Cooling	(5)	°C	0.3	-0.0	-0.3	-0.5
Cooling Duty - AC Fans						
Nominal Output - Mechanical	(1)	kW	920.4	947.4	974.4	994.0
Nominal Input - Mechanical		kW	291.7	304.2	316.6	328.3
EER	(2)		2.99	2.96	2.93	2.89
ESEER			4.18	4.17	4.15	4.10
SEER			4.05	4.04	4.02	3.97
Nominal Output - Free Cooling		kW	755.4	762.5	769.1	773.7
Ambient temperature for 100% Free Cooling	(5)	°C	0.3	-0.0	-0.3	-0.5
Capacity Steps		%	10-25-35-45-60-70-80-90-100	10-25-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.12	0.11	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770
Weight						
Machine	(3)	kg	9690	9715	9745	9775
Operating		kg	11585	11615	11645	11670
Water Volume (Total Internal)		l	1895	1900	1900	1895
Maximum Waterflow		l/s	63.4	63.4	63.4	83.7
Minimum Waterflow		l/s	24.0	24.0	24.0	32.1
Face Area (Total)		m²	2.38	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	83.9	83.9	83.9	83.9
Nominal Airflow - AC Fans		m³/s	84.2	84.2	84.2	84.2
Quantity			21	21	21	21
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725	725
Maximum Speed - AC Fans		rpm	714	714	714	714
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration Charge (Total)		kg	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System						
Minimum System Water Volume	(4)	l	7971	8188	8405	8715
Maximum System Operating Pressure		Bar	10	10	10	10

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCF Electrical Data

The following electrical data tables have been reduced in size. This reduction is size is for common electrical features.

Mains supply voltage 400V 3PH 50Hz

Maximum mains incoming Cable size Direct to Bus bar
Recommended Permanent Fuse size 16 Amps
Permanent mains supply 230 Volts 1 Ph 50 Hz
Maximum permanent incoming cable size 10 mm²
Control Circuit 24V / 230V AC

External evaporator/ pipe work trace heating available (fitted by others) 500 Watts.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			1 DCF046DR-07DXY0	2 DCF048DR-07DPY0	3 DCF051DR-08DPV0
Nominal Run Amps	(1)	A	298.2	304.8	333.9
Maximum Start Amps		A	534.8	540.1	569.2
Recommended Mains Fuse Size		A	315	355	355
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)			0.0	0	0
Quantity			7	7	8
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			7	7	8
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			7	7	8
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	37.1 / 47.5	59.2 / 47.5	59.2 / 55.2
Quantity			3 + 3	2 + 3	2 + 3
Motor Rating		kW	23.5 / 29.6	36.2 / 29.6	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	210 / 287	298 / 287	298 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	279.7	281.5	301.9
Reactive power reduction/saving	(4)	kVAr	33.2	40.4	53.1
Maximum Start Amps		A	516.3	516.8	537.2
Recommended Mains Fuse Size		A	315	355	355
Electronic Soft-start					
Nominal Run Amps		A	298.2	304.8	333.9
Maximum Start Amps		A	420.0	420.9	450.0
Recommended Mains Fuse		A	315	355	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	279.7	281.5	301.9
Maximum Start Amps		A	401.5	397.6	418.0
Recommended Mains Fuse Size		A	315.0	355.0	355.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	14.8
Unit Nominal Run Amps		A	312.8	319.5	348.6
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	8.4	8.4	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	326.5	333.2	362.4
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	16.4	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	13.9
Unit Nominal Run Amps		A	309.3	315.8	344.7
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	8.6	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	320.0	326.3	354.9
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			4 DCF053DR-08DYY0	5 DCF049DR-09DXY0	6 DCF051DR-09DPY0
Nominal Run Amps	(1)	A	334.5	306.2	312.9
Maximum Start Amps		A	571.1	542.8	548.2
Recommended Mains Fuse Size		A	355	355	355
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			8	9	9
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			8	9	9
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)			2.6	2.6	2.6
Quantity			8	9	9
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5	37.1 / 47.5	59.2 / 47.5
Quantity			3 + 3	3 + 3	2 + 3
Motor Rating		kW	29.6 / 29.6	23.5 / 29.6	36.2 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287	210 / 287	298 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	311.5	285.8	287.6
Reactive power reduction/saving	(4)	kVAr	40.7	36.3	43.5
Maximum Start Amps		A	548.1	522.4	522.9
Recommended Mains Fuse Size		A	355	355	355
Electronic Soft-start					
Nominal Run Amps		A	334.5	306.2	312.9
Maximum Start Amps		A	456.3	428.0	429.0
Recommended Mains Fuse		A	355	355	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	311.5	285.8	287.6
Maximum Start Amps		A	433.3	407.6	403.7
Recommended Mains Fuse Size		A	355.0	355.0	355.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	14.8
Unit Nominal Run Amps		A	349.2	320.9	327.7
Recommended Mains Fuse Size		A	400	355	355
Motor Rating		kW	8.4	8.4	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	21.2	21.2
Unit Nominal Run Amps		A	362.9	327.3	334.1
Recommended Mains Fuse Size		A	400	355	355
Motor Rating		kW	16.4	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	13.9
Unit Nominal Run Amps		A	345.6	317.3	323.9
Recommended Mains Fuse Size		A	400	355	355
Motor Rating		kW	8.6	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	19.8	19.8
Unit Nominal Run Amps		A	356.1	322.2	328.6
Recommended Mains Fuse Size		A	400	355	355
Motor Rating		kW	16.8	12.4	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			7 DCF053DR-10DPV0	8 DCF055DR-09DYV0	9 DCF055DR-10DYY0
Nominal Run Amps	(1)	A	342.1	363.4	342.6
Maximum Start Amps		A	577.4	591.8	579.2
Recommended Mains Fuse Size		A	400	400	400
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			10	9	10
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			10	9	10
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			10	9	10
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 55.2	47.5 / 55.2	47.5 / 47.5
Quantity			2 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 33.1	29.6 / 33.1	29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 267	287 / 267	287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	308.0	331.8	317.5
Reactive power reduction/saving	(4)	kVAr	56.2	53.5	43.8
Maximum Start Amps		A	543.3	560.2	554.1
Recommended Mains Fuse Size		A	400	400	400
Electronic Soft-start					
Nominal Run Amps		A	342.1	363.4	342.6
Maximum Start Amps		A	458.2	477.0	464.4
Recommended Mains Fuse		A	400	400	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	308.0	331.8	317.5
Maximum Start Amps		A	424.1	445.4	439.3
Recommended Mains Fuse Size		A	400.0	400.0	400.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	363.3	384.5	363.7
Recommended Mains Fuse Size		A	400	450	400
Motor Rating		kW	12.1	12.1	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	370.6	391.8	371.0
Recommended Mains Fuse Size		A	400	450	400
Motor Rating		kW	16.4	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	357.5	379.0	358.4
Recommended Mains Fuse Size		A	400	450	400
Motor Rating		kW	12.4	12.4	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	363.1	384.6	364.1
Recommended Mains Fuse Size		A	400	450	400
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			10 DCF058DR-10DVV0	11 DCF062DR-10FVW0	12 DCF065DR-10FWW0
Nominal Run Amps	(1)	A	392.7	404.7	416.9
Maximum Start Amps		A	601.1	640.0	652.2
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)			0.0	0	0
Quantity			10	10	10
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			10	10	10
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			10	10	10
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267	267 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	352.2	366.3	380.4
Reactive power reduction/saving	(4)	kVAr	66.2	63.9	61.6
Maximum Start Amps		A	560.6	601.6	615.7
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	392.7	404.7	416.9
Maximum Start Amps		A	494.3	520.8	533.0
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	352.2	366.3	380.4
Maximum Start Amps		A	453.8	482.4	496.5
Recommended Mains Fuse Size		A	450.0	450.0	450.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	28.5
Unit Nominal Run Amps		A	413.8	425.9	445.3
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	12.1	12.1	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	35.0
Unit Nominal Run Amps		A	421.2	433.2	451.8
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	16.4	16.4	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	26.9
Unit Nominal Run Amps		A	408.0	420.2	438.0
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	12.4	12.4	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	33.2
Unit Nominal Run Amps		A	413.5	425.7	443.0
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	16.8	16.8	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			13 DCF069TR-10GPPY	14 DCF051DR-11DXY0	15 DCF053DR-11DPY0
Nominal Run Amps	(1)	A	442.4	314.3	321.1
Maximum Start Amps		A	677.7	550.9	556.4
Recommended Mains Fuse Size		A	500	355	355
Evaporator					
Immersion Heater Rating		W	250	170	170
Condenser Fan - Per Fan (AC)					
Quantity			10	11	11
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			10	11	11
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			10	11	11
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 59.2 / 47.5	37.1 / 47.5	59.2 / 47.5
Quantity			2 + 2 + 3	3 + 3	2 + 3
Motor Rating		kW	36.2 / 36.2 / 29.6	23.5 / 29.6	36.2 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 287	210 / 287	298 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	407.3	291.9	293.7
Reactive power reduction/saving	(4)	kVAr	60.4	39.4	46.6
Maximum Start Amps		A	642.6	528.5	529.0
Recommended Mains Fuse Size		A	500	355	355
Electronic Soft-start					
Nominal Run Amps		A	442.4	314.3	321.1
Maximum Start Amps		A	558.5	436.1	437.2
Recommended Mains Fuse		A	500	355	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	407.3	291.9	293.7
Maximum Start Amps		A	523.4	413.7	409.8
Recommended Mains Fuse Size		A	500.0	355.0	355.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	14.8	14.8
Unit Nominal Run Amps		A	470.8	329.0	335.8
Recommended Mains Fuse Size		A	500	355	355
Motor Rating		kW	16.4	8.4	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	21.2	21.2
Unit Nominal Run Amps		A	477.3	335.4	342.2
Recommended Mains Fuse Size		A	500	355	400
Motor Rating		kW	20.3	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	13.9	13.9
Unit Nominal Run Amps		A	463.7	325.4	332.0
Recommended Mains Fuse Size		A	500	355	355
Motor Rating		kW	16.8	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	19.8	19.8
Unit Nominal Run Amps		A	468.7	330.2	336.7
Recommended Mains Fuse Size		A	500	355	400
Motor Rating		kW	20.7	12.4	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			16 DCF055DR-12DPV0	17 DCF057DR-12DYY0	18 DCF058DR-11DYV0
Nominal Run Amps	(1)	A	350.4	350.7	371.6
Maximum Start Amps		A	585.7	587.3	600.0
Recommended Mains Fuse Size		A	400	400	400
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			12	12	11
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			12	12	11
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			12	12	11
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 55.2	47.5 / 47.5	47.5 / 55.2
Quantity			2 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 33.1	29.6 / 29.6	29.6 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 267	287 / 287	287 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	314.0	323.6	337.9
Reactive power reduction/saving	(4)	kVAr	59.3	46.9	56.6
Maximum Start Amps		A	549.3	560.2	566.3
Recommended Mains Fuse Size		A	400	400	400
Electronic Soft-start					
Nominal Run Amps		A	350.4	350.7	371.6
Maximum Start Amps		A	466.5	472.5	485.2
Recommended Mains Fuse		A	400	400	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	314.0	323.6	337.9
Maximum Start Amps		A	430.1	445.4	451.5
Recommended Mains Fuse Size		A	400.0	400.0	400.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	21.2	21.2
Unit Nominal Run Amps		A	365.1	371.8	392.7
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	8.4	12.1	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	28.5	28.5
Unit Nominal Run Amps		A	371.5	379.1	400.0
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	12.1	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	19.8	19.8
Unit Nominal Run Amps		A	361.0	366.5	387.1
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	8.6	12.4	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	26.9	26.9
Unit Nominal Run Amps		A	365.7	372.1	392.7
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	12.4	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			19 DCF060DR-12DVV0	20 DCF065DR-12FVW0	21 DCF068DR-12FWW0
Nominal Run Amps	(1)	A	400.9	413.0	425.1
Maximum Start Amps		A	609.3	648.3	660.4
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			12	12	12
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			12	12	12
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			12	12	12
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267	267 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	358.3	372.4	386.5
Reactive power reduction/saving	(4)	kVAr	69.3	67.0	64.7
Maximum Start Amps		A	566.7	607.7	621.8
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	400.9	413.0	425.1
Maximum Start Amps		A	502.5	529.1	541.2
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	358.3	372.4	386.5
Maximum Start Amps		A	459.9	488.5	502.6
Recommended Mains Fuse Size		A	450.0	450.0	450.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	422.1	434.1	446.2
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	12.1	12.1	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	429.4	441.4	453.5
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	16.4	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	416.2	428.4	440.6
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	12.4	12.4	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	421.7	433.9	446.2
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			22 DCF074TR-11GPYY	23 DCF079TR-12GYYY	24 DCF059DR-13DYV0
Nominal Run Amps	(1)	A	472.0	501.7	379.8
Maximum Start Amps		A	707.3	738.3	608.2
Recommended Mains Fuse Size		A	500	560	400
Evaporator					
Immersion Heater Rating		W	250	250	170
Condenser Fan - Per Fan (AC)					
Quantity			11	12	13
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			11	12	13
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			11	12	13
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 47.5 / 47.5	47.5 / 47.5 / 47.5	47.5 / 55.2
Quantity			2 + 3 + 3	3 + 3 + 3	3 + 3
Motor Rating		kW	36.2 / 29.6 / 29.6	29.6 / 29.6 / 29.6	29.6 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 287 / 287	287 / 287 / 287	287 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	437.3	467.2	344.0
Reactive power reduction/saving	(4)	kVAr	60.7	61.0	59.7
Maximum Start Amps		A	672.6	703.8	572.4
Recommended Mains Fuse Size		A	500	560	400
Electronic Soft-start					
Nominal Run Amps		A	472.0	501.7	379.8
Maximum Start Amps		A	588.1	623.5	493.4
Recommended Mains Fuse		A	500	560	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	437.3	467.2	344.0
Maximum Start Amps		A	553.4	589.0	457.6
Recommended Mains Fuse Size		A	500.0	560.0	400.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	21.2
Unit Nominal Run Amps		A	500.4	530.1	400.9
Recommended Mains Fuse Size		A	560	560	450
Motor Rating		kW	16.4	16.4	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	28.5
Unit Nominal Run Amps		A	506.9	536.6	408.2
Recommended Mains Fuse Size		A	560	560	450
Motor Rating		kW	20.3	20.3	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	19.8
Unit Nominal Run Amps		A	493.5	523.3	395.3
Recommended Mains Fuse Size		A	560	560	450
Motor Rating		kW	16.8	16.8	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	26.9
Unit Nominal Run Amps		A	498.5	528.3	400.8
Recommended Mains Fuse Size		A	560	560	450
Motor Rating		kW	20.7	20.7	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			25 DCF062DR-14DVV0	26 DCF066DR-14FVW0	27 DCF070DR-14FWW0
Nominal Run Amps	(1)	A	409.2	421.2	433.3
Maximum Start Amps		A	617.6	656.5	668.6
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			14	14	14
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			14	14	14
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			14	14	14
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267	267 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	364.3	378.5	392.6
Reactive power reduction/saving	(4)	kVAr	72.4	70.1	67.8
Maximum Start Amps		A	572.7	613.8	627.9
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	409.2	421.2	433.3
Maximum Start Amps		A	510.8	537.3	549.4
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	364.3	378.5	392.6
Maximum Start Amps		A	465.9	494.6	508.7
Recommended Mains Fuse Size		A	450.0	450.0	500.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	430.4	442.4	454.4
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	12.1	12.1	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	437.7	449.7	461.7
Recommended Mains Fuse Size		A	500	500	500
Motor Rating		kW	16.4	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	424.4	436.5	448.7
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	12.4	12.4	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	429.9	442.1	454.3
Recommended Mains Fuse Size		A	500	500	500
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			28 DCF073TR-13GPPY	29 DCF078TR-14GPYY	30 DCF082TR-13HYYV
Nominal Run Amps	(1)	A	454.6	484.2	530.6
Maximum Start Amps		A	689.9	719.5	759.0
Recommended Mains Fuse Size		A	500	560	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			13	14	13
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			13	14	13
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			13	14	13
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 59.2 / 47.5	59.2 / 47.5 / 47.5	47.5 / 47.5 / 55.2
Quantity			2 + 2 + 3	2 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2 / 29.6	36.2 / 29.6 / 29.6	29.6 / 29.6 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 287	298 / 287 / 287	287 / 287 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	416.5	446.4	487.6
Reactive power reduction/saving	(4)	kVAr	65.1	65.4	73.8
Maximum Start Amps		A	651.8	681.7	716.0
Recommended Mains Fuse Size		A	500	560	560
Electronic Soft-start					
Nominal Run Amps		A	454.6	484.2	530.6
Maximum Start Amps		A	570.7	600.3	644.2
Recommended Mains Fuse		A	500	560	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	416.5	446.4	487.6
Maximum Start Amps		A	532.6	562.5	601.2
Recommended Mains Fuse Size		A	500.0	560.0	560.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	28.5	28.5
Unit Nominal Run Amps		A	475.7	512.6	559.0
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	12.1	16.4	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	35.0	35.0
Unit Nominal Run Amps		A	483.0	519.1	565.5
Recommended Mains Fuse Size		A	560	560	630
Motor Rating		kW	16.4	20.3	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	26.9	26.9
Unit Nominal Run Amps		A	470.2	505.6	551.8
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	12.4	16.8	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	33.2	33.2
Unit Nominal Run Amps		A	475.8	510.6	556.8
Recommended Mains Fuse Size		A	560	560	630
Motor Rating		kW	16.8	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			31 DCF085TR-14HYVV	32 DCF075TR-16GPPY	33 DCF082TR-15GYYY
Nominal Run Amps	(1)	A	559.7	466.9	513.9
Maximum Start Amps		A	788.1	702.2	750.5
Recommended Mains Fuse Size		A	630	500	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			14	16	15
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			14	16	15
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			14	16	15
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 55.2 / 55.2	59.2 / 59.2 / 47.5	47.5 / 47.5 / 47.5
Quantity			3 + 3 + 3	2 + 2 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 33.1 / 33.1	36.2 / 36.2 / 29.6	29.6 / 29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 267 / 267	298 / 298 / 287	287 / 287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	507.9	425.6	476.3
Reactive power reduction/saving	(4)	kVAr	86.6	69.7	65.7
Maximum Start Amps		A	736.3	660.9	712.9
Recommended Mains Fuse Size		A	630	500	560
Electronic Soft-start					
Nominal Run Amps		A	559.7	466.9	513.9
Maximum Start Amps		A	673.3	583.0	635.7
Recommended Mains Fuse		A	630	500	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	507.9	425.6	476.3
Maximum Start Amps		A	621.5	541.7	598.1
Recommended Mains Fuse Size		A	630.0	500.0	560.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	21.2	28.5
Unit Nominal Run Amps		A	588.1	488.0	542.3
Recommended Mains Fuse Size		A	630	560	560
Motor Rating		kW	16.4	12.1	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	28.5	35.0
Unit Nominal Run Amps		A	594.6	495.3	548.8
Recommended Mains Fuse Size		A	630	560	630
Motor Rating		kW	20.3	16.4	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	19.8	26.9
Unit Nominal Run Amps		A	580.7	482.4	535.3
Recommended Mains Fuse Size		A	630	560	560
Motor Rating		kW	16.8	12.4	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	26.9	33.2
Unit Nominal Run Amps		A	585.6	488.0	540.4
Recommended Mains Fuse Size		A	630	560	630
Motor Rating		kW	20.7	16.8	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			34 DCF085TR-16HYYV	35 DCF090TR-15HVVV	36 DCF092TR-15HVVW
Nominal Run Amps	(1)	A	542.8	589.0	601.1
Maximum Start Amps		A	771.2	797.4	836.4
Recommended Mains Fuse Size		A	630	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			16	15	15
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			16	15	15
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			16	15	15
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 55.2	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 33.1	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 267	267 / 267 / 267	267 / 267 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	496.7	528.3	542.4
Reactive power reduction/saving	(4)	kVAr	78.5	99.3	97.0
Maximum Start Amps		A	725.1	736.7	777.7
Recommended Mains Fuse Size		A	630	630	630
Electronic Soft-start					
Nominal Run Amps		A	542.8	589.0	601.1
Maximum Start Amps		A	656.4	690.6	717.2
Recommended Mains Fuse		A	630	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	496.7	528.3	542.4
Maximum Start Amps		A	610.3	629.9	658.5
Recommended Mains Fuse Size		A	630.0	630.0	630.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	571.2	617.5	629.5
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	16.4	16.4	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	35.0
Unit Nominal Run Amps		A	577.7	624.0	636.0
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	20.3	20.3	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	564.0	609.8	621.9
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	16.8	16.8	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	33.2
Unit Nominal Run Amps		A	569.0	614.7	626.9
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	20.7	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			37 DCF094TR-15HVWW	38 DCF096TR-15HWWW	39 DCF080TR-17GPYY
Nominal Run Amps	(1)	A	613.2	625.3	496.4
Maximum Start Amps		A	848.5	860.6	731.7
Recommended Mains Fuse Size		A	670	670	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			15	15	17
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			15	15	17
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			15	15	17
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2	59.2 / 47.5 / 47.5
Quantity			3 + 3 + 3	3 + 3 + 3	2 + 3 + 3
Motor Rating		kW	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2	36.2 / 29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 298 / 298	298 / 298 / 298	298 / 287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	556.5	570.7	455.5
Reactive power reduction/saving	(4)	kVAr	94.7	92.4	70.0
Maximum Start Amps		A	791.8	806.0	690.8
Recommended Mains Fuse Size		A	670	670	560
Electronic Soft-start					
Nominal Run Amps		A	613.2	625.3	496.4
Maximum Start Amps		A	729.3	741.4	612.5
Recommended Mains Fuse		A	670	670	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	556.5	570.7	455.5
Maximum Start Amps		A	672.6	686.8	571.6
Recommended Mains Fuse Size		A	670.0	670.0	560.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	35.0	28.5
Unit Nominal Run Amps		A	641.6	660.3	524.9
Recommended Mains Fuse Size		A	670	710	560
Motor Rating		kW	16.4	20.3	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	41.5	35.0
Unit Nominal Run Amps		A	648.1	666.7	531.4
Recommended Mains Fuse Size		A	670	710	560
Motor Rating		kW	20.3	23.9	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	33.2	26.9
Unit Nominal Run Amps		A	634.2	651.4	517.7
Recommended Mains Fuse Size		A	670	710	560
Motor Rating		kW	16.8	20.7	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	39.2	33.2
Unit Nominal Run Amps		A	639.1	656.1	522.7
Recommended Mains Fuse Size		A	670	710	560
Motor Rating		kW	20.7	24.4	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			40 DCF085TR-18GYYY	41 DCF088TR-17HYVV	42 DCF093TR-18HVVV
Nominal Run Amps	(1)	A	526.0	572.0	601.4
Maximum Start Amps		A	762.6	800.4	809.8
Recommended Mains Fuse Size		A	560	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			18	17	18
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			18	17	18
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			18	17	18
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 47.5	47.5 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 29.6	29.6 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 287	287 / 267 / 267	267 / 267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	485.4	517.0	537.4
Reactive power reduction/saving	(4)	kVAr	70.3	91.2	104.0
Maximum Start Amps		A	722.0	745.4	745.8
Recommended Mains Fuse Size		A	560	630	630
Electronic Soft-start					
Nominal Run Amps		A	526.0	572.0	601.4
Maximum Start Amps		A	647.8	685.6	703.0
Recommended Mains Fuse		A	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	485.4	517.0	537.4
Maximum Start Amps		A	607.2	630.6	639.0
Recommended Mains Fuse Size		A	560.0	630.0	630.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	554.5	600.5	629.9
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	16.4	16.4	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	35.0
Unit Nominal Run Amps		A	560.9	607.0	636.4
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	20.3	20.3	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	547.4	592.9	622.1
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	16.8	16.8	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	33.2
Unit Nominal Run Amps		A	552.4	597.8	627.0
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	20.7	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			43 DCF095TR-18HVVW	44 DCF098TR-18HVWW	45 DCF100TR-18HWWW
Nominal Run Amps	(1)	A	613.4	625.5	637.6
Maximum Start Amps		A	848.7	860.8	872.9
Recommended Mains Fuse Size		A	670	670	670
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			18	18	18
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			18	18	18
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)					
Quantity			18	18	18
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267 / 298	267 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	551.5	565.7	579.8
Reactive power reduction/saving	(4)	kVAr	101.7	99.4	97.1
Maximum Start Amps		A	786.8	801.0	815.1
Recommended Mains Fuse Size		A	670	670	670
Electronic Soft-start					
Nominal Run Amps		A	613.4	625.5	637.6
Maximum Start Amps		A	729.5	741.6	753.7
Recommended Mains Fuse		A	670	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	551.5	565.7	579.8
Maximum Start Amps		A	667.6	681.8	695.9
Recommended Mains Fuse Size		A	670.0	670.0	670.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	35.0
Unit Nominal Run Amps		A	641.9	653.9	672.6
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	16.4	16.4	20.3
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	41.5
Unit Nominal Run Amps		A	648.4	660.4	679.0
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	20.3	20.3	23.9
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	33.2
Unit Nominal Run Amps		A	634.2	646.4	663.6
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	16.8	16.8	20.7
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	39.2
Unit Nominal Run Amps		A	639.1	651.3	668.3
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	20.7	20.7	24.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			46 DCF088TR-19HYYV	47 DCF090TR-20HYVV	48 DCF095TR-21HVVV
Nominal Run Amps	(1)	A	555.1	584.3	613.8
Maximum Start Amps		A	783.5	812.7	822.2
Recommended Mains Fuse Size		A	630	630	670
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			19	20	21
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			19	20	21
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)			2.6	2.6	2.6
Quantity			19	20	21
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 55.2	47.5 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 33.1	29.6 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 267	287 / 267 / 267	267 / 267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	505.8	526.1	546.5
Reactive power reduction/saving	(4)	kVAr	83.1	95.9	108.6
Maximum Start Amps		A	734.2	754.5	754.9
Recommended Mains Fuse Size		A	630	630	670
Electronic Soft-start					
Nominal Run Amps		A	555.1	584.3	613.8
Maximum Start Amps		A	668.7	697.9	715.4
Recommended Mains Fuse		A	630	630	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	505.8	526.1	546.5
Maximum Start Amps		A	619.4	639.7	648.1
Recommended Mains Fuse Size		A	630.0	630.0	670.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	583.5	612.8	642.3
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	16.4	16.4	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	35.0
Unit Nominal Run Amps		A	590.0	619.3	648.8
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	20.3	20.3	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	576.2	605.2	634.4
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	16.8	16.8	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	33.2
Unit Nominal Run Amps		A	581.1	610.1	639.3
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	20.7	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data - Regular Quiet

ELECTRICAL DATA Unit Data			49 DCF098TR-21HVVW	50 DCF101TR-21HVWW	51 DCF103TR-21HWWW
Nominal Run Amps	(1)	A	625.8	637.8	649.9
Maximum Start Amps		A	861.1	873.1	885.2
Recommended Mains Fuse Size		A	670	670	710
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			21	21	21
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			21	21	21
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Condenser Fan - Per Fan (EC+)			2.6	2.6	2.6
Quantity			21	21	21
Full Load Amps		A	4.5	4.5	4.5
Motor Rating		kW	2.9	2.9	2.9
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267 / 298	267 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	560.6	574.8	588.9
Reactive power reduction/saving	(4)	kVAr	106.3	104.0	101.8
Maximum Start Amps		A	795.9	810.1	824.2
Recommended Mains Fuse Size		A	670	670	710
Electronic Soft-start					
Nominal Run Amps		A	625.8	637.8	649.9
Maximum Start Amps		A	741.9	753.9	766.0
Recommended Mains Fuse		A	670	670	710
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	560.6	574.8	588.9
Maximum Start Amps		A	676.7	690.9	705.0
Recommended Mains Fuse Size		A	670.0	670.0	710.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	35.0	35.0
Unit Nominal Run Amps		A	654.3	672.8	684.9
Recommended Mains Fuse Size		A	710	710	710
Motor Rating		kW	16.4	20.3	20.3
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	41.5	41.5
Unit Nominal Run Amps		A	660.8	679.3	691.4
Recommended Mains Fuse Size		A	710	710	750
Motor Rating		kW	20.3	23.9	23.9
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	33.2	33.2
Unit Nominal Run Amps		A	646.5	663.6	675.8
Recommended Mains Fuse Size		A	710	710	710
Motor Rating		kW	16.8	20.7	20.7
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	39.2	39.2
Unit Nominal Run Amps		A	651.4	668.3	680.5
Recommended Mains Fuse Size		A	710	710	710
Motor Rating		kW	20.7	24.4	24.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			52 DCF047DX-09DXY0	53 DCF049DX-09DPY0	54 DCF051DX-10DPV0
Nominal Run Amps	(1)	A	291.7	298.2	325.5
Maximum Start Amps		A	528.3	533.5	560.8
Recommended Mains Fuse Size		A	315	315	355
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			9	9	10
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			9	9	10
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	37.1 / 47.5	59.2 / 47.5	59.2 / 55.2
Quantity			3 + 3	2 + 3	2 + 3
Motor Rating		kW	23.5 / 29.6	36.2 / 29.6	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	210 / 287	298 / 287	298 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	275.8	277.6	296.9
Reactive power reduction/saving	(4)	kVAr	29.2	36.4	48.3
Maximum Start Amps		A	512.4	512.9	532.2
Recommended Mains Fuse Size		A	315	315	355
Electronic Soft-start					
Nominal Run Amps		A	291.7	298.2	325.5
Maximum Start Amps		A	413.5	414.3	441.6
Recommended Mains Fuse		A	315	315	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	275.8	277.6	296.9
Maximum Start Amps		A	397.6	393.7	413.0
Recommended Mains Fuse Size		A	315	315	355
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	14.8
Unit Nominal Run Amps		A	306.4	312.9	340.2
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	8.4	8.4	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	312.7	319.3	346.6
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	13.9
Unit Nominal Run Amps		A	303.0	309.3	336.3
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	8.6	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	307.9	314.1	341.1
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	12.4	12.4	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			55 DCF053DX-10DYY0	56 DCF049DX-11DXY0	57 DCF051DX-11DPY0
Nominal Run Amps	(1)	A	326.4	296.5	303.0
Maximum Start Amps		A	563.0	533.1	538.3
Recommended Mains Fuse Size		A	355	315	355
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			10	11	11
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			10	11	11
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5	37.1 / 47.5	59.2 / 47.5
Quantity			3 + 3	3 + 3	2 + 3
Motor Rating		kW	29.6 / 29.6	23.5 / 29.6	36.2 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287	210 / 287	298 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	306.5	279.7	281.5
Reactive power reduction/saving	(4)	kVAr	35.9	30.7	37.9
Maximum Start Amps		A	543.1	516.3	516.8
Recommended Mains Fuse Size		A	355	315	355
Electronic Soft-start					
Nominal Run Amps		A	326.4	296.5	303.0
Maximum Start Amps		A	448.2	418.3	419.1
Recommended Mains Fuse		A	355	315	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	306.5	279.7	281.5
Maximum Start Amps		A	428.3	401.5	397.6
Recommended Mains Fuse Size		A	355	315	355
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	14.8
Unit Nominal Run Amps		A	341.0	311.2	317.7
Recommended Mains Fuse Size		A	355	355	355
Motor Rating		kW	8.4	8.4	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	347.4	317.5	324.1
Recommended Mains Fuse Size		A	400	355	355
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	13.9
Unit Nominal Run Amps		A	337.5	307.7	314.1
Recommended Mains Fuse Size		A	355	355	355
Motor Rating		kW	8.6	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	342.4	312.6	318.9
Recommended Mains Fuse Size		A	400	355	355
Motor Rating		kW	12.4	12.4	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			58 DCF053DX-12DPV0	59 DCF055DX-11DYV0	60 DCF055DX-12DYY0
Nominal Run Amps	(1)	A	330.4	353.4	331.2
Maximum Start Amps		A	565.7	581.8	567.8
Recommended Mains Fuse Size		A	355	400	355
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			12	11	12
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			12	11	12
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 55.2	47.5 / 55.2	47.5 / 47.5
Quantity			2 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 33.1	29.6 / 33.1	29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 267	287 / 267	287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	300.7	325.7	310.3
Reactive power reduction/saving	(4)	kVAr	49.9	47.9	37.4
Maximum Start Amps		A	536.0	554.1	546.9
Recommended Mains Fuse Size		A	355	400	355
Electronic Soft-start					
Nominal Run Amps		A	330.4	353.4	331.2
Maximum Start Amps		A	446.5	467.0	453.0
Recommended Mains Fuse		A	355	400	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	300.7	325.7	310.3
Maximum Start Amps		A	416.8	439.3	432.1
Recommended Mains Fuse Size		A	355	400	355
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	21.2	14.8
Unit Nominal Run Amps		A	345.1	374.5	345.8
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	8.4	12.1	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	28.5	21.2
Unit Nominal Run Amps		A	351.5	381.8	352.2
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	12.1	16.4	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	19.8	13.9
Unit Nominal Run Amps		A	341.2	369.2	342.3
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	8.6	12.4	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	26.9	19.8
Unit Nominal Run Amps		A	345.9	374.8	347.2
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	12.4	16.8	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			61 DCF058DX-12DVV0	62 DCF062DX-12FVW0	63 DCF065DX-12FWW0
Nominal Run Amps	(1)	A	380.9	393.0	405.3
Maximum Start Amps		A	589.3	628.3	640.6
Recommended Mains Fuse Size		A	400	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			12	12	12
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			12	12	12
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267	267 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	345.0	359.1	373.2
Reactive power reduction/saving	(4)	kVAr	59.8	57.5	55.2
Maximum Start Amps		A	553.4	594.4	608.5
Recommended Mains Fuse Size		A	400	450	450
Electronic Soft-start					
Nominal Run Amps		A	380.9	393.0	405.3
Maximum Start Amps		A	482.5	509.1	521.4
Recommended Mains Fuse		A	400	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	345.0	359.1	373.2
Maximum Start Amps		A	446.6	475.2	489.3
Recommended Mains Fuse Size		A	400	450	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	402.0	414.2	426.4
Recommended Mains Fuse Size		A	450	450	450
Motor Rating		kW	12.1	12.1	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	409.3	421.5	433.7
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	16.4	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	396.3	408.6	421.0
Recommended Mains Fuse Size		A	450	450	450
Motor Rating		kW	12.4	12.4	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	401.9	414.2	426.6
Recommended Mains Fuse Size		A	450	450	450
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			64 DCF050DX-13DXY0	65 DCF053DX-13DPY0	66 DCF055DX-14DPV0
Nominal Run Amps	(1)	A	301.3	307.9	335.2
Maximum Start Amps		A	537.9	543.2	570.5
Recommended Mains Fuse Size		A	355	355	355
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			13	13	14
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			13	13	14
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	37.1 / 47.5	59.2 / 47.5	59.2 / 55.2
Quantity			3 + 3	2 + 3	2 + 3
Motor Rating		kW	23.5 / 29.6	36.2 / 29.6	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	210 / 287	298 / 287	298 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	283.5	285.3	304.6
Reactive power reduction/saving	(4)	kVAr	32.2	39.4	51.4
Maximum Start Amps		A	520.1	520.6	539.9
Recommended Mains Fuse Size		A	355	355	355
Electronic Soft-start					
Nominal Run Amps		A	301.3	307.9	335.2
Maximum Start Amps		A	423.1	424.0	451.3
Recommended Mains Fuse		A	355	355	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	283.5	285.3	304.6
Maximum Start Amps		A	405.3	401.4	420.7
Recommended Mains Fuse Size		A	355	355	355
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	14.8
Unit Nominal Run Amps		A	316.0	322.6	350.0
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	8.4	8.4	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	322.3	329.0	356.4
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	13.9
Unit Nominal Run Amps		A	312.5	318.9	346.1
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	8.6	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	317.4	323.7	350.8
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	12.4	12.4	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			67 DCF057DX-13DYV0	68 DCF057DX-14DYY0	69 DCF060DX-14DVV0
Nominal Run Amps	(1)	A	358.3	336.0	385.8
Maximum Start Amps		A	586.7	572.6	594.2
Recommended Mains Fuse Size		A	400	355	450
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			13	14	14
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			13	14	14
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 55.2	47.5 / 47.5	55.2 / 55.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.6 / 33.1	29.6 / 29.6	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 267	287 / 287	267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	329.6	314.2	348.8
Reactive power reduction/saving	(4)	kVAr	49.4	38.9	61.4
Maximum Start Amps		A	558.0	550.8	557.2
Recommended Mains Fuse Size		A	400	355	450
Electronic Soft-start					
Nominal Run Amps		A	358.3	336.0	385.8
Maximum Start Amps		A	471.9	457.8	487.4
Recommended Mains Fuse		A	400	355	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	329.6	314.2	348.8
Maximum Start Amps		A	443.2	436.0	450.4
Recommended Mains Fuse Size		A	400	355	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	21.2
Unit Nominal Run Amps		A	373.0	350.6	406.9
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	8.4	8.4	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	28.5
Unit Nominal Run Amps		A	379.4	357.0	414.2
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	12.1	12.1	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	19.8
Unit Nominal Run Amps		A	369.2	347.1	401.2
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	8.6	8.6	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	26.9
Unit Nominal Run Amps		A	374.0	351.9	406.8
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	12.4	12.4	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			70 DCF064DX-14FVW0	71 DCF068DX-14FWW0	72 DCF069TX-13GPPY
Nominal Run Amps	(1)	A	397.9	410.1	433.3
Maximum Start Amps		A	633.2	645.4	668.6
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	250
Condenser Fan - Per Fan (AC)					
Quantity			14	14	13
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			14	14	13
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.5
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 298	298 / 298	298 / 298 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	362.9	377.1	402.0
Reactive power reduction/saving	(4)	kVAr	59.1	56.8	54.8
Maximum Start Amps		A	598.2	612.4	637.3
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	397.9	410.1	433.3
Maximum Start Amps		A	514.0	526.2	549.4
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	362.9	377.1	402.0
Maximum Start Amps		A	479.0	493.2	518.1
Recommended Mains Fuse Size		A	450	450	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	419.0	431.2	454.4
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	12.1	12.1	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	426.3	438.5	461.7
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	16.4	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	413.5	425.8	449.1
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	12.4	12.4	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	419.1	431.4	454.8
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			73 DCF075TX-14GPYY	74 DCF059DX-15DYV0	75 DCF061DX-16DVV0
Nominal Run Amps	(1)	A	461.4	363.1	390.6
Maximum Start Amps		A	696.7	591.5	599.0
Recommended Mains Fuse Size		A	500	400	450
Evaporator					
Immersion Heater Rating		W	250	170	170
Condenser Fan - Per Fan (AC)					
Quantity			14	15	16
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			14	15	16
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 47.5 / 47.5	47.5 / 55.2	55.2 / 55.2
Quantity			2 + 3 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 29.6 / 29.6	29.6 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 287 / 287	287 / 267	267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	430.9	333.4	352.7
Reactive power reduction/saving	(4)	kVAr	54.3	50.9	62.9
Maximum Start Amps		A	666.2	561.8	561.1
Recommended Mains Fuse Size		A	500	400	450
Electronic Soft-start					
Nominal Run Amps		A	461.4	363.1	390.6
Maximum Start Amps		A	577.5	476.7	492.2
Recommended Mains Fuse		A	500	400	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	430.9	333.4	352.7
Maximum Start Amps		A	547.0	447.0	454.3
Recommended Mains Fuse Size		A	500	400	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	482.4	384.3	411.8
Recommended Mains Fuse Size		A	500	450	450
Motor Rating		kW	12.1	12.1	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	489.7	391.6	419.1
Recommended Mains Fuse Size		A	560	450	450
Motor Rating		kW	16.4	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	477.3	378.8	406.1
Recommended Mains Fuse Size		A	500	400	450
Motor Rating		kW	12.4	12.4	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	483.0	384.4	411.6
Recommended Mains Fuse Size		A	560	450	450
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			76 DCF066DX-16FVW0	77 DCF069DX-16FWW0	78 DCF073TX-16GPPY
Nominal Run Amps	(1)	A	402.8	415.0	440.5
Maximum Start Amps		A	638.1	650.3	675.8
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	250
Condenser Fan - Per Fan (AC)					
Quantity			16	16	16
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			16	16	16
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.5
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 298	298 / 298	298 / 298 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	366.8	380.9	407.8
Reactive power reduction/saving	(4)	kVAr	60.6	58.3	57.1
Maximum Start Amps		A	602.1	616.2	643.1
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	402.8	415.0	440.5
Maximum Start Amps		A	518.9	531.1	556.6
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	366.8	380.9	407.8
Maximum Start Amps		A	482.9	497.0	523.9
Recommended Mains Fuse Size		A	450	450	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	423.9	436.1	461.6
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	12.1	12.1	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	431.2	443.4	468.9
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	16.4	16.4	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	418.3	430.6	456.3
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	12.4	12.4	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	423.9	436.3	462.0
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			79 DCF079TX-15GYYY	80 DCF082TX-16HYYV	81 DCF078TX-17GPYY
Nominal Run Amps	(1)	A	489.5	516.5	468.6
Maximum Start Amps		A	726.1	744.9	703.9
Recommended Mains Fuse Size		A	560	560	500
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			15	16	17
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			15	16	17
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 47.5	47.5 / 47.5 / 55.2	59.2 / 47.5 / 47.5
Quantity			3 + 3 + 3	3 + 3 + 3	2 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 29.6	29.6 / 29.6 / 33.1	36.2 / 29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 287	287 / 287 / 267	298 / 287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	459.7	478.9	436.6
Reactive power reduction/saving	(4)	kVAr	53.8	65.8	56.6
Maximum Start Amps		A	696.3	707.3	671.9
Recommended Mains Fuse Size		A	560	560	500
Electronic Soft-start					
Nominal Run Amps		A	489.5	516.5	468.6
Maximum Start Amps		A	611.3	630.1	584.7
Recommended Mains Fuse		A	560	560	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	459.7	478.9	436.6
Maximum Start Amps		A	581.5	592.5	552.7
Recommended Mains Fuse Size		A	560	560	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	21.2
Unit Nominal Run Amps		A	517.8	544.9	489.7
Recommended Mains Fuse Size		A	560	630	560
Motor Rating		kW	16.4	16.4	12.1
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	28.5
Unit Nominal Run Amps		A	524.3	551.4	497.0
Recommended Mains Fuse Size		A	560	630	560
Motor Rating		kW	20.3	20.3	16.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	19.8
Unit Nominal Run Amps		A	511.3	538.0	484.5
Recommended Mains Fuse Size		A	560	560	560
Motor Rating		kW	16.8	16.8	12.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	26.9
Unit Nominal Run Amps		A	516.4	543.0	490.2
Recommended Mains Fuse Size		A	560	630	560
Motor Rating		kW	20.7	20.7	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			82 DCF082TX-18GYYY	83 DCF085TX-17HYVV	84 DCF089TX-18HVVV
Nominal Run Amps	(1)	A	496.7	543.8	571.3
Maximum Start Amps		A	733.3	772.2	779.7
Recommended Mains Fuse Size		A	560	560	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			18	17	18
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			18	17	18
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 47.5	47.5 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 29.6	29.6 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 287	287 / 267 / 267	267 / 267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	465.5	498.2	517.4
Reactive power reduction/saving	(4)	kVAr	56.1	77.8	89.8
Maximum Start Amps		A	702.1	726.6	725.8
Recommended Mains Fuse Size		A	560	560	630
Electronic Soft-start					
Nominal Run Amps		A	496.7	543.8	571.3
Maximum Start Amps		A	618.5	657.4	672.9
Recommended Mains Fuse		A	560	560	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	465.5	498.2	517.4
Maximum Start Amps		A	587.3	611.8	619.0
Recommended Mains Fuse Size		A	560	560	630
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	525.1	572.2	599.8
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	16.4	16.4	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	35.0
Unit Nominal Run Amps		A	531.6	578.7	606.3
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	20.3	20.3	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	518.4	565.0	592.3
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	16.8	16.8	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	33.2
Unit Nominal Run Amps		A	523.5	570.0	597.2
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	20.7	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			85 DCF092TX-18HVVW	86 DCF094TX-18HVWW	87 DCF096TX-18HWWW
Nominal Run Amps	(1)	A	583.4	595.6	607.9
Maximum Start Amps		A	818.7	830.9	843.2
Recommended Mains Fuse Size		A	630	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			18	18	18
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			18	18	18
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267 / 298	267 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	531.6	545.7	559.8
Reactive power reduction/saving	(4)	kVAr	87.5	85.2	82.9
Maximum Start Amps		A	766.9	781.0	795.1
Recommended Mains Fuse Size		A	630	630	630
Electronic Soft-start					
Nominal Run Amps		A	583.4	595.6	607.9
Maximum Start Amps		A	699.5	711.7	724.0
Recommended Mains Fuse		A	630	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	531.6	545.7	559.8
Maximum Start Amps		A	647.7	661.8	675.9
Recommended Mains Fuse Size		A	630	630	630
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	611.9	624.1	636.3
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	16.4	16.4	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	35.0
Unit Nominal Run Amps		A	618.4	630.6	642.8
Recommended Mains Fuse Size		A	670	670	670
Motor Rating		kW	20.3	20.3	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	604.5	616.8	629.2
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	16.8	16.8	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	33.2
Unit Nominal Run Amps		A	609.5	621.8	634.2
Recommended Mains Fuse Size		A	670	670	670
Motor Rating		kW	20.7	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			88 DCF074TX-19GPPY	89 DCF079TX-20GPYY	90 DCF085TX-19HYYV
Nominal Run Amps	(1)	A	447.8	475.9	523.8
Maximum Start Amps		A	683.1	711.2	752.2
Recommended Mains Fuse Size		A	500	500	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			19	20	19
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			19	20	19
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 59.2 / 47.5	59.2 / 47.5 / 47.5	47.5 / 47.5 / 55.2
Quantity			2 + 2 + 3	2 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2 / 29.6	36.2 / 29.6 / 29.6	29.6 / 29.6 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 287	298 / 287 / 287	287 / 287 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	413.6	442.4	484.7
Reactive power reduction/saving	(4)	kVAr	59.3	58.9	68.1
Maximum Start Amps		A	648.9	677.7	713.1
Recommended Mains Fuse Size		A	500	500	560
Electronic Soft-start					
Nominal Run Amps		A	447.8	475.9	523.8
Maximum Start Amps		A	563.9	592.0	637.4
Recommended Mains Fuse		A	500	500	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	413.6	442.4	484.7
Maximum Start Amps		A	529.7	558.5	598.3
Recommended Mains Fuse Size		A	500	500	560
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	28.5
Unit Nominal Run Amps		A	468.9	496.9	552.2
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	12.1	12.1	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	35.0
Unit Nominal Run Amps		A	476.2	504.2	558.7
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	16.4	16.4	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	26.9
Unit Nominal Run Amps		A	463.6	491.7	545.2
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	12.4	12.4	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	33.2
Unit Nominal Run Amps		A	469.2	497.4	550.2
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	16.8	16.8	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			91 DCF088TX-20HYVV	92 DCF084TX-21GYYY	93 DCF087TX-22HYYV
Nominal Run Amps	(1)	A	551.1	504.0	531.1
Maximum Start Amps		A	779.5	740.6	759.5
Recommended Mains Fuse Size		A	630	560	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			20	21	22
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			20	21	22
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 55.2 / 55.2	47.5 / 47.5 / 47.5	47.5 / 47.5 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 33.1 / 33.1	29.6 / 29.6 / 29.6	29.6 / 29.6 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 267 / 267	287 / 287 / 287	287 / 287 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	504.0	471.3	490.5
Reactive power reduction/saving	(4)	kVAr	80.1	58.4	70.4
Maximum Start Amps		A	732.4	707.9	718.9
Recommended Mains Fuse Size		A	630	560	560
Electronic Soft-start					
Nominal Run Amps		A	551.1	504.0	531.1
Maximum Start Amps		A	664.7	625.8	644.7
Recommended Mains Fuse		A	630	560	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	504.0	471.3	490.5
Maximum Start Amps		A	617.6	593.1	604.1
Recommended Mains Fuse Size		A	630	560	560
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	579.5	532.3	559.5
Recommended Mains Fuse Size		A	630	560	630
Motor Rating		kW	16.4	16.4	16.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	35.0	35.0	35.0
Unit Nominal Run Amps		A	586.0	538.8	566.0
Recommended Mains Fuse Size		A	630	560	630
Motor Rating		kW	20.3	20.3	20.3
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	26.9	26.9	26.9
Unit Nominal Run Amps		A	572.3	525.6	552.4
Recommended Mains Fuse Size		A	630	560	630
Motor Rating		kW	16.8	16.8	16.8
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	33.2	33.2	33.2
Unit Nominal Run Amps		A	577.2	530.7	557.5
Recommended Mains Fuse Size		A	630	560	630
Motor Rating		kW	20.7	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Electrical Data Extra Quiet

ELECTRICAL DATA Unit Data			94 DCF092TX-21HVVV	95 DCF095TX-21HVVW	96 DCF097TX-21HVWW	**97** DCF099TX-21HWWW
Nominal Run Amps	(1)	A	578.6	590.8	602.9	615.2
Maximum Start Amps		A	787.0	826.1	838.2	850.5
Recommended Mains Fuse Size		A	630	630	630	670
Evaporator						
Immersion Heater Rating		W	250	250	250	250
Condenser Fan - Per Fan (AC)						
Quantity			21	21	21	21
Full Load Amps		A	2.5	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3	1.27
Condenser Fan - Per Fan (EC)						
Quantity			21	21	21	21
Full Load Amps		A	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.56
Compressor - Per Compressor						
Nominal Run Amps		A	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2
Sump Heater Rating		W	140	140	140	140
Start Amps	(2)	A	267 / 267 / 267	267 / 267 / 298	267 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS						
Power Factor Correction (PF 0.98)	(3)					
Nominal Run Amps		A	523.2	537.3	551.5	565.6
Reactive power reduction/saving	(4)	kVAr	92.0	89.7	87.5	85.2
Maximum Start Amps		A	731.6	772.6	786.8	800.9
Recommended Mains Fuse Size		A	630	630	630	670
Electronic Soft-start						
Nominal Run Amps		A	578.6	590.8	602.9	615.2
Maximum Start Amps		A	680.2	706.9	719.0	731.3
Recommended Mains Fuse		A	630	630	630	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)					
Nominal Run Amps		A	523.2	537.3	551.5	565.6
Maximum Start Amps		A	624.8	653.4	667.6	681.7
Recommended Mains Fuse Size		A	630	630	630	670
Standard Head Pump (Single or Run/Standby)						
Pump Full Load Amps		A	28.5	28.5	28.5	35.0
Unit Nominal Run Amps		A	607.1	619.2	631.4	650.1
Recommended Mains Fuse Size		A	630	670	670	670
Motor Rating		kW	16.4	16.4	16.4	20.3
Larger Head Pump (Single or Run/Standby)						
Pump Full Load Amps		A	35.0	35.0	35.0	41.5
Unit Nominal Run Amps		A	613.6	625.7	637.9	656.5
Recommended Mains Fuse Size		A	630	670	670	710
Motor Rating		kW	20.3	20.3	20.3	23.9
Standard Head Inverter Pump (Single or Run/Standby)						
Pump Full Load Amps		A	26.9	26.9	26.9	33.2
Unit Nominal Run Amps		A	599.6	611.8	624.1	641.4
Recommended Mains Fuse Size		A	630	670	670	670
Motor Rating		kW	16.8	16.8	16.8	20.7
Larger Head Inverter Pump (Single or Run/Standby)						
Pump Full Load Amps		A	33.2	33.2	33.2	39.2
Unit Nominal Run Amps		A	604.5	616.8	629.1	646.2
Recommended Mains Fuse Size		A	630	670	670	710
Motor Rating		kW	20.7	20.7	20.7	24.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct online connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold.

DCF Noise Data - AC Fans Regular Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
1	DCF046DR-07DXY0	Power	96.8	95.3	91.0	86.4	84.3	80.1	80.0	67.7	90.0
		Pressure	64.2	62.7	58.4	53.7	51.6	47.4	47.4	35.1	57.4
2	DCF048DR-07DPY0	Power	95.0	94.4	92.1	88.4	85.2	79.5	80.3	67.8	90.8
		Pressure	62.3	61.7	59.4	55.8	52.6	46.9	47.7	35.2	58.2
3	DCF051DR-08DPV0	Power	94.9	94.5	93.3	88.5	85.1	79.0	79.4	78.8	91.1
		Pressure	62.3	61.8	60.7	55.9	52.4	46.4	46.7	46.1	58.5
4	DCF053DR-08DYY0	Power	96.9	93.5	90.9	87.5	85.2	80.7	81.2	69.3	90.6
		Pressure	64.3	60.9	58.3	54.8	52.6	48.0	48.5	36.7	58.0
5	DCF049DR-09DXY0	Power	97.0	95.6	91.5	86.7	84.7	80.4	80.1	67.9	90.3
		Pressure	64.1	62.7	58.6	53.9	51.9	47.5	47.2	35.0	57.5
6	DCF051DR-09DPY0	Power	95.3	94.7	92.4	88.6	85.6	79.9	80.4	68.0	91.1
		Pressure	62.4	61.8	59.5	55.8	52.7	47.1	47.5	35.1	58.3
7	DCF053DR-10DPV0	Power	95.2	94.8	93.6	88.8	85.4	79.4	79.4	78.8	91.4
		Pressure	62.3	61.9	60.7	55.9	52.6	46.6	46.6	45.9	58.5
8	DCF055DR-09DYV0	Power	96.9	93.6	92.5	87.6	85.1	80.2	80.4	78.9	90.9
		Pressure	64.0	60.7	59.6	54.8	52.2	47.4	47.5	46.1	58.1
9	DCF055DR-10DYY0	Power	97.1	93.9	91.3	87.8	85.6	81.0	81.2	69.4	90.9
		Pressure	64.2	61.0	58.5	54.9	52.7	48.1	48.3	36.6	58.1
10	DCF058DR-10DVV0	Power	96.8	93.7	93.6	87.8	84.9	79.8	79.5	81.7	91.2
		Pressure	63.9	60.9	60.8	54.9	52.0	46.9	46.6	48.8	58.3
11	DCF062DR-10FVW0	Power	95.5	95.6	94.3	89.7	86.1	79.9	80.3	78.8	92.1
		Pressure	62.6	62.8	61.4	56.8	53.3	47.0	47.4	46.0	59.3
12	DCF065DR-10FWW0	Power	93.5	97.0	94.8	91.0	87.1	80.0	81.0	67.4	92.9
		Pressure	60.6	64.1	62.0	58.1	54.3	47.1	48.1	34.5	60.0
13	DCF069TR-10GPPY	Power	95.9	96.4	94.1	90.4	87.0	80.9	81.7	69.0	92.7
		Pressure	63.0	63.5	61.3	57.6	54.1	48.0	48.9	36.1	59.8
14	DCF051DR-11DXY0	Power	97.2	95.8	91.8	87.1	85.1	80.7	80.2	68.0	90.7
		Pressure	64.1	62.7	58.7	54.0	52.0	47.6	47.1	34.9	57.6
15	DCF053DR-11DPY0	Power	95.5	95.0	92.7	88.9	85.9	80.3	80.4	68.1	91.4
		Pressure	62.4	61.9	59.6	55.8	52.8	47.2	47.3	35.0	58.3
16	DCF055DR-12DPV0	Power	95.5	95.1	93.8	89.0	85.8	79.8	79.5	78.8	91.6
		Pressure	62.4	62.0	60.7	55.9	52.7	46.8	46.4	45.7	58.6
17	DCF057DR-12DYY0	Power	97.2	94.2	91.7	88.0	85.9	81.3	81.3	69.5	91.2
		Pressure	64.2	61.1	58.6	54.9	52.8	48.2	48.2	36.4	58.1
18	DCF058DR-11DYV0	Power	97.0	94.0	92.8	87.9	85.4	80.6	80.5	78.9	91.2
		Pressure	63.9	60.9	59.7	54.8	52.3	47.5	47.4	45.8	58.1
19	DCF060DR-12DVV0	Power	97.0	94.1	93.9	88.1	85.3	80.1	79.6	81.7	91.5
		Pressure	63.9	61.0	60.8	55.0	52.2	47.1	46.5	48.6	58.4
20	DCF065DR-12FVW0	Power	95.7	95.9	94.5	89.8	86.4	80.3	80.4	78.9	92.3
		Pressure	62.6	62.8	61.4	56.8	53.3	47.2	47.3	45.8	59.3
21	DCF068DR-12FWW0	Power	93.8	97.1	95.0	91.1	87.4	80.4	81.1	67.6	93.1
		Pressure	60.7	64.0	61.9	58.0	54.3	47.3	48.0	34.5	60.0
22	DCF074TR-11GPYY	Power	97.5	95.9	93.5	89.9	87.0	81.7	82.4	70.2	92.5
		Pressure	64.4	62.8	60.4	56.8	53.9	48.6	49.3	37.1	59.4
23	DCF079TR-12GYYY	Power	98.7	95.3	92.7	89.2	87.0	82.4	82.9	71.1	92.4
		Pressure	65.6	62.2	59.6	56.1	53.9	49.3	49.8	38.0	59.3
24	DCF059DR-13DYV0	Power	97.2	94.3	93.1	88.2	85.8	80.9	80.5	78.9	91.5
		Pressure	63.9	61.0	59.8	54.9	52.5	47.6	47.2	45.6	58.2

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data - AC Fans Regular Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
25	DCF062DR-14DVV0	Power	97.2	94.4	94.1	88.3	85.6	80.5	79.6	81.7	91.7
		Pressure	63.9	61.1	60.8	55.0	52.3	47.2	46.3	48.4	58.4
26	DCF066DR-14FVW0	Power	95.9	96.1	94.7	90.0	86.7	80.6	80.5	78.9	92.6
		Pressure	62.6	62.8	61.4	56.7	53.4	47.3	47.1	45.6	59.2
27	DCF070DR-14FWW0	Power	94.2	97.3	95.2	91.2	87.6	80.7	81.1	67.7	93.2
		Pressure	60.9	64.0	61.9	57.9	54.3	47.4	47.8	34.4	59.9
28	DCF073TR-13GPPY	Power	96.2	96.7	94.5	90.6	87.4	81.3	81.8	69.1	92.9
		Pressure	62.9	63.4	61.2	57.3	54.1	48.0	48.5	35.8	59.6
29	DCF078TR-14GPYY	Power	97.7	96.2	93.8	90.1	87.4	82.1	82.4	70.3	92.8
		Pressure	64.4	62.9	60.5	56.8	54.1	48.8	49.1	37.0	59.5
30	DCF082TR-13HYYV	Power	98.6	95.3	93.8	89.3	86.9	82.1	82.4	79.2	92.6
		Pressure	65.3	62.0	60.5	56.0	53.6	48.8	49.1	45.9	59.3
31	DCF085TR-14HYVV	Power	98.6	95.4	94.7	89.4	86.8	81.8	81.9	81.8	92.8
		Pressure	65.3	62.1	61.4	56.1	53.5	48.5	48.6	48.5	59.5
32	DCF075TR-16GPPY	Power	96.5	97.0	94.7	90.9	87.7	81.7	81.9	69.3	93.2
		Pressure	63.0	63.5	61.2	57.4	54.2	48.2	48.4	35.8	59.7
33	DCF082TR-15GYYY	Power	98.8	95.6	93.1	89.5	87.4	82.7	83.0	71.2	92.7
		Pressure	65.3	62.1	59.6	56.0	53.8	49.2	49.5	37.7	59.2
34	DCF085TR-16HYYV	Power	98.8	95.7	94.1	89.6	87.2	82.5	82.5	79.2	92.9
		Pressure	65.3	62.2	60.6	56.1	53.7	49.0	49.0	45.7	59.4
35	DCF090TR-15HVVV	Power	98.6	95.5	95.4	89.5	86.6	81.5	81.3	83.5	93.0
		Pressure	65.1	62.0	61.9	56.0	53.1	48.0	47.7	49.9	59.5
36	DCF092TR-15HVVW	Power	97.7	96.9	95.8	90.9	87.5	81.6	81.8	81.8	93.6
		Pressure	64.2	63.3	62.3	57.4	54.0	48.1	48.3	48.3	60.1
37	DCF094TR-15HVWW	Power	96.6	97.9	96.2	91.9	88.3	81.7	82.3	79.0	94.2
		Pressure	63.1	64.4	62.7	58.4	54.8	48.2	48.8	45.5	60.7
38	DCF096TR-15HWWW	Power	95.2	98.7	96.6	92.7	88.9	81.8	82.8	69.2	94.7
		Pressure	61.7	65.2	63.1	59.2	55.4	48.3	49.3	35.7	61.1
39	DCF080TR-17GPYY	Power	97.9	96.5	94.2	90.4	87.7	82.4	82.5	70.4	93.1
		Pressure	64.2	62.8	60.5	56.7	54.0	48.7	48.8	36.7	59.4
40	DCF085TR-18GYYY	Power	99.0	96.0	93.5	89.8	87.7	83.0	83.0	71.3	93.0
		Pressure	65.3	62.3	59.8	56.1	54.0	49.3	49.3	37.6	59.3
41	DCF088TR-17HYVV	Power	98.8	95.8	94.9	89.7	87.1	82.2	81.9	81.8	93.1
		Pressure	65.1	62.1	61.2	56.0	53.4	48.5	48.2	48.1	59.4
42	DCF093TR-18HVVV	Power	98.8	95.8	95.6	89.8	87.0	81.9	81.3	83.5	93.2
		Pressure	65.1	62.1	61.9	56.1	53.3	48.2	47.6	49.8	59.5
43	DCF095TR-18HVVW	Power	97.9	97.1	96.0	91.1	87.8	82.0	81.9	81.8	93.8
		Pressure	64.2	63.4	62.3	57.4	54.1	48.3	48.2	48.1	60.1
44	DCF098TR-18HVWW	Power	96.9	98.1	96.4	92.1	88.5	82.1	82.4	79.0	94.4
		Pressure	63.2	64.4	62.7	58.4	54.8	48.4	48.7	45.3	60.7
45	DCF100TR-18HWWW	Power	95.6	98.9	96.8	92.9	89.1	82.1	82.8	69.3	94.8
		Pressure	61.9	65.2	63.1	59.2	55.4	48.4	49.1	35.6	61.1
46	DCF088TR-19HYYV	Power	99.0	96.0	94.4	89.9	87.6	82.8	82.5	79.2	93.1
		Pressure	65.1	62.2	60.5	56.0	53.7	48.9	48.7	45.3	59.3
47	DCF090TR-20HYVV	Power	99.0	96.1	95.2	90.0	87.5	82.5	82.0	81.8	93.3
		Pressure	65.1	62.2	61.3	56.1	53.6	48.6	48.1	47.9	59.4
48	DCF095TR-21HVVV	Power	98.9	96.2	95.9	90.1	87.4	82.3	81.4	83.5	93.5
		Pressure	64.9	62.1	61.8	56.0	53.3	48.2	47.3	49.4	59.4
49	DCF098TR-21HVVW	Power	98.1	97.4	96.2	91.3	88.1	82.3	82.0	81.8	94.1
		Pressure	64.1	63.3	62.2	57.2	54.1	48.3	47.9	47.7	60.0
50	DCF101TR-21HVWW	Power	97.2	98.3	96.6	92.2	88.8	82.4	82.4	79.0	94.6
		Pressure	63.1	64.2	62.5	58.2	54.7	48.3	48.4	45.0	60.5
51	DCF103TR-21HWWW	Power	96.0	99.1	96.9	93.0	89.3	82.5	82.9	69.5	95.0
		Pressure	61.9	65.0	62.9	58.9	55.3	48.4	48.8	35.4	60.9

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data - AC Fans Extra Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
52	DCF047DX-09DXY0	Power	96.1	94.2	90.3	79.7	79.6	72.7	72.1	66.6	86.0
		Pressure	63.2	61.3	57.5	46.8	46.8	39.8	39.2	33.8	53.1
53	DCF049DX-09DPY0	Power	93.8	93.1	91.7	81.4	80.8	72.3	72.1	66.7	86.8
		Pressure	61.0	60.2	58.8	48.6	48.0	39.4	39.2	33.8	53.9
54	DCF051DX-10DPV0	Power	93.7	92.9	93.1	81.5	80.7	71.9	71.1	78.7	87.8
		Pressure	60.9	60.1	60.3	48.7	47.8	39.0	38.2	45.9	54.9
55	DCF053DX-10DYY0	Power	96.0	91.7	90.0	80.8	80.5	73.2	73.1	68.2	86.0
		Pressure	63.1	58.8	57.1	47.9	47.6	40.3	40.2	35.3	53.2
56	DCF049DX-11DXY0	Power	96.1	94.2	90.5	80.0	79.8	73.1	72.2	66.7	86.2
		Pressure	63.0	61.1	57.4	46.9	46.7	40.0	39.1	33.6	53.1
57	DCF051DX-11DPY0	Power	93.9	93.2	91.8	81.7	81.0	72.7	72.2	66.7	87.0
		Pressure	60.8	60.1	58.7	48.6	47.9	39.6	39.1	33.6	53.9
58	DCF053DX-12DPV0	Power	93.8	93.0	93.2	81.8	80.8	72.4	71.2	78.7	87.9
		Pressure	60.7	59.9	60.1	48.7	47.7	39.3	38.1	45.6	54.8
59	DCF055DX-11DYV0	Power	95.9	91.5	92.0	80.9	80.3	72.9	72.3	78.8	87.2
		Pressure	62.8	58.4	58.9	47.8	47.2	39.8	39.2	45.7	54.1
60	DCF055DX-12DYY0	Power	96.0	91.8	90.1	81.1	80.6	73.6	73.2	68.2	86.2
		Pressure	62.9	58.7	57.0	48.0	47.5	40.5	40.1	35.1	53.1
61	DCF058DX-12DVV0	Power	95.9	91.3	93.3	81.0	80.1	72.6	71.4	81.7	88.0
		Pressure	62.8	58.2	60.2	47.9	47.0	39.5	38.3	48.6	55.0
62	DCF062DX-12FVW0	Power	94.1	94.2	94.1	82.6	81.8	72.7	72.0	78.8	88.7
		Pressure	61.0	61.1	61.0	49.5	48.7	39.6	38.9	45.7	55.6
63	DCF065DX-12FWW0	Power	91.2	95.9	94.7	83.8	83.0	72.8	72.5	66.1	89.2
		Pressure	58.1	62.8	61.6	50.7	49.9	39.7	39.4	33.0	56.1
64	DCF050DX-13DXY0	Power	96.2	94.3	90.6	80.4	80.0	73.4	72.3	66.7	86.3
		Pressure	62.9	61.0	57.3	47.1	46.7	40.1	39.0	33.4	53.0
65	DCF053DX-13DPY0	Power	93.9	93.2	91.9	81.9	81.1	73.1	72.3	66.7	87.1
		Pressure	60.6	59.9	58.6	48.6	47.8	39.8	39.0	33.4	53.8
66	DCF055DX-14DPV0	Power	93.8	93.1	93.3	82.0	81.0	72.8	71.3	78.7	88.0
		Pressure	60.5	59.8	60.0	48.7	47.7	39.5	38.0	45.4	54.7
67	DCF057DX-13DYV0	Power	95.9	91.6	92.1	81.2	80.5	73.3	72.4	78.8	87.3
		Pressure	62.6	58.3	58.8	47.9	47.2	40.0	39.1	45.5	54.0
68	DCF057DX-14DYY0	Power	96.0	91.9	90.3	81.3	80.8	73.9	73.3	68.2	86.4
		Pressure	62.7	58.6	57.0	48.0	47.5	40.6	39.9	34.9	53.1
69	DCF060DX-14DVV0	Power	95.9	91.4	93.4	81.3	80.3	73.0	71.5	81.7	88.2
		Pressure	62.6	58.1	60.1	48.0	47.0	39.7	38.2	48.4	54.9
70	DCF064DX-14FVW0	Power	94.2	94.2	94.1	82.8	81.9	73.1	72.1	78.8	88.8
		Pressure	60.9	60.9	60.8	49.5	48.6	39.8	38.8	45.5	55.5
71	DCF068DX-14FWW0	Power	91.3	95.9	94.7	83.9	83.0	73.2	72.6	66.1	89.3
		Pressure	58.0	62.6	61.4	50.6	49.7	39.9	39.3	32.8	56.0
72	DCF069TX-13GPPY	Power	94.6	95.2	93.9	83.4	82.7	73.6	73.4	67.8	88.8
		Pressure	61.2	61.9	60.6	50.1	49.4	40.3	40.1	34.5	55.5
73	DCF075TX-14GPYY	Power	96.4	94.4	92.9	83.0	82.5	74.4	74.2	69.0	88.3
		Pressure	63.1	61.1	59.6	49.7	49.2	41.1	40.9	35.7	55.0
74	DCF059DX-15DYV0	Power	96.0	91.8	92.2	81.4	80.6	73.7	72.5	78.8	87.4
		Pressure	62.5	58.2	58.7	47.9	47.1	40.2	39.0	45.3	53.9

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data - AC Fans Extra Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
75	DCF061DX-16DVV0	Power	95.9	91.6	93.5	81.5	80.5	73.4	71.6	81.7	88.3
		Pressure	62.4	58.1	60.0	48.0	46.9	39.9	38.1	48.2	54.8
76	DCF066DX-16FVW0	Power	94.2	94.3	94.2	83.0	82.0	73.5	72.2	78.8	88.9
		Pressure	60.7	60.8	60.7	49.4	48.5	40.0	38.7	45.3	55.4
77	DCF069DX-16FWW0	Power	91.3	96.0	94.8	84.0	83.1	73.5	72.7	66.1	89.4
		Pressure	57.8	62.5	61.3	50.5	49.6	40.0	39.2	32.6	55.9
78	DCF073TX-16GPPY	Power	94.6	95.3	94.0	83.6	82.9	74.1	73.5	67.8	88.9
		Pressure	61.1	61.8	60.5	50.1	49.4	40.6	40.0	34.3	55.4
79	DCF079TX-15GYYY	Power	97.7	93.4	91.7	82.5	82.2	75.0	74.8	69.9	87.8
		Pressure	64.2	59.9	58.2	49.0	48.7	41.5	41.3	36.4	54.3
80	DCF082TX-16HYYV	Power	97.7	93.3	93.2	82.6	82.1	74.8	74.3	79.0	88.6
		Pressure	64.2	59.8	59.7	49.1	48.6	41.3	40.8	45.5	55.1
81	DCF078TX-17GPYY	Power	96.5	94.5	93.1	83.2	82.6	74.8	74.3	69.0	88.5
		Pressure	62.8	60.8	59.4	49.5	48.9	41.1	40.6	35.3	54.8
82	DCF082TX-18GYYY	Power	97.8	93.6	91.9	82.8	82.4	75.3	74.9	70.0	88.0
		Pressure	64.1	59.9	58.2	49.1	48.7	41.6	41.2	36.3	54.3
83	DCF085TX-17HYVV	Power	97.7	93.2	94.2	82.7	82.0	74.6	73.8	81.8	89.2
		Pressure	64.0	59.5	60.5	49.0	48.3	40.9	40.1	48.1	55.5
84	DCF089TX-18HVVV	Power	97.6	93.1	95.1	82.8	81.9	74.4	73.1	83.4	89.8
		Pressure	63.9	59.4	61.4	49.1	48.2	40.7	39.4	49.7	56.1
85	DCF092TX-18HVVW	Power	96.5	95.2	95.6	83.9	83.0	74.4	73.5	81.7	90.2
		Pressure	62.8	61.5	61.9	50.2	49.3	40.7	39.8	48.0	56.5
86	DCF094TX-18HVWW	Power	95.1	96.6	96.0	84.8	84.0	74.5	73.9	78.9	90.6
		Pressure	61.4	62.9	62.3	51.1	50.3	40.8	40.2	45.2	56.9
87	DCF096TX-18HWWW	Power	93.0	97.6	96.4	85.5	84.7	74.5	74.2	67.8	91.0
		Pressure	59.3	63.9	62.7	51.8	51.0	40.8	40.5	34.1	57.3
88	DCF074TX-19GPPY	Power	94.7	95.4	94.1	83.8	83.0	74.6	73.6	67.8	89.1
		Pressure	60.8	61.5	60.2	49.9	49.1	40.7	39.8	34.0	55.2
89	DCF079TX-20GPYY	Power	96.5	94.6	93.2	83.5	82.8	75.1	74.4	69.0	88.6
		Pressure	62.6	60.7	59.3	49.6	48.9	41.3	40.5	35.2	54.7
90	DCF085TX-19HYYV	Power	97.7	93.4	93.3	82.9	82.3	75.2	74.4	79.0	88.7
		Pressure	63.8	59.6	59.4	49.0	48.4	41.3	40.6	45.1	54.8
91	DCF088TX-20HYVV	Power	97.7	93.3	94.3	83.0	82.2	75.0	73.9	81.8	89.4
		Pressure	63.8	59.4	60.4	49.1	48.3	41.1	40.0	47.9	55.5
92	DCF084TX-21GYYY	Power	97.8	93.7	92.0	83.1	82.5	75.7	75.0	70.0	88.1
		Pressure	63.7	59.6	58.0	49.0	48.5	41.6	41.0	35.9	54.1
93	DCF087TX-22HYYV	Power	97.7	93.6	93.4	83.1	82.4	75.5	74.5	79.0	88.9
		Pressure	63.7	59.5	59.3	49.1	48.4	41.4	40.5	45.0	54.8
94	DCF092TX-21HVVV	Power	97.6	93.2	95.2	83.0	82.1	74.8	73.3	83.4	89.9
		Pressure	63.6	59.1	61.1	49.0	48.0	40.7	39.2	49.4	55.9
95	DCF095TX-21HVVW	Power	96.6	95.2	95.7	84.1	83.2	74.8	73.7	81.7	90.3
		Pressure	62.5	61.2	61.6	50.0	49.1	40.8	39.6	47.7	56.3
96	DCF097TX-21HVWW	Power	95.2	96.6	96.1	85.0	84.1	74.9	74.0	78.9	90.7
		Pressure	61.1	62.6	62.0	50.9	50.0	40.8	39.9	44.8	56.7
97	DCF099TX-21HWWW	Power	93.0	97.7	96.5	85.7	84.8	74.9	74.3	67.9	91.1
		Pressure	59.0	63.6	62.4	51.6	50.7	40.9	40.3	33.8	57.0

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data EC Fans Regular Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
1	DCF046DR-07DXY0	Power	98.0	96.0	91.7	87.4	86.5	82.5	80.5	68.9	91.5
		Pressure	65.4	63.3	59.1	54.8	53.9	49.9	47.8	36.3	58.8
2	DCF048DR-07DPY0	Power	96.7	95.2	92.6	89.1	87.1	82.2	80.7	69.0	92.1
		Pressure	64.1	62.6	60.0	56.5	54.5	49.6	48.1	36.4	59.4
3	DCF051DR-08DPV0	Power	96.9	95.4	93.8	89.3	87.2	82.2	79.9	78.9	92.4
		Pressure	64.2	62.8	61.2	56.7	54.6	49.6	47.3	46.3	59.8
4	DCF053DR-08DYY0	Power	98.2	94.6	91.7	88.4	87.3	83.1	81.5	70.3	92.1
		Pressure	65.6	62.0	59.1	55.8	54.7	50.5	48.9	37.7	59.4
5	DCF049DR-09DXY0	Power	98.1	96.2	92.0	87.7	86.9	82.6	80.6	69.2	91.7
		Pressure	65.2	63.3	59.2	54.8	54.1	49.8	47.7	36.3	58.9
6	DCF051DR-09DPY0	Power	97.0	95.5	93.0	89.4	87.6	82.6	80.8	69.3	92.4
		Pressure	64.1	62.6	60.1	56.5	54.7	49.7	47.9	36.4	59.5
7	DCF053DR-10DPV0	Power	96.5	95.3	93.8	89.3	87.2	81.7	79.9	78.9	92.4
		Pressure	63.7	62.4	60.9	56.4	54.3	48.9	47.0	46.0	59.5
8	DCF055DR-09DYV0	Power	98.3	94.8	93.2	88.7	87.4	83.1	80.9	79.1	92.4
		Pressure	65.5	62.0	60.3	55.8	54.6	50.2	48.0	46.2	59.6
9	DCF055DR-10DYY0	Power	98.2	94.8	92.0	88.6	87.6	83.1	81.6	70.4	92.2
		Pressure	65.4	61.9	59.1	55.7	54.7	50.2	48.7	37.6	59.4
10	DCF058DR-10DVV0	Power	98.4	95.0	94.2	88.9	87.5	83.1	80.2	81.8	92.8
		Pressure	65.6	62.2	61.3	56.0	54.7	50.2	47.3	48.9	59.9
11	DCF062DR-10FVW0	Power	97.6	96.5	94.8	90.4	88.3	83.2	80.9	79.0	93.4
		Pressure	64.7	63.7	61.9	57.5	55.4	50.3	48.0	46.1	60.6
12	DCF065DR-10FWW0	Power	96.4	97.6	95.3	91.5	88.9	83.2	81.5	69.1	94.0
		Pressure	63.6	64.8	62.4	58.7	56.0	50.3	48.6	36.2	61.1
13	DCF069TR-10GPPY	Power	97.8	97.2	94.7	91.1	88.8	83.7	82.2	70.2	93.8
		Pressure	64.9	64.3	61.8	58.2	55.9	50.8	49.3	37.4	61.0
14	DCF051DR-11DXY0	Power	97.0	95.3	91.2	86.6	85.4	80.6	80.2	68.3	90.5
		Pressure	63.9	62.2	58.1	53.6	52.3	47.5	47.1	35.2	57.4
15	DCF053DR-11DPY0	Power	95.3	94.5	92.2	88.6	86.3	80.2	80.4	68.5	91.3
		Pressure	62.2	61.4	59.1	55.5	53.2	47.2	47.3	35.4	58.2
16	DCF055DR-12DPV0	Power	95.1	94.4	93.3	88.6	86.0	79.5	79.5	78.8	91.4
		Pressure	62.0	61.3	60.2	55.5	52.9	46.4	46.4	45.7	58.3
17	DCF057DR-12DYY0	Power	97.1	93.6	91.1	87.8	86.3	81.2	81.3	69.8	91.2
		Pressure	64.0	60.5	58.0	54.7	53.2	48.1	48.2	36.7	58.1
18	DCF058DR-11DYV0	Power	97.9	94.5	93.0	88.5	87.2	82.3	80.8	79.0	92.2
		Pressure	64.8	61.4	60.0	55.4	54.1	49.3	47.7	45.9	59.1
19	DCF060DR-12DVV0	Power	97.5	94.2	93.9	88.4	86.8	81.4	79.9	81.7	92.1
		Pressure	64.4	61.1	60.8	55.3	53.7	48.3	46.8	48.6	59.0
20	DCF065DR-12FVW0	Power	97.2	96.4	94.7	90.4	88.2	82.6	80.8	79.0	93.3
		Pressure	64.1	63.3	61.7	57.3	55.1	49.5	47.7	45.9	60.2
21	DCF068DR-12FWW0	Power	96.6	97.8	95.4	91.7	89.2	83.4	81.6	69.4	94.2
		Pressure	63.6	64.7	62.3	58.6	56.1	50.3	48.5	36.3	61.1
22	DCF074TR-11GPYY	Power	99.0	96.8	94.1	90.7	89.0	84.3	82.8	71.2	93.8
		Pressure	65.9	63.7	61.0	57.6	55.9	51.2	49.7	38.1	60.7
23	DCF079TR-12GYYY	Power	100.0	96.4	93.5	90.2	89.1	84.9	83.3	72.1	93.8
		Pressure	66.9	63.3	60.4	57.1	56.0	51.8	50.2	39.0	60.7

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data EC Fans Regular Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
24	DCF059DR-13DYV0	Power	97.0	93.5	92.5	87.8	86.0	80.6	80.5	79.0	91.3
		Pressure	63.7	60.2	59.2	54.5	52.7	47.3	47.2	45.7	58.0
25	DCF062DR-14DVV0	Power	96.8	93.4	93.5	87.8	85.7	80.0	79.6	81.7	91.4
		Pressure	63.5	60.1	60.2	54.5	52.4	46.7	46.3	48.4	58.1
26	DCF066DR-14FVW0	Power	95.8	95.7	94.3	89.9	87.2	80.7	80.5	78.9	92.6
		Pressure	62.5	62.4	61.0	56.6	53.9	47.4	47.2	45.6	59.3
27	DCF070DR-14FWW0	Power	94.5	97.1	95.0	91.2	88.3	81.2	81.2	68.5	93.5
		Pressure	61.2	63.8	61.7	57.9	55.0	47.9	47.9	35.2	60.1
28	DCF073TR-13GPPY	Power	98.1	97.4	94.9	91.3	89.2	84.0	82.3	70.5	94.1
		Pressure	64.8	64.1	61.6	58.0	55.9	50.7	48.9	37.2	60.8
29	DCF078TR-14GPYY	Power	99.2	97.0	94.4	90.9	89.3	84.5	82.8	71.5	94.1
		Pressure	65.9	63.7	61.1	57.6	56.0	51.2	49.5	38.2	60.8
30	DCF082TR-13HYYV	Power	100.1	96.5	94.5	90.4	89.2	84.9	82.9	79.3	94.1
		Pressure	66.8	63.2	61.2	57.1	55.9	51.6	49.6	46.0	60.8
31	DCF085TR-14HYVV	Power	100.1	96.7	95.3	90.5	89.2	84.9	82.4	81.9	94.3
		Pressure	66.8	63.4	62.0	57.2	55.9	51.6	49.1	48.6	61.0
32	DCF075TR-16GPPY	Power	96.2	96.5	94.3	90.6	88.0	81.6	81.9	69.6	93.1
		Pressure	62.7	63.0	60.8	57.1	54.5	48.1	48.4	36.1	59.6
33	DCF082TR-15GYYY	Power	100.0	96.6	93.8	90.4	89.4	84.9	83.3	72.2	94.0
		Pressure	66.5	63.1	60.3	56.9	55.9	51.4	49.8	38.7	60.5
34	DCF085TR-16HYYV	Power	99.8	96.4	94.5	90.3	89.1	84.4	82.8	79.3	94.0
		Pressure	66.3	62.9	61.0	56.8	55.6	50.9	49.3	45.8	60.5
35	DCF090TR-15HVVV	Power	100.2	96.8	96.0	90.7	89.3	84.9	81.9	83.5	94.5
		Pressure	66.7	63.3	62.5	57.1	55.8	51.4	48.4	50.0	61.0
36	DCF092TR-15HVVW	Power	99.6	97.8	96.4	91.7	89.8	84.9	82.4	81.9	95.0
		Pressure	66.1	64.3	62.8	58.2	56.3	51.4	48.9	48.4	61.5
37	DCF094TR-15HVWW	Power	99.0	98.7	96.7	92.6	90.2	84.9	82.9	79.2	95.4
		Pressure	65.5	65.2	63.2	59.1	56.7	51.4	49.4	45.7	61.9
38	DCF096TR-15HWWW	Power	98.2	99.4	97.0	93.3	90.7	85.0	83.3	70.9	95.8
		Pressure	64.7	65.9	63.5	59.8	57.1	51.5	49.8	37.4	62.3
39	DCF080TR-17GPYY	Power	97.8	96.0	93.6	90.1	88.1	82.4	82.5	70.7	93.0
		Pressure	64.1	62.3	59.9	56.4	54.4	48.7	48.8	37.0	59.3
40	DCF085TR-18GYYY	Power	98.9	95.4	92.9	89.5	88.1	83.0	83.0	71.6	92.9
		Pressure	65.2	61.7	59.2	55.8	54.4	49.3	49.3	37.9	59.2
41	DCF088TR-17HYVV	Power	99.5	96.2	95.1	90.2	88.8	83.8	82.3	81.9	93.9
		Pressure	65.8	62.5	61.4	56.5	55.1	50.1	48.6	48.2	60.2
42	DCF093TR-18HVVV	Power	99.3	96.1	95.7	90.2	88.7	83.4	81.6	83.5	94.0
		Pressure	65.6	62.4	62.0	56.5	55.0	49.7	47.9	49.8	60.3
43	DCF095TR-18HVVW	Power	99.0	97.5	96.2	91.5	89.5	84.0	82.3	81.9	94.7
		Pressure	65.3	63.8	62.5	57.8	55.8	50.3	48.6	48.2	61.0
44	DCF098TR-18HVWW	Power	98.7	98.6	96.7	92.6	90.3	84.6	82.8	79.2	95.4
		Pressure	65.0	64.9	63.0	58.9	56.6	50.9	49.1	45.5	61.7
45	DCF100TR-18HWWW	Power	98.2	99.5	97.1	93.4	90.8	85.0	83.3	71.1	95.9
		Pressure	64.5	65.8	63.4	59.7	57.1	51.3	49.6	37.4	62.2
46	DCF088TR-19HYYV	Power	98.8	95.3	93.8	89.5	87.9	82.6	82.5	79.2	93.0
		Pressure	64.9	61.4	59.9	55.6	54.0	48.7	48.6	45.3	59.1
47	DCF090TR-20HYVV	Power	98.7	95.2	94.6	89.5	87.7	82.2	82.0	81.9	93.1
		Pressure	64.8	61.3	60.7	55.6	53.8	48.3	48.1	48.0	59.2
48	DCF095TR-21HVVV	Power	98.5	95.1	95.2	89.5	87.3	81.6	81.3	83.5	93.1
		Pressure	64.4	61.0	61.2	55.4	53.2	47.5	47.2	49.4	59.0
49	DCF098TR-21HVVW	Power	97.9	96.7	95.8	91.0	88.4	82.1	81.9	81.8	93.9
		Pressure	63.8	62.7	61.7	56.9	54.3	48.0	47.9	47.7	59.8
50	DCF101TR-21HVWW	Power	97.1	97.9	96.3	92.1	89.3	82.5	82.5	79.1	94.6
		Pressure	63.0	63.9	62.2	58.0	55.2	48.5	48.4	45.0	60.5
51	DCF103TR-21HWWW	Power	96.1	98.9	96.7	93.0	90.0	82.9	83.0	70.2	95.2
		Pressure	62.0	64.8	62.7	58.9	55.9	48.8	48.9	36.1	61.1

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data EC Fans Extra Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
52	DCF047DX-09DXY0	Power	96.2	94.1	90.2	80.0	80.2	72.4	72.0	66.7	86.1
		Pressure	63.3	61.3	57.3	47.1	47.3	39.6	39.1	33.9	53.2
53	DCF049DX-09DPY0	Power	93.9	93.0	91.6	81.6	81.3	72.0	72.0	66.8	86.9
		Pressure	61.1	60.1	58.7	48.7	48.4	39.1	39.1	33.9	54.0
54	DCF051DX-10DPV0	Power	93.9	92.9	93.0	81.7	81.2	71.6	70.9	78.7	87.8
		Pressure	61.0	60.0	60.2	48.9	48.3	38.7	38.1	45.9	55.0
55	DCF053DX-10DYY0	Power	96.0	91.6	89.7	81.0	81.0	73.0	73.0	68.3	86.1
		Pressure	63.2	58.7	56.9	48.1	48.1	40.1	40.1	35.4	53.2
56	DCF049DX-11DXY0	Power	96.2	94.2	90.3	80.3	80.5	72.8	72.1	66.8	86.3
		Pressure	63.1	61.1	57.2	47.2	47.4	39.7	39.0	33.7	53.2
57	DCF051DX-11DPY0	Power	94.0	93.1	91.6	81.9	81.5	72.4	72.1	66.8	87.0
		Pressure	60.9	60.0	58.5	48.8	48.4	39.3	39.0	33.7	53.9
58	DCF053DX-12DPV0	Power	93.9	93.0	93.1	82.0	81.4	72.1	71.0	78.7	88.0
		Pressure	60.8	59.9	60.0	48.9	48.3	39.0	37.9	45.6	54.9
59	DCF055DX-11DYV0	Power	96.0	91.4	91.8	81.1	80.9	72.7	72.2	78.8	87.2
		Pressure	62.9	58.3	58.7	48.1	47.8	39.6	39.1	45.8	54.1
60	DCF055DX-12DYY0	Power	96.1	91.7	89.9	81.3	81.2	73.3	73.1	68.3	86.3
		Pressure	63.0	58.6	56.8	48.2	48.1	40.2	40.0	35.2	53.2
61	DCF058DX-12DVV0	Power	95.9	91.2	93.2	81.3	80.8	72.3	71.2	81.7	88.1
		Pressure	62.8	58.1	60.1	48.2	47.7	39.2	38.1	48.6	55.0
62	DCF062DX-12FVW0	Power	94.3	94.1	94.0	82.8	82.2	72.4	71.8	78.8	88.7
		Pressure	61.2	61.0	60.9	49.7	49.1	39.3	38.7	45.7	55.6
63	DCF065DX-12FWW0	Power	91.5	95.8	94.6	83.9	83.3	72.5	72.4	66.2	89.3
		Pressure	58.4	62.7	61.5	50.8	50.2	39.4	39.3	33.1	56.2
64	DCF050DX-13DXY0	Power	96.3	94.3	90.4	80.7	80.7	73.2	72.2	66.8	86.5
		Pressure	63.0	61.0	57.1	47.4	47.4	39.9	38.9	33.5	53.2
65	DCF053DX-13DPY0	Power	94.1	93.2	91.7	82.1	81.7	72.8	72.1	66.9	87.2
		Pressure	60.8	59.9	58.4	48.8	48.4	39.5	38.8	33.6	53.9
66	DCF055DX-14DPV0	Power	94.0	93.0	93.2	82.2	81.6	72.5	71.2	78.7	88.1
		Pressure	60.7	59.7	59.8	48.9	48.3	39.2	37.8	45.4	54.8
67	DCF057DX-13DYV0	Power	96.0	91.5	91.9	81.4	81.1	73.0	72.3	78.8	87.4
		Pressure	62.7	58.2	58.6	48.1	47.8	39.7	39.0	45.5	54.1
68	DCF057DX-14DYY0	Power	96.1	91.8	90.0	81.6	81.4	73.7	73.1	68.3	86.5
		Pressure	62.8	58.5	56.7	48.3	48.1	40.3	39.8	35.0	53.2
69	DCF060DX-14DVV0	Power	96.0	91.3	93.3	81.6	81.0	72.7	71.3	81.7	88.2
		Pressure	62.7	58.0	60.0	48.2	47.7	39.4	38.0	48.4	54.9
70	DCF064DX-14FVW0	Power	94.3	94.2	94.0	83.0	82.4	72.8	71.9	78.8	88.8
		Pressure	61.0	60.9	60.7	49.7	49.1	39.5	38.6	45.5	55.5
71	DCF068DX-14FWW0	Power	91.6	95.9	94.6	84.1	83.4	72.9	72.4	66.3	89.4
		Pressure	58.3	62.6	61.3	50.8	50.1	39.6	39.1	33.0	56.1
72	DCF069TX-13GPPY	Power	94.7	95.2	93.8	83.6	83.1	73.4	73.3	67.9	88.9
		Pressure	61.4	61.9	60.5	50.3	49.8	40.1	40.0	34.6	55.6
73	DCF075TX-14GPYY	Power	96.5	94.3	92.8	83.2	82.9	74.1	74.1	69.1	88.4
		Pressure	63.2	61.0	59.5	49.9	49.6	40.8	40.8	35.8	55.1
74	DCF059DX-15DYV0	Power	96.1	91.6	92.0	81.7	81.3	73.4	72.4	78.9	87.5
		Pressure	62.6	58.1	58.5	48.2	47.8	39.9	38.9	45.3	54.0
75	DCF061DX-16DVV0	Power	96.0	91.4	93.3	81.8	81.2	73.1	71.4	81.7	88.4
		Pressure	62.5	57.9	59.8	48.3	47.7	39.6	37.9	48.2	54.9
76	DCF066DX-16FVW0	Power	94.4	94.2	94.1	83.2	82.6	73.2	72.0	78.8	88.9
		Pressure	60.9	60.7	60.6	49.7	49.1	39.6	38.5	45.3	55.4

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data EC Fans Extra Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
77	DCF069DX-16FWW0	Power	91.7	95.9	94.7	84.2	83.6	73.2	72.5	66.3	89.5
		Pressure	58.2	62.4	61.2	50.7	50.1	39.7	39.0	32.8	56.0
78	DCF073TX-16GPPY	Power	94.8	95.2	93.9	83.8	83.3	73.8	73.4	68.0	89.0
		Pressure	61.3	61.7	60.4	50.3	49.8	40.3	39.9	34.4	55.5
79	DCF079TX-15GYYY	Power	97.8	93.4	91.5	82.8	82.7	74.8	74.8	70.0	87.9
		Pressure	64.3	59.8	58.0	49.3	49.2	41.3	41.3	36.5	54.4
80	DCF082TX-16HYYV	Power	97.8	93.2	93.0	82.9	82.7	74.6	74.3	79.0	88.7
		Pressure	64.3	59.7	59.5	49.4	49.2	41.0	40.7	45.5	55.1
81	DCF078TX-17GPYY	Power	96.6	94.4	92.9	83.5	83.2	74.5	74.2	69.1	88.6
		Pressure	62.9	60.7	59.2	49.8	49.5	40.8	40.5	35.4	54.9
82	DCF082TX-18GYYY	Power	97.8	93.5	91.6	83.1	83.0	75.1	74.8	70.1	88.1
		Pressure	64.1	59.8	57.9	49.4	49.3	41.4	41.1	36.4	54.4
83	DCF085TX-17HYVV	Power	97.7	93.1	94.1	83.0	82.6	74.3	73.7	81.8	89.3
		Pressure	64.0	59.4	60.4	49.3	48.9	40.6	40.0	48.1	55.6
84	DCF089TX-18HVVV	Power	97.7	93.0	95.0	83.0	82.5	74.1	73.0	83.4	89.9
		Pressure	64.0	59.3	61.3	49.3	48.8	40.4	39.3	49.7	56.2
85	DCF092TX-18HVVW	Power	96.7	95.1	95.5	84.1	83.5	74.2	73.4	81.7	90.3
		Pressure	63.0	61.4	61.8	50.4	49.8	40.5	39.7	48.0	56.6
86	DCF094TX-18HVWW	Power	95.3	96.5	95.9	85.0	84.4	74.2	73.8	78.9	90.7
		Pressure	61.6	62.8	62.2	51.3	50.7	40.5	40.1	45.2	57.0
87	DCF096TX-18HWWW	Power	93.2	97.6	96.4	85.7	85.1	74.3	74.1	68.0	91.0
		Pressure	59.5	63.9	62.7	52.0	51.4	40.6	40.4	34.3	57.3
88	DCF074TX-19GPPY	Power	94.8	95.3	93.9	84.0	83.5	74.3	73.5	68.0	89.2
		Pressure	61.0	61.4	60.1	50.2	49.7	40.4	39.6	34.1	55.3
89	DCF079TX-20GPYY	Power	96.6	94.5	93.0	83.7	83.4	74.9	74.3	69.2	88.7
		Pressure	62.7	60.6	59.1	49.8	49.5	41.0	40.4	35.3	54.8
90	DCF085TX-19HYYV	Power	97.8	93.3	93.1	83.2	82.9	74.9	74.3	79.0	88.8
		Pressure	63.9	59.5	59.2	49.3	49.0	41.0	40.4	45.2	54.9
91	DCF088TX-20HYVV	Power	97.8	93.2	94.2	83.2	82.8	74.7	73.8	81.8	89.4
		Pressure	63.9	59.3	60.3	49.4	49.0	40.8	39.9	47.9	55.6
92	DCF084TX-21GYYY	Power	97.9	93.6	91.8	83.3	83.2	75.4	74.9	70.1	88.3
		Pressure	63.8	59.5	57.7	49.3	49.1	41.4	40.8	36.0	54.2
93	DCF087TX-22HYYV	Power	97.8	93.5	93.2	83.4	83.1	75.2	74.4	79.0	89.0
		Pressure	63.8	59.4	59.1	49.4	49.1	41.2	40.3	45.0	54.9
94	DCF092TX-21HVVV	Power	97.7	93.1	95.0	83.3	82.8	74.5	73.1	83.4	90.0
		Pressure	63.7	59.0	61.0	49.3	48.7	40.4	39.0	49.4	55.9
95	DCF095TX-21HVVW	Power	96.7	95.2	95.5	84.3	83.7	74.5	73.5	81.7	90.4
		Pressure	62.6	61.1	61.5	50.3	49.7	40.5	39.4	47.7	56.4
96	DCF097TX-21HVWW	Power	95.3	96.6	96.0	85.1	84.5	74.6	73.9	78.9	90.8
		Pressure	61.3	62.5	61.9	51.1	50.5	40.5	39.8	44.8	56.7
97	DCF099TX-21HWWW	Power	93.3	97.6	96.4	85.8	85.2	74.6	74.2	68.0	91.1
		Pressure	59.3	63.6	62.3	51.8	51.1	40.6	40.1	34.0	57.1

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2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data EC + Fans

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
1	DCF046DR-07DXY0	Power	97.3	96.0	93.5	88.1	86.7	84.3	80.8	69.2	92.2
		Pressure	64.6	63.3	60.8	55.5	54.0	51.6	48.1	36.5	59.6
2	DCF048DR-07DPY0	Power	95.6	95.2	94.1	89.6	87.2	84.1	81.0	69.2	92.8
		Pressure	63.0	62.6	61.4	56.9	54.6	51.5	48.3	36.6	60.1
3	DCF051DR-08DPV0	Power	95.5	95.2	94.9	89.6	87.2	83.7	80.2	78.9	92.9
		Pressure	62.8	62.5	62.3	57.0	54.5	51.0	47.5	46.3	60.3
4	DCF053DR-08DYY0	Power	97.4	94.6	93.6	89.1	87.5	84.9	81.8	70.5	92.8
		Pressure	64.7	62.0	61.0	56.4	54.8	52.2	49.2	37.9	60.2
5	DCF049DR-09DXY0	Power	97.0	95.5	92.9	87.3	86.2	82.2	80.4	68.8	91.4
		Pressure	64.1	62.6	60.0	54.4	53.4	49.3	47.6	35.9	58.6
6	DCF051DR-09DPY0	Power	95.2	94.7	93.7	89.1	87.0	82.1	80.7	68.9	92.1
		Pressure	62.4	61.8	60.8	56.2	54.1	49.2	47.8	36.1	59.3
7	DCF053DR-10DPV0	Power	94.9	94.5	94.4	89.0	86.5	81.2	79.8	78.9	92.1
		Pressure	62.0	61.6	61.5	56.1	53.7	48.3	46.9	46.0	59.2
8	DCF055DR-09DYV0	Power	97.3	94.5	94.6	89.1	87.4	84.5	81.1	79.1	93.0
		Pressure	64.4	61.6	61.7	56.2	54.5	51.6	48.3	46.2	60.1
9	DCF055DR-10DYY0	Power	97.0	93.7	92.9	88.3	86.9	82.6	81.5	70.1	92.0
		Pressure	64.1	60.8	60.1	55.4	54.1	49.8	48.6	37.3	59.1
10	DCF058DR-10DVV0	Power	97.2	94.4	95.3	89.1	87.3	84.0	80.4	81.8	93.1
		Pressure	64.3	61.6	62.4	56.2	54.4	51.2	47.5	48.9	60.2
11	DCF062DR-10FVW0	Power	96.1	96.4	95.9	90.8	88.3	84.9	81.2	79.0	94.0
		Pressure	63.3	63.5	63.1	57.9	55.4	52.0	48.3	46.1	61.1
12	DCF065DR-10FWW0	Power	94.7	97.6	96.4	91.9	89.0	85.3	81.8	69.4	94.6
		Pressure	61.8	64.8	63.6	59.1	56.1	52.4	49.0	36.6	61.8
13	DCF069TR-10GPPY	Power	96.6	97.1	96.0	91.5	88.9	85.6	82.4	70.5	94.5
		Pressure	63.7	64.3	63.1	58.6	56.0	52.7	49.6	37.6	61.6
14	DCF051DR-11DXY0	Power	96.6	95.1	92.0	86.4	85.1	80.5	80.1	68.1	90.4
		Pressure	63.5	62.0	58.9	53.3	52.0	47.4	47.0	35.0	57.3
15	DCF053DR-11DPY0	Power	94.7	94.2	92.9	88.5	86.0	80.1	80.4	68.2	91.3
		Pressure	61.6	61.1	59.8	55.4	52.9	47.0	47.3	35.1	58.2
16	DCF055DR-12DPV0	Power	94.4	94.1	93.8	88.5	85.6	79.3	79.4	78.8	91.4
		Pressure	61.3	61.0	60.7	55.4	52.5	46.2	46.3	45.7	58.3
17	DCF057DR-12DYY0	Power	96.7	93.1	92.0	87.6	86.0	81.1	81.2	69.6	91.1
		Pressure	63.6	60.0	58.9	54.5	52.9	48.0	48.1	36.5	58.0
18	DCF058DR-11DYV0	Power	96.8	93.5	93.8	88.1	86.5	81.9	80.7	79.0	91.9
		Pressure	63.7	60.4	60.7	55.0	53.4	48.8	47.6	45.9	58.8
19	DCF060DR-12DVV0	Power	96.6	93.3	94.4	88.0	86.1	80.9	79.7	81.7	91.8
		Pressure	63.5	60.2	61.3	54.9	53.0	47.8	46.6	48.6	58.7
20	DCF065DR-12FVW0	Power	95.4	95.7	95.3	90.1	87.6	82.1	80.7	78.9	93.1
		Pressure	62.4	62.6	62.3	57.0	54.5	49.0	47.6	45.8	60.0
21	DCF068DR-12FWW0	Power	93.8	97.1	96.0	91.5	88.6	82.9	81.5	68.9	94.0
		Pressure	60.7	64.0	62.9	58.4	55.5	49.8	48.4	35.8	60.9
22	DCF074TR-11GPYY	Power	98.0	96.8	95.7	91.2	89.1	86.1	83.0	71.5	94.5
		Pressure	65.0	63.7	62.6	58.1	56.0	53.0	49.9	38.4	61.5
23	DCF079TR-12GYYY	Power	99.1	96.4	95.4	90.8	89.2	86.6	83.6	72.3	94.6
		Pressure	66.0	63.3	62.3	57.7	56.1	53.5	50.5	39.2	61.5
24	DCF059DR-13DYV0	Power	96.5	93.0	93.1	87.5	85.6	80.5	80.5	78.9	91.2
		Pressure	63.2	59.7	59.8	54.2	52.3	47.1	47.2	45.6	57.9
25	DCF062DR-14DVV0	Power	96.3	92.9	94.0	87.5	85.2	79.7	79.5	81.7	91.3
		Pressure	63.0	59.6	60.7	54.2	51.9	46.4	46.2	48.4	58.0

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2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCF Noise Data EC + Fans

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
26	DCF066DR-14FVW0	Power	95.0	95.3	94.8	89.7	86.8	80.4	80.4	78.9	92.4
		Pressure	61.7	62.0	61.5	56.4	53.5	47.1	47.1	45.6	59.1
27	DCF070DR-14FWW0	Power	92.9	96.8	95.5	91.1	87.9	81.0	81.2	68.1	93.3
		Pressure	59.6	63.5	62.2	57.8	54.6	47.7	47.9	34.8	60.0
28	DCF073TR-13GPPY	Power	96.1	96.6	95.6	91.0	88.6	83.5	82.1	70.1	93.9
		Pressure	62.8	63.3	62.3	57.7	55.3	50.1	48.8	36.8	60.6
29	DCF078TR-14GPYY	Power	97.7	96.1	95.2	90.6	88.7	84.0	82.7	71.1	93.8
		Pressure	64.4	62.8	61.9	57.3	55.4	50.7	49.4	37.8	60.5
30	DCF082TR-13HYYV	Power	99.1	96.3	96.0	90.8	89.2	86.4	83.1	79.4	94.7
		Pressure	65.8	63.0	62.7	57.5	55.9	53.1	49.8	46.1	61.4
31	DCF085TR-14HYVV	Power	99.0	96.2	96.6	90.9	89.1	86.1	82.6	81.9	94.8
		Pressure	65.7	62.9	63.3	57.6	55.8	52.8	49.3	48.6	61.5
32	DCF075TR-16GPPY	Power	95.5	96.2	94.8	90.5	87.6	81.4	81.8	69.4	93.0
		Pressure	62.0	62.7	61.3	57.0	54.1	47.9	48.3	35.9	59.5
33	DCF082TR-15GYYY	Power	98.8	95.5	94.7	90.0	88.7	84.4	83.3	71.9	93.7
		Pressure	65.3	62.0	61.2	56.5	55.2	50.9	49.7	38.4	60.2
34	DCF085TR-16HYYV	Power	98.6	95.3	95.3	89.9	88.4	83.9	82.7	79.3	93.7
		Pressure	65.1	61.8	61.8	56.4	54.9	50.4	49.2	45.8	60.2
35	DCF090TR-15HVVV	Power	99.0	96.3	97.1	91.0	89.2	86.0	82.2	83.5	94.9
		Pressure	65.5	62.8	63.6	57.5	55.7	52.5	48.7	50.0	61.4
36	DCF092TR-15HVVW	Power	98.3	97.6	97.5	92.1	89.8	86.4	82.7	81.9	95.5
		Pressure	64.8	64.1	64.0	58.6	56.3	52.9	49.2	48.4	62.0
37	DCF094TR-15HVWW	Power	97.5	98.6	97.9	93.0	90.3	86.7	83.2	79.2	96.0
		Pressure	63.9	65.1	64.4	59.5	56.8	53.2	49.7	45.7	62.5
38	DCF096TR-15HWWW	Power	96.4	99.4	98.2	93.7	90.8	87.0	83.6	71.2	96.4
		Pressure	62.9	65.9	64.7	60.2	57.3	53.5	50.1	37.7	62.9
39	DCF080TR-17GPYY	Power	97.2	95.6	94.4	90.0	87.7	82.2	82.5	70.5	93.0
		Pressure	63.5	61.9	60.7	56.3	54.0	48.5	48.8	36.8	59.3
40	DCF085TR-18GYYY	Power	98.4	94.9	93.8	89.3	87.8	82.9	83.0	71.4	92.8
		Pressure	64.7	61.2	60.1	55.6	54.1	49.2	49.3	37.7	59.1
41	DCF088TR-17HYVV	Power	98.5	95.2	95.8	89.8	88.1	83.3	82.2	81.9	93.6
		Pressure	64.8	61.5	62.1	56.1	54.4	49.6	48.5	48.2	59.9
42	DCF093TR-18HVVV	Power	98.4	95.1	96.3	89.8	87.9	82.8	81.5	83.5	93.7
		Pressure	64.7	61.4	62.6	56.1	54.2	49.1	47.8	49.8	60.0
43	DCF095TR-18HVVW	Power	97.6	96.7	96.8	91.3	88.9	83.4	82.2	81.8	94.4
		Pressure	63.9	63.0	63.1	57.6	55.2	49.7	48.5	48.1	60.7
44	DCF098TR-18HVWW	Power	96.7	97.9	97.3	92.3	89.7	84.0	82.7	79.1	95.1
		Pressure	63.0	64.2	63.6	58.6	56.0	50.3	49.0	45.4	61.4
45	DCF100TR-18HWWW	Power	95.5	98.8	97.7	93.2	90.3	84.4	83.2	70.6	95.7
		Pressure	61.8	65.1	64.0	59.5	56.6	50.7	49.5	36.9	62.0
46	DCF088TR-19HYYV	Power	98.3	94.8	94.5	89.3	87.5	82.4	82.5	79.2	92.9
		Pressure	64.4	60.9	60.6	55.4	53.6	48.5	48.6	45.3	59.0
47	DCF090TR-20HYVV	Power	98.2	94.8	95.2	89.3	87.2	82.0	81.9	81.8	93.0
		Pressure	64.3	60.9	61.3	55.4	53.3	48.1	48.0	47.9	59.1
48	DCF095TR-21HVVV	Power	98.1	94.7	95.8	89.3	87.0	81.5	81.3	83.5	93.1
		Pressure	64.1	60.7	61.7	55.3	53.0	47.5	47.2	49.4	59.0
49	DCF098TR-21HVVW	Power	97.2	96.4	96.3	90.8	88.1	81.9	81.9	81.8	93.8
		Pressure	63.2	62.3	62.3	56.8	54.0	47.9	47.8	47.7	59.8
50	DCF101TR-21HVWW	Power	96.1	97.6	96.8	91.9	88.9	82.3	82.4	79.1	94.5
		Pressure	62.1	63.5	62.7	57.9	54.9	48.3	48.4	45.0	60.4
51	DCF103TR-21HWWW	Power	94.6	98.5	97.2	92.8	89.6	82.6	82.9	69.8	95.1
		Pressure	60.6	64.5	63.1	58.8	55.5	48.5	48.9	35.8	61.0

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 15/10°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

Technical Data DCC

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
98	DCC047DR-08EPV0	5	502.3	139.9	475.3	153.7	445.4	169.7	413.0	187.9
		6	516.6	140.8	488.9	154.7	458.2	170.8	424.9	189.1
		7	531.0	141.8	502.6	155.8	471.1	172.0	437.0	190.2
		8	545.6	142.8	516.5	156.9	484.2	173.1	449.3	191.4
		9	560.2	143.8	530.5	158.0	497.4	174.3	461.7	192.6
		10	575.0	144.9	544.6	159.1	510.8	175.5	474.3	193.8
99	DCC049DR-08EYY0	5	518.0	145.9	490.3	160.8	459.6	178.0	426.5	197.3
		6	533.0	147.0	504.4	161.9	472.9	179.1	438.9	198.4
		7	548.0	148.0	518.8	163.0	486.4	180.3	451.6	199.7
		8	563.2	149.1	533.2	164.2	500.0	181.5	464.4	200.9
		9	578.6	150.2	547.8	165.3	513.9	182.7	477.4	202.2
		10	594.0	151.3	562.6	166.5	527.8	184.0	490.6	203.5
100	DCC049DR-10EPV0	5	517.9	135.5	492.1	148.4	463.2	163.6	431.4	180.9
		6	532.9	136.2	506.6	149.2	476.8	164.4	444.2	181.8
		7	548.1	137.0	521.2	150.1	490.7	165.3	457.3	182.8
		8	563.5	137.8	535.9	150.9	504.7	166.2	470.5	183.7
		9	579.0	138.6	550.8	151.8	518.9	167.1	483.9	184.7
		10	594.5	139.4	565.8	152.6	533.2	168.1	497.5	185.6
101	DCC051DR-10EYY0	5	533.5	141.1	506.9	155.0	477.2	171.2	444.8	189.7
		6	549.2	141.9	521.9	155.8	491.4	172.1	458.1	190.6
		7	565.0	142.8	537.1	156.7	505.8	173.0	471.7	191.6
		8	581.0	143.6	552.4	157.6	520.4	174.0	485.4	192.6
		9	597.1	144.5	567.9	158.5	535.1	175.0	499.3	193.6
		10	613.4	145.4	583.5	159.5	550.0	175.9	513.5	194.6
102	DCC052DR-09DYV0	5	557.9	152.4	528.3	167.8	495.5	185.6	460.0	205.9
		6	574.1	153.4	543.6	168.8	509.9	186.8	473.5	207.1
		7	590.4	154.4	559.1	169.9	524.5	187.9	487.3	208.3
		8	606.8	155.5	574.8	171.1	539.4	189.1	501.2	209.5
		9	623.5	156.5	590.7	172.2	554.4	190.3	515.3	210.8
		10	640.2	157.6	606.7	173.4	569.5	191.6	529.6	212.0
103	DCC056DR-10DVV0	5	593.9	158.5	562.7	174.4	528.1	192.9	490.6	214.1
		6	611.2	159.5	579.1	175.4	543.6	194.0	505.1	215.3
		7	628.7	160.5	595.8	176.5	559.3	195.2	519.9	216.5
		8	646.4	161.5	612.7	177.6	575.3	196.3	534.9	217.7
		9	664.2	162.5	629.7	178.7	591.4	197.5	550.1	219.0
		10	682.3	163.5	646.9	179.8	607.8	198.7	565.5	220.2

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
104	DCC058DR-10DVW0	5	619.3	168.7	586.3	185.2	549.6	204.4	509.8	226.1
		6	637.1	169.8	603.2	186.4	565.4	205.7	524.6	227.5
		7	655.0	171.0	620.2	187.7	581.5	207.0	539.6	228.8
		8	673.2	172.2	637.5	189.0	597.7	208.4	554.8	230.3
		9	691.4	173.4	654.1	190.5	614.2	209.8	570.3	231.7
		10	709.9	174.6	672.5	191.6	630.9	211.2	586.0	233.2
105	DCC061DR-10DWW0	5	656.0	179.6	619.9	196.8	579.9	216.6	536.6	238.8
		6	674.6	181.0	637.5	198.3	596.3	218.1	552.0	240.4
		7	693.4	182.4	655.3	199.8	613.0	219.7	567.5	242.0
		8	712.4	183.8	673.2	201.3	629.9	221.3	583.2	243.6
		9	731.5	185.2	691.4	202.8	647.0	222.9	599.2	245.2
		10	750.8	186.7	709.7	204.4	664.2	224.6	615.4	246.9
106	DCC065TR-10GPPY	5	693.7	195.6	654.4	214.8	611.1	236.9	564.8	261.7
		6	713.5	197.1	673.0	216.5	628.6	238.6	581.0	263.4
		7	733.5	198.7	691.9	218.2	646.2	240.4	597.4	265.2
		8	753.7	200.4	710.9	219.9	664.1	242.2	614.0	267.0
		9	774.1	202.0	730.2	221.7	682.1	244.1	630.9	268.9
		10	794.6	203.7	749.6	223.5	700.4	245.9	648.0	270.8
107	DCC050DR-12EPV0	5	527.7	133.9	502.8	146.3	474.5	160.8	443.3	177.7
		6	543.2	134.6	517.8	147.0	488.8	161.6	456.7	178.4
		7	558.9	135.2	532.9	147.6	503.2	162.3	470.4	179.2
		8	574.8	135.8	548.2	148.3	517.8	163.0	484.2	180.0
		9	590.7	136.5	563.6	149.0	532.6	163.8	498.2	180.7
		10	606.7	137.1	579.2	149.8	547.6	164.6	512.4	181.6
108	DCC052DR-12EYY0	5	543.6	139.2	517.9	152.4	488.8	167.9	456.9	185.8
		6	559.8	139.9	533.4	153.1	503.6	168.7	470.9	186.6
		7	576.1	140.6	549.2	153.8	518.6	169.4	485.0	187.4
		8	592.6	141.3	565.0	154.6	533.8	170.2	499.4	188.2
		9	609.2	142.0	581.1	155.3	549.2	171.0	514.0	189.0
		10	625.9	142.7	597.3	156.1	564.7	171.8	528.8	189.9
109	DCC054DR-11DYV0	5	572.5	148.3	544.0	162.7	511.5	179.8	477.2	199.2
		6	589.4	149.1	560.1	163.6	527.3	180.6	491.5	200.1
		7	606.4	149.9	576.4	164.5	542.8	181.5	506.1	201.1
		8	623.6	150.8	592.9	165.4	558.5	182.5	520.9	202.1
		9	641.0	151.6	609.6	166.3	574.4	183.5	535.9	203.1
		10	658.6	152.5	626.5	167.2	590.4	184.5	551.2	204.1

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
110	DCC058DR-12DVV0	5	607.1	155.2	576.9	170.2	543.1	187.9	506.2	208.3
		6	625.0	156.0	594.1	171.1	559.4	188.8	521.5	209.3
		7	643.2	156.8	611.5	171.9	575.9	189.7	537.1	210.3
		8	661.6	157.6	629.1	172.8	592.6	190.7	552.9	211.3
		9	680.2	158.4	646.9	173.7	609.6	191.7	568.9	212.3
		10	699.0	159.3	664.9	174.6	626.7	192.6	585.1	213.3
111	DCC060DR-12DVW0	5	634.0	164.8	602.1	180.4	566.3	198.7	527.1	219.7
		6	652.4	165.7	619.7	181.4	583.0	199.8	542.8	220.8
		7	671.1	166.6	637.6	182.5	599.9	200.9	558.7	222.0
		8	690.0	167.6	655.7	183.5	617.1	202.1	574.8	223.1
		9	709.0	168.6	673.9	184.6	634.4	203.2	591.2	224.3
		10	728.2	169.6	692.4	185.7	651.9	204.4	607.8	225.6
112	DCC063DR-12DWW0	5	672.8	174.9	638.0	191.2	599.0	210.2	556.5	231.7
		6	692.3	176.1	656.5	192.5	616.5	211.5	572.8	233.0
		7	711.9	177.2	675.3	193.7	634.1	212.8	589.3	234.4
		8	731.8	178.4	694.2	195.0	652.1	214.1	606.1	235.7
		9	751.9	179.6	713.4	196.3	670.2	215.5	623.1	237.2
		10	772.1	180.8	732.7	197.6	688.5	216.9	640.3	238.6
113	DCC069TR-11GPYY	5	732.4	207.0	692.1	227.7	647.6	251.7	599.8	278.5
		6	753.5	208.6	712.0	229.4	666.3	253.4	617.2	280.3
		7	774.8	210.1	732.2	231.1	685.2	255.2	634.8	282.1
		8	796.3	211.8	752.5	232.8	704.4	257.0	652.7	283.9
		9	818.0	213.4	773.1	234.6	723.7	258.8	670.9	285.8
		10	839.9	215.1	793.9	236.4	743.3	260.7	689.3	287.7
114	DCC074TR-12GYYY	5	790.4	219.8	746.9	242.1	699.1	267.8	647.9	296.6
		6	813.5	221.4	768.7	243.8	719.6	269.6	666.9	298.5
		7	836.8	223.1	790.8	245.5	740.3	271.4	686.3	300.3
		8	860.4	224.7	813.1	247.3	761.3	273.2	706.0	302.2
		9	884.2	226.5	835.7	249.1	782.6	275.2	725.9	304.2
		10	908.3	228.2	858.6	251.0	804.1	277.1	746.1	306.2
115	DCC056DR-13DYV0	5	582.4	146.7	554.6	160.5	523.4	176.8	489.0	195.6
		6	599.8	147.4	571.3	161.2	539.2	177.5	503.9	196.4
		7	617.3	148.0	588.2	161.9	555.3	178.3	519.1	197.2
		8	635.0	148.7	605.2	162.7	571.6	179.1	534.5	198.1
		9	652.9	149.5	622.5	163.4	588.0	179.9	550.2	198.9
		10	671.0	150.2	639.9	164.2	604.7	180.7	566.0	199.8

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
116	DCC059DR-14DVV0	5	616.5	153.9	587.0	168.3	553.8	185.4	517.4	205.2
		6	634.9	154.5	604.6	169.0	570.6	186.2	533.2	206.0
		7	653.5	155.2	622.6	169.7	587.7	186.9	549.4	206.8
		8	672.3	155.9	640.7	170.5	605.0	187.7	565.7	207.7
		9	691.4	156.6	659.1	171.2	622.5	188.5	582.3	208.5
		10	710.7	157.3	677.6	172.0	640.2	189.3	599.2	209.4
117	DCC061DR-14DVW0	5	644.3	163.0	613.3	178.0	578.2	195.7	539.6	216.1
		6	663.2	163.8	631.5	178.9	595.5	196.7	555.8	217.1
		7	682.2	164.6	649.9	179.8	613.0	197.6	572.4	218.1
		8	701.8	165.4	668.5	180.7	630.8	198.6	589.1	219.1
		9	721.3	166.3	687.4	181.6	648.8	199.6	606.2	220.1
		10	741.0	167.1	706.4	182.5	666.9	200.6	623.4	221.2
118	DCC065DR-14DWW0	5	684.7	172.7	650.9	188.3	612.7	206.6	570.7	227.6
		6	704.7	173.6	670.0	189.4	630.8	207.8	587.7	228.7
		7	725.0	174.6	689.4	190.5	649.2	208.9	604.9	229.9
		8	745.4	175.6	709.1	191.6	666.5	210.3	622.1	231.2
		9	766.1	176.6	728.9	192.7	686.7	211.3	640.2	232.4
		10	787.0	177.6	749.0	193.8	705.8	212.5	658.3	233.6
119	DCC068TR-13GPPY	5	721.2	187.5	683.8	205.3	642.0	226.0	596.6	249.5
		6	742.4	188.7	703.9	206.5	661.0	227.3	614.4	250.9
		7	763.9	189.9	724.4	207.8	680.3	228.7	632.2	252.3
		8	785.6	191.1	745.0	209.2	699.8	230.1	650.7	253.7
		9	807.5	192.4	765.9	210.5	719.6	231.5	669.3	255.2
		10	829.6	193.6	787.1	211.9	739.6	233.0	688.1	256.7
120	DCC072TR-14GPYY	5	757.6	199.4	719.1	218.7	676.0	241.2	629.2	266.8
		6	780.0	200.6	740.4	220.0	696.1	242.5	648.0	268.2
		7	802.6	201.9	762.0	221.3	716.6	243.9	667.2	269.6
		8	825.4	203.1	783.8	222.6	737.3	245.3	686.6	271.1
		9	848.5	204.4	805.9	224.0	758.2	246.8	706.3	272.5
		10	871.8	205.7	828.2	225.4	779.4	248.2	726.3	274.1
121	DCC077TR-13GYYV	5	818.8	225.5	774.6	248.3	725.8	274.7	673.4	304.5
		6	842.7	227.1	797.3	249.9	747.2	276.4	693.2	306.3
		7	866.9	228.6	820.2	251.6	768.8	278.2	713.4	308.1
		8	891.3	230.3	843.4	253.3	790.6	280.0	733.9	310.0
		9	916.0	231.9	866.9	255.1	812.8	281.9	754.7	311.9
		10	941.0	233.6	890.6	256.9	835.2	283.8	775.8	313.9

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
122	DCC080TR-14GYVV	5	847.2	231.2	802.3	254.5	752.6	281.6	698.8	312.4
		6	871.9	232.7	825.8	256.1	774.7	283.3	719.5	314.2
		7	897.0	234.2	849.6	257.7	797.2	285.0	740.6	316.0
		8	922.3	235.8	873.7	259.4	819.9	286.8	761.9	317.8
		9	947.8	237.3	898.1	261.1	843.0	288.6	783.6	319.7
		10	973.6	238.9	922.7	262.8	866.2	290.4	805.5	321.6
123	DCC070TR-16GPPY	5	738.0	184.6	701.8	201.5	661.1	221.2	616.4	243.9
		6	760.0	185.6	722.9	202.5	681.1	222.3	635.2	245.1
		7	782.3	186.6	744.3	203.6	701.4	223.5	654.2	246.2
		8	804.9	187.6	765.9	204.6	721.9	224.6	673.6	247.4
		9	827.7	188.6	787.8	205.7	742.8	225.8	693.2	248.6
		10	850.8	189.6	810.0	206.9	763.8	227.0	713.2	249.9
124	DCC077TR-15GYYY	5	815.2	212.5	773.3	233.2	726.8	257.5	676.4	285.2
		6	839.5	213.8	796.5	234.6	748.7	258.9	696.9	286.6
		7	864.2	215.1	820.0	235.9	770.9	260.3	717.8	288.1
		8	889.1	216.4	843.8	237.3	793.4	261.8	738.9	289.6
		9	914.3	217.8	867.8	238.8	816.2	263.3	760.4	291.1
		10	939.8	219.2	892.2	240.3	839.3	264.9	782.2	292.7
125	DCC080TR-16GYYV	5	841.7	219.0	799.0	240.3	751.6	265.4	699.9	294.0
		6	866.7	220.3	823.0	241.6	774.2	266.8	721.2	295.5
		7	892.1	221.5	847.2	243.0	797.1	268.2	742.7	296.9
		8	917.8	222.8	871.7	244.4	820.4	269.6	764.6	298.4
		9	943.7	224.1	896.6	245.8	843.9	271.1	786.8	299.9
		10	969.9	225.5	921.7	247.2	867.8	272.6	809.4	301.5
126	DCC083TR-15GVVV	5	875.6	236.9	830.0	260.7	779.3	288.5	724.3	320.3
		6	901.2	238.3	854.4	262.2	802.3	290.1	745.8	322.0
		7	927.1	239.8	879.1	263.8	825.6	291.8	767.7	323.8
		8	953.2	241.3	904.0	265.4	849.2	293.5	789.9	325.6
		9	979.6	242.8	929.2	267.0	873.1	295.3	812.4	327.4
		10	1006.3	244.3	954.7	268.7	897.3	297.0	835.2	329.3
127	DCC086TR-15GVVW	5	913.0	247.8	864.0	272.1	809.7	300.5	751.0	332.8
		6	939.7	249.4	889.3	273.9	833.5	302.4	773.2	334.8
		7	966.7	251.1	914.9	275.7	857.6	304.3	795.7	336.8
		8	994.0	252.8	940.8	277.6	882.0	306.3	818.5	338.8
		9	1021.6	254.5	967.1	279.5	906.7	308.3	841.7	340.9
		10	1049.5	256.3	993.6	281.4	931.8	310.3	865.3	343.0

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
128	DCC088TR-15GVWW	5	942.1	258.1	891.0	283.2	834.3	312.2	773.0	345.0
		6	969.3	259.9	916.7	285.1	858.4	314.3	795.5	347.2
		7	996.9	261.8	942.8	287.2	882.9	316.4	818.3	349.3
		8	1024.7	263.7	969.2	289.2	907.7	318.6	841.5	351.5
		9	1052.8	265.7	995.9	291.3	932.8	320.8	865.0	353.8
		10	1081.1	267.6	1022.8	293.5	958.2	323.0	888.8	356.1
129	DCC091TR-15GWWW	5	971.2	268.5	918.0	294.2	858.9	323.8	795.0	357.2
		6	999.0	270.5	944.2	296.4	883.4	326.1	817.8	359.5
		7	1027.0	272.6	970.7	298.6	908.3	328.4	840.9	361.9
		8	1055.4	274.7	997.6	300.9	933.5	330.8	864.4	364.3
		9	1083.9	276.8	1024.7	303.2	958.9	333.3	888.2	366.8
		10	1112.7	279.0	1052.0	305.5	984.7	335.7	912.3	369.3
130	DCC074TR-17GPYY	5	773.5	196.6	736.2	214.8	694.2	236.4	648.1	261.2
		6	796.6	197.6	758.4	215.9	715.1	237.5	667.9	262.3
		7	820.0	198.6	780.9	217.0	736.6	238.6	688.0	263.5
		8	843.7	199.6	803.6	218.1	758.3	239.8	708.5	264.7
		9	867.6	200.7	826.6	219.2	780.2	241.0	729.2	265.9
		10	891.7	201.7	849.9	220.3	802.4	242.2	750.2	267.2
131	DCC079TR-18GYYY	5	831.5	209.5	790.8	229.2	745.2	252.5	695.5	279.3
		6	856.7	210.6	814.9	230.3	768.1	253.7	717.0	280.5
		7	881.6	211.6	839.3	231.4	791.2	254.8	738.8	281.7
		8	908.0	212.8	864.0	232.6	814.8	256.1	761.0	283.0
		9	934.1	213.9	889.1	233.8	838.6	257.3	783.5	284.2
		10	960.5	215.1	914.4	235.1	862.8	258.6	806.4	285.6
132	DCC082TR-17GYVV	5	868.2	225.6	824.8	247.5	776.3	273.2	723.5	302.9
		6	893.9	226.8	849.5	248.7	799.7	274.6	745.4	304.3
		7	920.0	228.0	874.4	250.1	823.4	276.0	767.7	305.8
		8	946.4	229.2	899.7	251.4	847.4	277.4	790.3	307.2
		9	973.1	230.5	925.3	252.7	871.7	278.9	813.3	308.7
		10	1000.0	231.8	951.1	254.1	896.3	280.3	836.5	310.3
133	DCC085TR-18GVVV	5	894.6	232.1	850.6	254.6	801.1	281.1	747.0	311.8
		6	921.1	233.3	876.0	255.8	825.2	282.5	769.6	313.2
		7	948.0	234.4	901.7	257.1	849.6	283.8	792.6	314.6
		8	975.1	235.6	927.7	258.4	874.4	285.2	816.0	316.0
		9	1002.5	236.8	954.0	259.7	899.4	286.6	839.7	317.5
		10	1030.2	238.1	980.6	261.1	924.8	288.1	863.7	319.1

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
134	DCC088TR-18GVVW	5	934.4	242.2	887.0	265.3	833.9	292.5	776.2	323.6
		6	962.2	243.6	913.5	266.8	859.0	294.0	799.6	325.2
		7	990.3	244.9	940.3	268.3	884.4	295.6	823.4	326.8
		8	1018.8	246.3	967.5	269.8	910.1	297.2	847.6	328.5
		9	1047.6	247.8	995.0	271.4	936.2	298.9	872.1	330.2
		10	1076.7	249.2	1022.8	272.9	962.6	300.5	897.0	332.0
135	DCC091TR-18GVWW	5	965.2	251.9	915.7	275.7	860.4	303.4	800.1	335.1
		6	993.5	253.4	942.8	277.3	885.9	305.2	823.9	336.9
		7	1022.2	255.0	970.2	279.0	911.8	306.9	848.1	338.7
		8	1051.3	256.6	997.9	280.7	938.0	308.8	872.7	340.6
		9	1080.6	258.1	1025.9	282.5	964.6	310.6	897.7	342.5
		10	1110.3	259.8	1054.3	284.2	991.4	312.5	923.0	344.5
136	DCC094TR-18GWWW	5	995.9	261.6	944.5	286.0	886.9	314.4	824.0	346.6
		6	1024.8	263.3	972.1	287.9	912.9	316.3	848.3	348.6
		7	1054.2	265.0	1000.0	289.7	939.2	318.3	872.9	350.6
		8	1083.8	266.8	1028.3	291.6	965.9	320.3	897.9	352.7
		9	1113.7	268.5	1056.8	293.6	992.9	322.4	923.3	354.8
		10	1143.9	270.3	1085.7	295.5	1020.3	324.4	949.0	356.9
137	DCC082TR-19GYYV	5	857.0	216.4	815.5	236.7	769.0	260.8	718.1	288.6
		6	882.9	217.4	840.3	237.8	792.5	262.0	740.2	289.8
		7	908.6	218.5	865.4	238.9	816.4	263.1	762.7	291.0
		8	935.5	219.6	890.8	240.1	840.6	264.3	785.5	292.2
		9	962.2	220.7	916.6	241.3	865.1	265.6	808.7	293.5
		10	989.3	221.8	942.6	242.5	889.9	266.8	832.3	294.8
138	DCC084TR-20GYVV	5	882.6	223.3	840.3	244.3	792.8	269.1	740.6	297.9
		6	909.0	224.3	865.8	245.4	817.0	270.3	763.4	299.1
		7	935.7	225.3	891.5	246.4	841.5	271.4	786.6	300.3
		8	963.0	226.4	917.6	247.6	866.4	272.6	810.1	301.5
		9	990.4	227.4	944.0	248.7	891.6	273.8	834.0	302.8
		10	1018.1	228.5	970.7	249.9	917.1	275.0	858.2	304.1
139	DCC087TR-21GVVV	5	908.1	230.2	865.1	251.8	816.6	277.5	763.2	307.2
		6	935.2	231.2	891.2	252.9	841.4	278.6	786.6	308.4
		7	962.7	232.2	917.7	254.0	866.7	279.7	810.4	309.6
		8	990.5	233.2	944.4	255.0	892.2	280.9	834.6	310.8
		9	1018.6	234.2	971.5	256.1	918.1	282.1	859.2	312.0
		10	1046.9	235.2	998.9	257.3	944.3	283.3	884.1	313.3

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
140	DCC090TR-21GVVW	5	949.6	239.8	903.3	262.1	851.2	288.2	794.1	318.5
		6	978.1	241.0	930.6	263.3	877.1	289.6	818.5	319.9
		7	1007.0	242.1	958.3	264.6	903.4	290.9	843.2	321.3
		8	1036.3	243.3	986.4	265.8	930.1	292.3	868.4	322.7
		9	1065.9	244.5	1014.8	267.2	957.2	293.7	893.9	324.2
		10	1095.8	245.8	1043.6	268.5	984.6	295.1	919.8	325.7
141	DCC093TR-21GVWW	5	981.4	249.1	933.3	271.9	879.0	298.7	819.5	329.6
		6	1010.6	250.4	961.2	273.3	905.5	300.2	844.3	331.1
		7	1040.1	251.7	989.5	274.8	932.4	301.8	869.5	332.7
		8	1070.0	253.0	1018.2	276.2	959.6	303.3	895.1	334.3
		9	1100.2	254.4	1047.2	277.7	987.2	304.9	921.2	336.0
		10	1130.7	255.7	1076.5	279.2	1015.1	306.5	947.5	337.6
142	DCC096TR-21GWWW	5	1013.2	258.4	963.3	281.8	906.9	309.2	844.8	340.6
		6	1043.0	259.8	991.8	283.4	933.9	310.9	870.1	342.3
		7	1073.2	261.3	1020.7	285.0	961.3	312.6	895.8	344.1
		8	1103.7	262.7	1050.0	286.6	989.0	314.3	921.9	345.9
		9	1134.5	264.2	1079.6	288.3	1017.1	316.1	948.4	347.7
		10	1165.6	265.7	1109.4	289.9	1045.6	317.9	975.3	349.6
143	DCC048DX-10EPV0	5	507.8	135.4	480.6	149.3	450.7	165.2	418.2	183.3
		6	522.3	136.4	494.5	150.3	463.7	166.3	430.3	184.4
		7	537.0	137.3	508.4	151.3	476.9	167.4	442.7	185.6
		8	551.8	138.2	522.6	152.3	490.2	168.5	455.2	186.7
		9	566.7	139.2	536.8	153.4	503.7	169.6	467.8	187.9
		10	581.7	140.2	551.2	154.4	517.4	170.7	480.7	189.1
144	DCC049DX-10EYY0	5	522.8	141.6	494.8	156.5	464.0	173.6	430.9	192.8
		6	537.9	142.6	509.1	157.5	477.6	174.7	443.5	194.0
		7	553.2	143.6	523.6	158.6	491.3	175.8	456.3	195.1
		8	568.5	144.6	538.3	159.7	505.1	177.0	469.3	196.3
		9	584.1	145.7	553.1	160.8	519.1	178.2	482.5	197.6
		10	599.7	146.8	568.1	162.0	533.3	179.4	495.8	198.8
145	DCC049DX-12EPV0	5	519.9	131.8	493.5	145.0	464.4	160.2	432.5	177.6
		6	535.0	132.5	508.0	145.8	478.1	161.1	445.4	178.5
		7	550.3	133.3	522.7	146.6	492.0	161.9	458.5	179.4
		8	565.7	134.0	537.5	147.4	506.1	162.8	471.7	180.4
		9	581.2	134.8	552.4	148.3	520.3	163.8	485.2	181.3
		10	596.8	135.6	567.5	149.2	534.7	164.7	498.8	182.3

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
146	DCC051DX-12EYY0	5	535.2	137.4	508.0	151.5	478.1	167.9	445.6	186.4
		6	550.9	138.2	523.1	152.4	492.3	168.8	458.9	187.3
		7	566.8	139.1	538.3	153.3	506.7	169.7	472.5	188.3
		8	582.8	139.9	553.6	154.2	521.4	170.6	486.3	189.3
		9	598.9	140.8	569.1	155.1	536.1	171.6	500.2	190.3
		10	615.2	141.7	584.8	156.0	549.7	173.0	514.4	191.3
147	DCC053DX-11DYV0	5	561.4	148.3	531.3	163.9	498.3	181.7	462.7	202.0
		6	577.6	149.3	546.1	165.1	512.9	182.8	476.4	203.1
		7	594.1	150.3	562.4	166.0	527.7	184.0	490.2	204.3
		8	610.6	151.4	578.2	167.1	542.6	185.1	504.2	205.6
		9	627.4	152.4	594.2	168.2	557.7	186.3	518.4	206.8
		10	644.3	153.5	610.3	169.3	573.0	187.5	532.8	208.1
148	DCC056DX-12DVV0	5	595.8	154.7	564.0	170.9	529.1	189.5	491.5	210.8
		6	613.1	155.7	580.5	171.9	544.7	190.6	506.0	212.0
		7	630.7	156.7	597.2	173.0	560.5	191.7	520.8	213.2
		8	648.4	157.7	614.1	174.0	576.4	192.9	535.8	214.4
		9	666.3	158.7	631.1	175.2	592.6	194.1	551.0	215.7
		10	684.4	159.8	648.4	176.3	609.0	195.3	566.4	216.9
149	DCC058DX-12DVW0	5	621.3	164.9	587.7	181.7	550.7	200.9	510.7	222.8
		6	639.1	166.0	604.6	182.9	566.6	202.2	525.5	224.1
		7	657.1	167.2	621.7	184.2	582.7	203.6	540.5	225.5
		8	675.2	168.4	638.9	185.4	599.0	204.9	555.7	227.0
		9	693.6	169.6	656.4	186.8	615.4	206.3	571.2	228.4
		10	712.0	170.8	674.0	188.1	632.1	207.8	586.8	229.9
150	DCC061DX-12DWW0	5	658.1	175.8	621.4	193.2	581.1	213.1	537.6	235.5
		6	676.7	177.1	639.0	194.7	597.6	214.6	552.9	237.1
		7	695.6	178.5	656.8	196.2	614.3	216.2	568.4	238.7
		8	714.6	179.9	674.8	197.7	631.2	217.8	584.1	240.3
		9	733.8	181.4	693.0	199.3	648.3	219.5	600.1	242.0
		10	753.1	182.9	711.4	200.8	665.6	221.1	616.2	243.7
151	DCC050DX-14EPV0	5	528.2	129.9	502.5	142.7	473.9	157.4	442.6	174.3
		6	543.7	130.6	517.4	143.4	488.1	158.1	455.9	175.1
		7	559.4	131.2	532.5	144.1	502.5	158.9	469.5	175.9
		8	575.2	131.9	547.8	144.8	517.1	159.7	483.3	176.7
		9	591.1	132.5	563.2	145.5	531.8	160.4	497.3	177.5
		10	607.1	133.2	578.7	146.2	546.7	161.2	511.4	178.3

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
152	DCC052DX-14EYY0	5	544.0	135.2	517.4	148.8	488.0	164.5	456.0	182.5
		6	560.1	135.9	532.9	149.5	502.8	165.3	469.9	183.3
		7	576.3	136.6	548.6	150.3	517.7	166.1	484.0	184.1
		8	592.8	137.4	564.4	151.0	532.8	166.9	498.3	185.0
		9	609.3	138.1	580.4	151.8	548.1	167.7	512.8	185.8
		10	626.0	138.9	596.5	152.6	563.6	168.5	527.5	186.7
153	DCC054DX-13DYV0	5	573.5	144.5	544.2	159.3	511.9	176.4	477.0	195.9
		6	590.3	145.3	560.3	160.2	527.2	177.3	491.3	196.9
		7	607.4	146.2	576.6	161.1	542.2	178.4	505.8	197.9
		8	624.6	147.0	593.1	162.0	558.3	179.2	520.6	198.9
		9	641.9	147.9	609.8	162.9	574.2	180.2	535.6	199.9
		10	659.5	148.8	626.6	163.9	590.2	181.2	550.7	201.0
154	DCC057DX-14DVV0	5	607.2	151.3	576.1	166.8	542.0	184.7	504.9	205.2
		6	625.1	152.1	593.2	167.6	558.2	185.6	520.2	206.2
		7	643.2	152.9	610.6	168.5	574.6	186.6	535.6	207.2
		8	661.5	153.8	628.1	169.4	591.3	187.5	551.3	208.3
		9	680.0	154.6	645.8	170.4	608.1	188.5	567.2	209.3
		10	698.7	155.5	663.8	171.3	625.2	189.5	583.3	210.4
155	DCC060DX-14DVW0	5	633.9	160.9	601.2	177.0	565.0	195.6	525.6	216.7
		6	652.3	161.9	618.7	178.1	581.6	196.7	541.2	217.8
		7	671.0	162.9	636.5	179.1	598.5	197.8	557.0	219.0
		8	689.8	163.9	654.5	180.2	615.5	199.0	573.0	220.2
		9	708.7	164.9	672.7	181.3	632.8	200.2	589.2	221.5
		10	727.8	165.9	691.0	182.5	650.2	201.4	605.7	222.7
156	DCC063DX-14DWW0	5	672.6	171.2	636.9	187.9	597.5	207.1	554.7	228.7
		6	692.0	172.4	655.3	189.2	614.8	208.4	570.9	230.1
		7	711.6	173.6	674.0	190.5	632.4	209.8	587.3	231.5
		8	731.4	174.8	692.8	191.8	650.2	211.2	603.9	233.0
		9	751.3	176.0	711.9	193.1	668.2	212.6	620.8	234.4
		10	771.5	177.2	731.1	194.5	686.4	214.0	637.9	235.9
157	DCC066TX-13GPPY	5	705.5	188.3	666.1	207.4	623.0	229.1	576.7	253.6
		6	725.8	189.8	685.3	208.9	641.0	230.7	593.4	255.3
		7	745.6	191.5	703.8	210.8	659.2	232.4	610.3	257.0
		8	767.1	192.7	724.4	212.1	677.7	234.0	627.5	258.7
		9	788.1	194.3	744.3	213.7	696.4	235.8	644.9	260.4
		10	809.2	195.8	764.3	215.4	715.3	237.5	662.6	262.2

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
158	DCC070TX-14GPYY	5	741.9	200.2	701.2	220.8	656.8	244.5	608.7	271.3
		6	763.3	201.6	721.6	222.4	675.9	246.1	626.7	272.9
		7	785.0	203.1	742.2	224.0	695.3	247.8	644.1	274.8
		8	807.0	204.6	763.0	225.6	714.9	249.5	663.1	276.3
		9	829.1	206.2	784.1	227.3	734.8	251.2	681.7	278.1
		10	851.4	207.8	805.3	228.9	754.8	253.0	700.5	280.0
159	DCC055DX-15DYV0	5	582.2	142.4	553.5	156.7	521.8	173.3	487.3	192.2
		6	599.5	143.2	570.1	157.5	537.6	174.1	502.2	193.1
		7	616.9	143.9	586.9	158.2	553.6	174.9	517.3	193.9
		8	634.6	144.6	603.8	159.0	569.8	175.7	532.6	194.8
		9	652.4	145.4	621.0	159.8	586.1	176.5	548.1	195.6
		10	670.2	146.1	638.3	160.6	602.7	177.4	563.8	196.5
160	DCC059DX-16DVV0	5	615.7	149.4	585.2	164.4	551.5	181.8	515.0	201.7
		6	634.0	150.1	602.7	165.1	568.2	182.5	530.7	202.6
		7	652.5	150.8	620.5	165.9	585.2	183.4	546.7	203.4
		8	671.3	151.5	638.5	166.7	602.3	184.2	562.9	204.3
		9	690.2	152.3	656.8	167.5	619.7	185.0	579.3	205.2
		10	709.4	153.0	675.2	168.3	637.3	185.9	596.0	206.1
161	DCC061DX-16DVW0	5	643.3	158.6	611.2	174.2	575.6	192.2	536.8	212.8
		6	662.1	159.5	629.3	175.1	592.8	193.2	552.9	213.8
		7	681.2	160.3	647.6	176.1	610.2	194.2	569.3	214.8
		8	700.4	161.2	666.1	177.0	627.8	195.2	585.9	215.9
		9	719.9	162.1	684.8	178.0	645.6	196.2	602.8	217.0
		10	739.5	163.0	703.7	178.9	663.7	197.2	619.8	218.1
162	DCC065DX-16DWW0	5	683.4	168.4	648.4	184.7	609.7	203.2	567.5	224.4
		6	703.3	169.5	667.5	185.8	627.7	204.4	584.3	225.6
		7	723.4	170.5	686.7	186.9	645.9	205.6	601.4	226.8
		8	743.7	171.5	706.2	188.0	664.4	206.8	618.7	228.1
		9	764.3	172.6	725.8	189.2	683.1	208.1	636.3	229.4
		10	785.0	173.7	745.7	190.4	701.9	209.3	654.1	230.7
163	DCC068TX-16GPPY	5	726.0	182.1	687.8	200.1	645.9	220.8	600.5	244.3
		6	747.3	183.3	708.2	201.4	665.1	222.1	618.4	245.6
		7	769.0	184.4	728.8	202.6	684.5	223.4	636.6	247.0
		8	790.8	185.6	749.6	203.9	704.3	224.8	655.1	248.4
		9	812.9	186.9	770.7	205.2	724.2	226.2	673.8	249.8
		10	835.2	188.1	792.1	206.6	744.4	227.6	692.8	251.3

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
164	DCC075TX-15GYYY	5	798.0	213.3	754.0	235.6	706.1	261.2	654.7	290.0
		6	821.4	214.9	776.1	237.2	726.9	262.9	671.3	292.9
		7	845.0	216.4	798.5	238.9	748.0	264.6	693.7	293.5
		8	868.9	218.1	821.2	240.6	769.3	266.4	713.6	295.4
		9	893.1	219.7	844.1	242.4	790.9	268.3	733.9	297.3
		10	917.4	221.4	867.3	244.2	812.8	270.1	754.4	299.2
165	DCC077TX-16GYYV	5	824.8	219.3	780.0	242.2	731.0	268.6	678.4	298.4
		6	848.9	220.8	802.9	243.8	752.6	270.2	696.6	300.9
		7	873.3	222.3	826.0	245.4	774.4	272.0	718.8	302.0
		8	898.0	223.9	849.5	247.1	796.5	273.7	739.5	303.8
		9	922.9	225.5	873.2	248.8	818.9	275.5	760.5	305.7
		10	948.1	227.2	897.2	250.6	841.5	277.4	781.8	307.6
166	DCC072TX-17GPYY	5	761.3	194.0	721.9	213.5	678.6	236.1	631.7	261.7
		6	783.7	195.1	743.3	214.8	698.9	237.4	650.6	263.1
		7	806.4	196.4	765.0	216.1	719.4	238.8	669.9	264.5
		8	829.4	197.6	787.0	217.4	740.2	240.2	689.4	265.9
		9	852.5	198.9	809.2	218.8	761.3	241.6	709.2	267.4
		10	875.9	200.1	831.6	220.1	781.0	243.5	729.3	268.9
167	DCC077TX-18GYYY	5	817.9	206.9	775.0	228.1	728.2	252.5	677.7	280.2
		6	842.3	208.2	798.3	229.4	750.1	253.9	698.2	281.7
		7	867.0	209.5	821.8	230.8	772.4	255.3	719.1	283.1
		8	891.9	210.9	845.6	232.2	795.0	256.8	740.3	284.7
		9	917.2	212.2	869.8	233.6	817.8	258.3	761.7	286.2
		10	942.7	213.6	894.2	235.1	841.0	259.8	783.5	287.8
168	DCC080TX-17GYVV	5	851.6	225.3	805.9	248.8	756.0	275.9	702.0	306.8
		6	876.5	226.7	829.6	250.4	778.3	277.6	721.9	309.0
		7	901.7	228.2	853.6	252.0	800.9	279.3	743.9	310.4
		8	927.1	229.7	877.8	253.6	823.7	281.1	765.4	312.2
		9	952.8	231.3	902.3	255.3	846.9	282.8	787.1	314.1
		10	978.7	232.9	927.0	257.0	870.3	284.6	809.1	316.0
169	DCC083TX-18GVVV	5	878.4	231.2	831.9	255.4	780.9	283.3	725.6	315.3
		6	904.1	232.6	856.4	256.9	804.0	285.0	747.2	317.0
		7	930.0	234.1	881.1	258.5	827.3	286.7	769.0	318.8
		8	956.2	235.6	906.1	260.1	850.9	288.4	791.2	320.6
		9	982.6	237.1	931.3	261.7	874.9	290.1	813.7	322.4
		10	1009.3	238.6	956.9	263.4	899.1	291.9	836.5	324.3

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
170	DCC086TX-18GVVW	5	916.0	242.0	866.0	266.8	811.4	295.4	752.4	327.8
		6	942.7	243.7	891.4	268.6	835.2	297.3	774.5	329.8
		7	969.8	245.4	917.1	270.4	859.3	299.2	797.0	331.8
		8	997.2	247.1	943.0	272.3	883.8	301.1	819.9	333.8
		9	1024.8	248.8	969.3	274.2	908.6	303.1	843.1	335.9
		10	1052.7	250.6	995.9	276.1	933.7	305.2	866.6	338.0
171	DCC088TX-18GVWW	5	945.2	252.4	893.1	277.8	836.0	307.0	774.4	340.0
		6	972.5	254.2	918.9	279.8	860.2	309.1	796.8	342.2
		7	1000.0	256.1	945.1	281.8	884.8	311.2	819.7	344.4
		8	1027.9	258.0	971.5	283.9	909.6	313.4	842.8	346.6
		9	1056.0	260.0	998.2	286.0	934.8	315.6	866.3	348.9
		10	1084.4	261.9	1025.2	288.1	960.2	317.9	890.1	351.2
172	DCC091TX-18GWWW	5	974.4	262.7	920.2	288.8	860.7	318.6	796.4	352.2
		6	1002.2	264.8	946.5	291.0	885.3	320.9	819.1	354.6
		7	1030.3	266.8	973.1	293.3	910.2	323.3	842.3	356.9
		8	1058.7	268.9	999.9	295.5	935.4	325.7	865.7	359.4
		9	1087.3	271.1	1027.1	297.8	960.9	328.1	889.5	361.9
		10	1116.1	273.3	1054.5	300.2	986.7	330.6	913.6	364.4
173	DCC070TX-19GPPY	5	739.7	179.1	702.5	196.4	661.4	216.4	616.7	239.1
		6	761.8	180.1	723.6	197.5	681.4	217.5	635.4	240.2
		7	784.1	181.1	745.0	198.5	701.7	218.6	654.5	241.4
		8	806.7	182.1	766.6	199.6	722.2	219.7	673.8	242.6
		9	829.5	183.1	788.6	200.7	743.1	220.9	693.5	243.8
		10	852.6	184.1	810.7	201.8	764.2	222.1	713.4	245.1
174	DCC074TX-20GPYY	5	774.6	190.8	736.2	209.7	693.7	231.4	647.5	256.3
		6	797.2	191.9	758.3	210.7	714.7	232.5	667.3	257.4
		7	821.1	192.9	780.8	211.8	736.1	233.7	687.3	258.6
		8	844.7	193.9	803.5	212.9	757.7	234.9	707.7	259.8
		9	868.6	195.0	826.4	214.1	779.6	236.1	727.8	261.2
		10	892.6	196.1	849.6	215.2	801.8	237.3	749.4	262.4
175	DCC079TX-21GYYY	5	832.0	203.5	789.9	223.9	743.9	247.4	694.1	274.3
		6	857.1	204.6	813.9	225.0	766.6	248.6	715.4	275.6
		7	882.5	205.8	838.3	226.2	789.7	249.8	737.2	276.8
		8	908.2	206.9	862.9	227.4	813.2	251.1	759.2	278.1
		9	934.2	208.1	887.9	228.6	836.9	252.4	781.6	279.4
		10	959.9	209.4	913.2	229.9	861.0	253.7	804.4	280.8

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data AC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
176	DCC080TX-19GYYV	5	843.6	213.4	799.8	235.2	752.0	260.4	700.2	289.2
		6	868.6	214.6	823.8	236.5	774.6	261.8	721.4	290.6
		7	894.0	215.9	848.0	237.9	797.5	263.2	742.9	292.1
		8	919.7	217.2	872.5	239.2	820.8	264.7	764.7	293.6
		9	945.6	218.5	897.4	240.7	844.3	266.2	786.9	295.2
		10	971.8	219.9	922.5	242.1	868.2	267.7	809.4	296.8
177	DCC081TX-22GYYV	5	857.0	210.2	814.1	231.2	767.0	255.6	715.9	283.5
		6	882.7	211.3	838.8	232.3	790.4	256.8	737.9	284.8
		7	908.8	212.4	863.8	233.5	814.2	258.0	760.3	286.0
		8	935.1	213.5	889.1	234.7	838.3	259.2	783.0	287.3
		9	961.8	214.6	914.7	235.9	862.6	260.5	806.0	288.6
		10	988.3	215.9	940.6	237.1	887.4	261.8	829.4	290.0
178	DCC082TX-20GYVV	5	869.2	219.8	824.7	242.3	775.7	268.3	722.6	298.1
		6	894.9	221.0	849.3	243.6	799.0	269.7	744.5	299.6
		7	921.0	222.3	874.2	244.9	822.7	271.1	766.7	301.0
		8	947.4	223.5	899.4	246.3	846.6	272.6	789.2	302.6
		9	974.0	224.8	924.9	247.7	870.8	274.0	812.1	304.1
		10	1000.8	226.2	950.7	249.1	895.4	275.5	835.3	305.7
179	DCC085TX-21GVVV	5	894.9	226.3	849.5	249.4	799.5	276.3	745.1	307.1
		6	921.3	227.4	874.8	250.7	823.5	277.6	767.6	308.5
		7	948.0	228.6	900.4	252.0	847.8	279.0	790.5	310.0
		8	975.1	229.9	926.3	253.3	872.4	280.5	813.7	311.5
		9	1002.4	231.1	952.5	254.7	897.4	281.9	837.3	313.1
		10	1029.9	232.4	979.0	256.1	922.6	283.4	861.1	314.6
180	DCC088TX-21GVVW	5	934.5	236.4	885.7	260.2	832.1	287.7	774.0	319.0
		6	962.2	237.8	912.0	261.7	857.0	289.3	797.3	320.7
		7	990.2	239.3	938.8	263.3	882.3	290.9	820.9	322.4
		8	1018.5	240.7	965.9	264.8	907.9	292.5	845.0	324.1
		9	1047.2	242.2	993.2	266.4	933.8	294.2	869.3	325.9
		10	1076.2	243.7	1020.9	268.0	960.1	296.0	894.1	327.7
181	DCC091TX-21GVWW	5	965.1	246.2	914.3	270.6	858.4	298.7	797.7	330.6
		6	993.3	247.8	941.2	272.3	883.8	300.5	821.4	332.5
		7	1021.9	249.4	968.5	274.1	909.5	302.3	845.4	334.4
		8	1050.9	251.0	996.1	275.8	935.6	304.2	869.8	336.3
		9	1080.1	252.6	1024.0	277.6	961.9	306.1	894.6	338.3
		10	1109.6	254.3	1052.1	279.4	988.7	308.0	919.7	340.3
182	DCC094TX-21GWWW	5	995.6	256.0	942.9	281.1	884.7	309.7	821.4	342.2
		6	1024.5	257.7	970.3	282.9	910.5	311.7	845.5	344.3
		7	1053.7	259.5	998.1	284.8	936.7	313.7	869.9	346.3
		8	1083.2	261.3	1026.3	286.8	963.2	315.8	894.7	348.5
		9	1112.9	263.1	1054.7	288.8	990.1	317.9	919.9	350.6
		10	1143.0	264.9	1083.3	290.8	1017.2	320.0	945.3	352.9

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
98	DCC047DR-08EPV0	5	504.7	138.8	479.9	152.8	452.0	168.9	420.0	186.7
		6	519.3	139.8	494.0	153.9	465.1	169.9	432.3	187.7
		7	534.2	140.7	508.2	154.9	478.4	171.0	444.8	188.8
		8	549.1	141.8	522.6	156.0	491.8	172.0	457.5	189.8
		9	564.2	142.8	537.1	157.1	505.4	173.1	470.3	190.9
		10	579.4	143.8	551.8	158.2	519.2	174.2	483.3	192.1
99	DCC049DR-08EYY0	5	521.9	145.4	496.5	160.1	466.4	176.8	433.8	195.7
		6	537.5	146.5	511.0	161.1	480.1	177.9	446.7	196.7
		7	553.2	147.5	525.7	162.2	494.0	178.9	459.7	197.8
		8	569.2	148.7	540.5	163.2	508.0	180.0	472.9	198.9
		9	585.2	149.7	555.5	164.3	522.2	181.1	486.3	200.1
		10	601.0	150.7	570.6	165.3	536.6	182.3	499.9	201.3
100	DCC049DR-10EPV0	5	514.6	132.5	490.6	146.3	464.4	162.4	435.1	180.4
		6	529.9	133.4	505.7	147.4	478.5	163.3	448.3	181.4
		7	545.1	134.3	520.7	148.3	492.9	164.3	461.8	182.3
		8	560.7	135.2	535.6	149.2	507.5	165.4	475.4	183.3
		9	576.5	136.1	551.2	150.3	522.3	166.4	489.3	184.3
		10	592.3	137.0	566.4	151.2	537.2	167.4	503.4	185.3
101	DCC051DR-10EYY0	5	530.8	138.6	506.5	153.3	479.6	170.4	450.0	189.6
		6	546.7	139.6	521.9	154.3	494.4	171.4	464.1	190.7
		7	562.2	140.4	537.5	155.3	509.3	172.4	477.9	191.5
		8	578.5	141.4	553.3	156.3	524.6	173.5	492.0	192.4
		9	595.4	142.5	569.3	157.4	540.0	174.5	506.3	193.3
		10	611.5	143.4	585.4	158.4	555.6	175.6	520.7	194.3
102	DCC052DR-09DYV0	5	560.1	151.4	533.4	167.1	502.4	184.9	467.5	204.6
		6	576.8	152.5	549.3	168.1	517.2	185.9	481.4	205.7
		7	593.8	153.6	565.3	169.2	532.2	187.0	495.5	206.8
		8	610.9	154.7	581.6	170.3	547.5	188.0	509.8	207.9
		9	628.0	155.7	598.1	171.4	562.9	189.1	524.4	209.0
		10	645.2	156.8	614.7	172.6	578.4	190.3	539.1	210.2
103	DCC056DR-10DVV0	5	593.9	157.0	566.7	173.7	535.0	192.6	498.0	213.3
		6	611.7	158.1	583.9	174.9	550.9	193.6	512.9	214.4
		7	629.8	159.2	601.4	176.0	567.0	194.6	528.1	215.4
		8	648.1	160.3	619.1	177.2	583.3	195.7	543.5	216.5
		9	666.6	161.4	637.0	178.3	599.9	196.7	559.1	217.6
		10	685.3	162.6	655.0	179.5	616.6	197.8	575.0	218.8

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C)							
			25°C		30°C		35°C		40°C	
			Output kW	Input kW	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW
104	DCC058DR-10DVW0	5	621.2	167.5	592.2	184.6	557.3	203.7	518.1	224.9
		6	639.7	168.8	609.6	185.9	573.6	204.9	533.3	226.2
		7	658.3	170.1	627.3	187.1	590.1	206.1	548.8	227.4
		8	677.2	171.3	645.2	188.4	606.8	207.4	564.5	228.7
		9	696.3	172.6	663.2	189.6	623.7	208.6	580.4	230.0
		10	715.6	173.9	681.5	190.9	640.8	209.9	596.6	231.3
105	DCC061DR-10DWW0	5	660.4	178.9	628.0	196.3	588.8	215.5	546.2	237.3
		6	679.9	180.4	646.1	197.6	605.7	216.9	562.0	238.7
		7	699.7	181.8	664.3	199.0	622.9	218.4	578.0	240.2
		8	719.7	183.3	682.8	200.4	640.3	219.8	594.3	241.6
		9	740.0	184.8	701.4	201.8	657.9	221.3	610.9	243.2
		10	760.0	186.2	720.2	203.3	675.7	222.9	627.6	244.7
106	DCC065TR-10GPPY	5	701.3	194.8	663.9	213.5	621.5	235.0	575.9	259.1
		6	721.8	196.3	683.1	215.0	639.5	236.6	592.6	260.7
		7	742.5	197.8	702.5	216.6	657.7	238.2	609.6	262.3
		8	763.4	199.4	722.1	218.2	676.2	239.8	626.9	264.0
		9	784.5	200.9	742.0	219.8	694.8	241.5	644.4	265.7
		10	805.6	202.4	762.0	221.4	713.7	243.2	662.1	267.4
107	DCC050DR-12EPV0	5	521.3	128.1	497.5	141.6	470.7	157.1	441.2	174.8
		6	536.8	128.9	512.5	142.5	485.1	158.0	454.7	175.7
		7	552.5	129.7	527.7	143.3	499.4	158.8	468.6	176.6
		8	568.4	130.5	543.1	144.2	514.2	159.7	482.5	177.4
		9	584.3	131.3	558.6	145.0	529.5	160.7	497.1	178.5
		10	600.4	132.1	574.3	145.9	544.0	161.4	511.5	179.4
108	DCC052DR-12EYY0	5	537.6	133.9	513.2	148.3	485.9	164.8	455.8	183.5
		6	553.7	134.7	528.8	149.1	500.2	165.5	469.7	184.3
		7	570.0	135.6	544.7	150.0	516.1	166.6	484.3	185.3
		8	586.5	136.5	560.7	150.9	531.5	167.5	499.0	186.3
		9	603.2	137.3	576.9	151.8	546.6	168.3	514.0	187.2
		10	619.9	138.2	593.2	152.7	562.5	169.3	529.3	188.2
109	DCC054DR-11DYV0	5	568.9	145.1	542.3	160.5	513.4	178.4	481.4	198.7
		6	585.6	146.0	559.1	161.6	529.2	179.5	496.3	199.7
		7	602.9	147.0	575.6	162.5	545.2	180.5	511.4	200.7
		8	620.4	148.0	592.6	163.6	561.5	181.6	526.7	201.7
		9	638.1	149.0	609.9	164.7	578.1	182.7	542.2	202.7
		10	655.9	150.0	627.1	165.7	594.8	183.8	558.0	203.8

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
110	DCC058DR-12DVV0	5	602.3	151.3	573.8	167.4	543.1	186.1	509.1	207.5
		6	620.4	152.3	591.4	168.4	559.8	187.2	525.1	208.6
		7	638.7	153.2	609.1	169.4	576.9	188.2	541.3	209.7
		8	657.3	154.2	627.2	170.4	594.2	189.3	557.8	210.8
		9	676.1	155.2	645.4	171.5	611.7	190.4	574.6	211.9
		10	695.1	156.2	663.9	172.6	629.5	191.5	591.7	213.1
111	DCC060DR-12DVW0	5	630.1	161.4	600.6	178.1	568.2	197.4	532.3	219.3
		6	648.8	162.5	618.7	179.3	585.5	198.7	548.5	220.5
		7	667.5	163.6	637.3	180.5	603.1	199.9	564.9	221.7
		8	686.7	164.7	655.7	181.7	621.0	201.2	581.6	222.8
		9	706.1	165.9	674.5	182.9	639.1	202.5	598.6	224.0
		10	725.7	167.0	693.6	184.1	657.4	203.7	615.8	225.3
112	DCC063DR-12DWW0	5	669.4	172.1	638.5	189.6	603.4	209.5	564.3	231.8
		6	689.3	173.4	657.7	191.0	621.7	211.0	581.0	233.0
		7	709.5	174.8	677.1	192.4	640.2	212.4	597.9	234.3
		8	729.9	176.1	696.8	193.8	659.1	213.9	615.1	235.6
		9	750.5	177.4	716.7	195.2	678.3	215.4	632.6	236.9
		10	771.4	178.8	736.9	196.7	697.7	216.9	650.3	238.2
113	DCC069TR-11GPYY	5	739.0	206.2	701.4	226.6	657.8	249.9	610.7	276.1
		6	760.9	207.8	721.9	228.2	677.0	251.4	628.7	277.7
		7	783.1	209.4	742.6	229.7	696.5	253.1	646.9	279.3
		8	805.6	211.0	763.5	231.3	716.3	254.7	665.5	281.0
		9	828.1	212.5	784.7	232.9	736.3	256.4	684.3	282.7
		10	850.6	214.1	806.0	234.5	756.5	258.1	703.3	284.4
114	DCC074TR-12GYYY	5	797.2	219.1	756.8	241.0	709.8	266.0	659.3	294.2
		6	821.4	220.8	779.1	242.6	730.9	267.6	679.0	295.8
		7	846.0	222.5	801.8	244.2	752.3	269.3	699.0	297.5
		8	870.6	224.2	824.7	245.8	773.9	271.0	719.3	299.2
		9	895.0	225.7	847.9	247.5	795.8	272.7	740.0	301.0
		10	919.6	227.3	871.4	249.2	818.0	274.5	760.9	302.8
115	DCC056DR-13DYV0	5	575.6	140.6	549.2	155.7	519.3	173.0	487.1	192.8
		6	592.9	141.5	565.9	156.6	535.7	174.0	502.3	193.8
		7	610.4	142.3	582.8	157.5	551.9	174.9	517.6	194.7
		8	628.1	143.2	600.0	158.4	568.2	175.8	533.4	195.7
		9	646.0	144.1	617.4	159.4	585.0	176.8	549.5	196.7
		10	664.1	145.0	634.5	160.2	601.5	177.7	565.8	197.7

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
116	DCC059DR-14DVV0	5	608.8	147.0	580.7	162.9	549.3	181.1	514.9	201.9
		6	627.2	147.9	598.4	163.8	566.2	182.0	530.4	202.7
		7	645.7	148.7	616.3	164.7	583.5	183.0	547.4	203.9
		8	664.6	149.6	634.6	165.6	600.0	183.7	563.6	204.8
		9	683.6	150.5	653.0	166.5	618.7	184.9	580.6	205.8
		10	702.9	151.4	671.7	167.5	636.7	185.9	597.9	206.8
117	DCC061DR-14DVW0	5	637.1	156.8	607.7	173.2	574.4	191.9	538.3	213.4
		6	656.0	157.8	626.0	174.3	592.0	193.1	555.0	214.6
		7	675.2	158.8	644.6	175.4	609.8	194.2	571.7	215.7
		8	694.6	159.8	663.4	176.4	627.9	195.4	588.9	216.9
		9	714.2	160.9	682.5	177.6	646.3	196.5	606.5	218.1
		10	734.0	161.9	701.3	178.6	664.9	197.7	624.3	219.3
118	DCC065DR-14DWW0	5	677.9	167.2	646.2	184.3	609.9	203.5	571.0	225.6
		6	698.0	168.4	665.5	185.5	628.5	204.9	588.5	227.0
		7	718.4	169.6	685.2	186.8	647.4	206.2	606.4	228.3
		8	739.0	170.8	704.2	187.9	666.5	207.6	624.6	229.7
		9	759.8	172.1	725.3	189.4	685.9	209.0	643.1	231.2
		10	780.8	173.3	745.8	190.7	705.6	210.4	661.9	232.6
119	DCC068TR-13GPPY	5	717.8	184.4	684.2	203.4	646.5	225.2	604.6	249.5
		6	739.8	185.9	705.0	204.9	666.4	226.7	623.0	250.9
		7	761.1	187.1	726.2	206.3	686.6	228.2	641.5	252.2
		8	783.3	188.6	747.6	207.8	707.1	229.7	660.3	253.5
		9	806.1	190.1	769.3	209.3	728.0	231.3	679.3	254.8
		10	828.6	191.5	791.4	210.8	748.9	232.8	698.6	256.2
120	DCC072TR-14GPYY	5	754.0	196.0	718.9	216.5	679.9	240.2	637.0	266.8
		6	776.5	197.4	740.8	218.0	700.9	241.7	656.7	268.2
		7	799.0	198.7	763.1	219.5	722.3	243.2	676.4	269.6
		8	822.3	200.1	785.7	221.0	743.9	244.7	696.3	270.9
		9	846.4	201.7	808.5	222.5	765.9	246.3	716.5	272.2
		10	869.8	203.1	831.6	224.0	788.1	247.9	737.0	273.6
121	DCC077TR-13GYYV	5	823.2	224.3	783.0	247.2	736.3	273.3	684.6	302.5
		6	848.1	225.9	806.4	248.8	758.2	274.9	705.1	304.1
		7	873.3	227.6	830.1	250.4	780.4	276.5	725.9	305.8
		8	898.8	229.2	854.1	252.1	802.9	278.2	747.0	307.5
		9	924.1	230.8	878.4	253.8	825.7	279.9	768.5	309.2
		10	949.8	232.5	902.9	255.5	848.7	281.6	790.2	310.9

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
122	DCC080TR-14GYVV	5	849.2	229.4	809.2	253.4	762.8	280.7	709.8	310.8
		6	874.8	231.0	833.6	255.0	785.5	282.2	731.1	312.4
		7	900.7	232.7	858.3	256.7	808.6	283.8	752.7	314.0
		8	926.9	234.3	883.4	258.4	831.9	285.4	774.7	315.7
		9	953.3	236.0	908.8	260.1	855.5	287.0	797.0	317.3
		10	979.9	237.6	934.5	261.8	879.4	288.7	819.6	319.1
123	DCC070TR-16GPPY	5	729.4	177.4	695.1	195.8	656.6	216.9	614.5	240.7
		6	751.4	178.6	716.3	197.1	676.9	218.2	633.2	241.9
		7	773.7	179.8	737.8	198.4	696.6	219.2	652.8	243.3
		8	796.3	181.1	759.6	199.7	717.8	220.7	672.7	244.7
		9	819.2	182.3	781.8	201.0	739.4	222.2	693.0	246.1
		10	842.3	183.6	804.2	202.3	760.4	223.5	713.5	247.6
124	DCC077TR-15GYYY	5	811.3	208.9	773.2	230.9	731.1	256.4	685.1	285.2
		6	835.2	210.2	797.1	232.5	753.9	258.0	706.3	286.6
		7	860.3	211.7	821.3	234.0	777.1	259.6	727.7	288.0
		8	886.5	213.4	845.9	235.6	800.7	261.2	749.3	289.4
		9	911.6	214.8	870.8	237.2	824.7	262.9	771.3	290.8
		10	937.8	216.4	896.1	238.9	849.0	264.5	793.7	292.2
125	DCC080TR-16GYYV	5	836.7	214.6	797.7	237.4	754.3	263.7	707.0	293.6
		6	861.5	216.0	822.2	238.9	777.8	265.3	729.0	295.1
		7	887.3	217.4	846.8	240.4	801.6	266.9	751.2	296.5
		8	913.8	219.1	872.0	242.0	825.8	268.5	773.8	298.0
		9	939.8	220.5	897.8	243.6	850.4	270.1	796.7	299.5
		10	966.6	222.0	923.6	245.2	875.4	271.8	820.0	301.0
126	DCC083TR-15GVVV	5	875.1	234.6	835.4	259.6	789.3	288.0	735.0	319.1
		6	901.4	236.2	860.8	261.3	812.9	289.5	757.1	320.7
		7	928.1	237.8	886.6	263.0	836.7	291.0	779.6	322.3
		8	955.1	239.4	912.7	264.7	860.9	292.6	802.3	323.9
		9	982.4	241.1	939.2	266.4	885.3	294.2	825.5	325.5
		10	1010.0	242.7	966.0	268.1	910.1	295.8	848.9	327.2
127	DCC086TR-15GVVW	5	915.0	245.9	871.9	271.3	820.9	299.7	763.0	331.3
		6	942.6	247.7	898.1	273.1	845.3	301.4	785.8	333.0
		7	970.6	249.5	924.8	274.9	870.0	303.2	809.0	334.8
		8	999.1	251.4	951.8	276.8	895.1	305.0	832.5	336.7
		9	1027.9	253.3	979.2	278.7	920.5	306.8	856.4	338.5
		10	1057.0	255.1	1006.8	280.5	946.2	308.6	880.6	340.5

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
128	DCC088TR-15GVWW	5	946.1	256.6	900.9	282.4	846.4	311.0	785.9	343.1
		6	974.4	258.6	927.4	284.3	871.2	312.9	809.1	345.1
		7	1003.2	260.6	954.4	286.2	896.4	314.9	832.7	347.0
		8	1032.3	262.7	981.7	288.2	921.9	316.9	856.6	349.1
		9	1061.8	264.7	1009.3	290.2	947.7	318.9	880.8	351.1
		10	1091.6	266.7	1037.1	292.2	973.8	321.0	905.4	353.2
129	DCC091TR-15GWWW	5	977.3	267.4	929.9	293.5	871.9	322.3	808.9	355.0
		6	1006.3	269.5	956.7	295.5	897.2	324.4	832.5	357.1
		7	1035.7	271.7	984.0	297.6	922.8	326.6	856.4	359.3
		8	1065.6	273.9	1011.5	299.7	948.7	328.8	880.6	361.5
		9	1095.7	276.1	1039.3	301.8	974.9	331.0	905.3	363.7
		10	1126.1	278.3	1067.4	303.9	1001.5	333.3	930.2	366.0
130	DCC074TR-17GPYY	5	764.7	188.9	729.3	208.9	689.7	231.8	646.2	257.8
		6	787.8	190.2	751.6	210.2	710.4	233.0	666.0	259.0
		7	811.1	191.4	774.2	211.5	732.4	234.4	686.6	260.4
		8	834.8	192.7	797.1	212.8	754.7	235.9	707.6	261.8
		9	858.8	194.0	820.4	214.2	776.5	237.1	729.0	263.3
		10	882.9	195.3	843.9	215.5	799.0	238.5	750.7	264.8
131	DCC079TR-18GYYY	5	822.2	201.7	783.8	223.2	740.0	247.6	693.7	275.8
		6	847.4	203.0	808.0	224.6	764.1	249.3	715.7	277.3
		7	872.9	204.4	832.6	226.0	787.6	250.7	738.1	278.8
		8	898.6	205.7	857.5	227.4	810.8	252.0	761.0	280.3
		9	924.8	207.1	882.8	228.8	835.2	253.5	784.2	281.8
		10	951.3	208.6	908.5	230.3	859.9	255.0	807.8	283.3
132	DCC082TR-17GYVV	5	862.0	220.4	822.1	243.9	777.5	271.0	728.9	302.0
		6	887.8	221.7	847.3	245.4	801.6	272.6	751.7	303.5
		7	914.2	223.2	872.3	246.8	826.1	274.1	774.8	305.1
		8	941.2	224.7	898.2	248.3	851.0	275.8	798.2	306.6
		9	968.0	226.2	924.9	250.0	876.2	277.4	822.1	308.2
		10	995.3	227.7	951.1	251.5	901.8	279.0	846.4	309.8
133	DCC085TR-18GVVV	5	887.4	226.1	846.6	250.4	800.6	278.3	750.8	310.4
		6	914.1	227.5	872.4	251.9	825.4	279.8	774.3	312.0
		7	941.1	228.9	897.8	253.2	850.5	281.4	798.3	313.6
		8	968.5	230.4	924.4	254.7	876.1	283.0	822.7	315.3
		9	996.2	231.8	951.9	256.4	902.0	284.6	847.5	316.9
		10	1024.1	233.3	978.6	257.8	928.2	286.3	872.7	318.6

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
134	DCC088TR-18GVVW	5	927.8	236.8	884.0	261.6	835.8	290.3	782.7	322.8
		6	956.2	238.5	911.1	263.3	861.7	292.0	807.0	324.5
		7	984.7	240.2	939.1	265.1	888.1	293.8	831.7	326.2
		8	1013.3	241.7	966.6	266.8	914.8	295.7	856.8	328.0
		9	1042.6	243.4	995.0	268.6	942.0	297.5	882.4	329.8
		10	1072.2	245.1	1023.7	270.4	969.6	299.4	908.4	331.6
135	DCC091TR-18GVWW	5	959.1	247.0	914.4	272.5	864.3	301.8	809.1	334.9
		6	988.6	249.0	942.2	274.4	890.9	303.7	833.6	336.6
		7	1017.8	250.8	970.7	276.4	917.9	305.7	858.6	338.4
		8	1046.9	252.5	999.1	278.3	945.3	307.7	884.0	340.2
		9	1076.9	254.3	1028.1	280.2	973.2	309.8	909.8	342.1
		10	1107.3	256.2	1057.5	282.2	1001.4	311.8	936.0	344.0
136	DCC094TR-18GWWW	5	990.5	257.2	944.8	283.4	892.9	313.3	835.4	346.9
		6	1021.0	259.4	973.3	285.5	920.1	315.4	860.2	348.7
		7	1050.9	261.4	1002.3	287.6	947.7	317.6	885.5	350.6
		8	1080.5	263.2	1031.6	289.7	975.8	319.8	911.1	352.5
		9	1111.2	265.2	1061.3	291.9	1004.3	322.0	937.2	354.4
		10	1142.3	267.2	1091.3	294.0	1033.2	324.3	963.6	356.4
137	DCC082TR-19GYYV	5	847.1	207.7	807.8	230.0	763.2	255.4	715.5	284.6
		6	872.9	209.0	832.6	231.3	787.6	257.0	738.1	286.0
		7	899.0	210.3	857.9	232.7	811.8	258.4	760.9	287.4
		8	925.4	211.7	883.4	234.1	835.9	259.7	784.4	288.9
		9	952.2	213.1	909.4	235.5	860.9	261.1	808.2	290.4
		10	979.3	214.5	935.6	236.9	886.2	262.6	832.5	292.0
138	DCC084TR-20GYVV	5	872.0	213.7	831.7	236.8	786.5	263.1	737.3	293.3
		6	898.4	215.0	857.2	238.1	811.2	264.6	760.5	294.8
		7	925.1	216.3	883.1	239.4	836.0	266.0	783.7	296.1
		8	952.2	217.6	909.3	240.8	861.0	267.4	807.8	297.6
		9	979.6	219.0	935.9	242.2	886.5	268.8	832.2	299.1
		10	1007.3	220.3	962.8	243.6	912.5	270.3	857.1	300.7
139	DCC087TR-21GVVV	5	896.9	219.8	855.7	243.5	809.8	270.9	759.2	302.1
		6	923.9	221.0	881.8	244.9	834.7	272.2	783.0	303.5
		7	951.2	222.3	908.3	246.2	860.2	273.6	806.4	304.7
		8	979.0	223.6	935.2	247.6	886.1	275.1	831.1	306.2
		9	1007.0	224.9	962.4	248.9	912.2	276.5	856.3	307.8
		10	1035.3	226.2	989.9	250.3	938.8	278.0	881.8	309.3

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
140	DCC090TR-21GVVW	5	938.5	230.2	894.5	254.5	845.2	282.3	791.6	314.1
		6	966.9	231.6	922.0	256.0	871.5	283.9	816.5	315.8
		7	995.8	233.1	949.4	257.5	898.2	285.5	841.3	317.3
		8	1025.1	234.6	978.1	259.2	925.3	287.2	867.1	319.0
		9	1054.8	236.1	1006.8	260.7	952.8	288.9	893.4	320.8
		10	1084.7	237.6	1035.4	262.2	980.8	290.6	920.1	322.6
141	DCC093TR-21GVWW	5	970.7	240.1	925.3	265.0	873.8	293.3	818.2	325.8
		6	999.9	241.7	953.5	266.7	900.8	295.1	843.7	327.7
		7	1029.5	243.3	981.0	268.2	928.2	297.0	869.4	329.4
		8	1059.5	245.0	1011.0	270.2	956.0	298.8	895.9	331.3
		9	1089.8	246.7	1040.4	272.0	984.2	300.7	922.8	333.3
		10	1120.5	248.3	1069.3	273.5	1012.8	302.6	950.2	335.2
142	DCC096TR-21GWWW	5	1003.0	250.0	956.1	275.6	902.4	304.4	844.9	337.5
		6	1032.9	251.8	984.9	277.4	930.1	306.4	871.0	339.5
		7	1063.1	253.6	1012.6	278.9	958.2	308.4	897.6	341.6
		8	1093.9	255.4	1043.9	281.3	986.7	310.4	924.7	343.7
		9	1124.9	257.2	1073.9	283.2	1015.6	312.5	952.2	345.8
		10	1156.3	259.0	1103.1	284.8	1044.9	314.6	980.2	347.9
143	DCC048DX-10EPV0	5	506.3	132.3	478.9	146.3	448.9	162.3	416.3	180.5
		6	520.8	133.2	492.7	147.3	461.8	163.4	428.4	181.7
		7	535.4	134.2	506.6	148.3	474.9	164.5	440.6	182.8
		8	550.1	135.2	520.6	149.4	488.2	165.6	453.0	184.0
		9	564.9	136.2	534.8	150.5	501.6	166.8	465.6	185.2
		10	579.8	137.2	549.0	151.6	515.1	167.9	478.3	186.4
144	DCC049DX-10EYY0	5	521.2	138.6	493.0	153.6	462.2	170.8	428.9	190.1
		6	536.2	139.6	507.3	154.7	475.6	171.9	441.4	191.3
		7	551.4	140.6	521.7	155.8	489.2	173.1	454.1	192.5
		8	566.7	141.7	536.3	156.9	503.0	174.2	467.0	193.7
		9	582.1	142.8	551.0	158.0	516.9	175.5	480.1	195.0
		10	597.6	143.9	565.8	159.2	530.9	176.7	493.3	196.3
145	DCC049DX-12EPV0	5	518.7	127.7	492.2	141.0	462.9	156.3	431.0	173.8
		6	533.7	128.5	506.6	141.8	476.6	157.2	443.8	174.7
		7	548.9	129.2	521.2	142.7	490.4	158.1	456.8	175.7
		8	564.3	130.0	535.9	143.5	504.4	159.0	470.0	176.6
		9	579.7	130.8	550.8	144.4	518.5	160.0	483.3	177.6
		10	595.3	131.6	565.8	145.3	532.8	160.9	496.8	178.6

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
146	DCC051DX-12EYY0	5	534.0	133.4	506.6	147.7	476.5	164.1	444.0	182.7
		6	549.6	134.3	521.5	148.5	490.7	165.0	457.2	183.6
		7	565.4	135.1	536.7	149.4	505.0	165.9	470.7	184.6
		8	581.3	136.0	552.0	150.4	519.6	166.9	484.4	185.6
		9	597.4	136.9	567.4	151.3	534.3	167.9	498.3	186.7
		10	613.6	137.8	583.0	152.3	549.1	168.9	512.3	187.7
147	DCC053DX-11DYV0	5	559.7	144.9	529.4	160.6	496.4	178.5	460.7	198.9
		6	575.9	145.9	544.8	161.6	510.9	179.7	474.2	200.1
		7	592.2	147.0	560.4	162.7	525.5	180.8	487.9	201.3
		8	608.7	148.0	576.1	163.9	540.3	182.0	501.8	202.6
		9	625.4	149.1	591.9	165.0	555.4	183.3	515.9	203.9
		10	642.1	150.2	608.0	166.2	570.5	184.5	530.2	205.2
148	DCC056DX-12DVV0	5	594.1	150.9	562.1	167.2	527.2	185.9	489.4	207.4
		6	611.3	151.9	578.5	168.2	542.6	187.1	503.8	208.6
		7	628.8	152.9	595.1	169.3	558.3	188.3	518.5	209.8
		8	646.4	153.9	611.9	170.5	574.1	189.4	533.4	211.1
		9	664.2	155.0	628.9	171.6	590.2	190.7	548.5	212.3
		10	682.2	156.1	646.0	172.8	606.4	191.9	563.7	213.7
149	DCC058DX-12DVW0	5	619.4	161.1	585.6	178.1	548.5	197.5	508.3	219.4
		6	637.1	162.3	602.4	179.3	564.2	198.8	523.0	220.8
		7	655.0	163.5	619.3	180.6	580.2	200.2	537.9	222.3
		8	673.0	164.7	636.5	182.0	596.4	201.6	553.0	223.7
		9	691.2	166.0	653.8	183.3	612.8	203.0	568.3	225.2
		10	709.6	167.3	671.3	184.7	629.3	204.5	583.9	226.7
150	DCC061DX-12DWW0	5	655.9	172.1	619.0	189.7	578.5	209.7	534.9	232.2
		6	674.4	173.5	636.5	191.2	594.9	211.3	550.1	233.9
		7	693.1	175.0	654.2	192.8	611.5	212.9	565.4	235.5
		8	712.0	176.4	672.0	194.3	628.2	214.6	581.0	237.2
		9	731.1	177.9	690.1	195.9	645.2	216.2	596.8	238.9
		10	750.3	179.4	708.3	197.5	662.3	217.9	612.8	240.7
151	DCC050DX-14EPV0	5	526.5	124.8	501.3	137.8	472.7	152.6	441.3	169.6
		6	542.2	125.5	516.2	138.5	486.8	153.4	454.6	170.4
		7	558.0	126.2	531.3	139.2	501.1	154.1	468.1	171.2
		8	573.9	126.9	546.5	140.0	515.7	154.9	481.8	172.0
		9	589.9	127.6	561.8	140.7	530.3	155.7	495.5	172.8
		10	605.9	128.3	577.3	141.4	545.2	156.5	509.8	173.7

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C)							
			25°C		30°C		35°C		40°C	
			Output kW	Input kW	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW
152	DCC052DX-14EYY0	5	542.9	130.3	516.2	144.0	486.7	159.8	454.6	177.9
		6	559.0	131.0	531.6	144.7	501.4	160.6	468.5	178.7
		7	575.2	131.8	547.2	145.5	516.3	161.4	482.5	179.5
		8	591.5	132.5	563.0	146.3	531.3	162.2	496.7	180.4
		9	608.1	133.3	578.9	147.1	546.6	163.1	511.2	181.3
		10	624.7	134.1	595.0	147.9	562.0	163.9	525.8	182.1
153	DCC054DX-13DYV0	5	572.1	140.1	542.6	155.1	510.3	172.3	475.3	191.9
		6	588.9	141.0	558.4	156.0	525.5	173.2	489.5	192.9
		7	605.9	141.8	574.9	156.9	540.9	174.2	504.0	193.9
		8	623.0	142.7	591.3	157.8	556.5	175.2	518.6	194.9
		9	640.3	143.6	607.9	158.7	572.2	176.2	533.5	196.0
		10	657.7	144.5	624.7	159.7	588.2	177.2	548.6	197.1
154	DCC057DX-14DVV0	5	605.8	146.6	574.5	162.2	540.3	180.2	503.2	200.8
		6	623.6	147.4	591.6	163.0	556.4	181.1	518.3	201.8
		7	641.7	148.2	608.8	164.0	572.8	182.1	533.7	202.9
		8	659.9	149.1	626.3	164.9	589.3	183.1	549.2	203.9
		9	678.3	150.0	643.9	165.8	606.1	184.1	565.1	205.0
		10	696.9	150.9	661.8	166.8	623.1	185.1	581.1	206.1
155	DCC060DX-14DVW0	5	632.4	156.2	599.4	172.5	563.1	191.1	523.7	212.3
		6	650.7	157.2	616.9	173.5	579.6	192.3	539.1	213.5
		7	669.2	158.3	634.6	174.6	596.4	193.4	554.8	214.7
		8	687.9	159.3	652.5	175.8	613.3	194.6	570.7	216.0
		9	706.8	160.3	670.6	176.9	630.5	195.8	586.9	217.2
		10	725.8	161.4	688.8	178.1	647.8	197.1	603.2	218.5
156	DCC063DX-14DWW0	5	670.8	166.6	634.9	183.5	595.3	202.7	552.4	224.5
		6	690.1	167.8	653.2	184.8	612.6	204.1	568.5	225.9
		7	709.6	169.0	671.7	186.1	630.0	205.5	584.7	227.3
		8	729.2	170.3	690.5	187.4	647.7	206.9	601.3	228.8
		9	749.1	171.5	709.4	188.8	665.6	208.3	618.0	230.3
		10	769.1	172.8	728.5	190.2	683.7	209.8	635.0	231.8
157	DCC066TX-13GPPY	5	703.2	184.4	663.5	203.6	620.3	225.5	573.9	250.1
		6	723.4	185.9	682.6	205.2	638.2	227.1	590.4	251.8
		7	743.8	187.4	701.9	206.8	656.3	228.8	607.2	253.5
		8	764.4	188.9	721.4	208.4	674.6	230.5	624.2	255.3
		9	785.2	190.5	741.1	210.1	693.1	232.3	641.5	257.1
		10	806.2	192.1	761.0	211.8	711.8	234.0	659.0	258.9

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
158	DCC070TX-14GPYY	5	739.5	195.9	698.6	216.8	654.1	240.6	606.1	267.4
		6	760.9	197.4	718.9	218.3	673.1	242.2	623.7	269.1
		7	782.4	198.9	739.3	220.0	692.3	243.9	641.6	270.9
		8	804.2	200.5	760.0	221.6	711.7	245.7	659.8	272.7
		9	826.2	202.1	780.9	223.3	731.4	247.5	678.2	274.5
		10	848.4	203.7	802.0	225.1	751.3	249.3	696.8	276.4
159	DCC055DX-15DYV0	5	580.8	137.1	552.2	151.6	520.4	168.2	485.9	187.3
		6	598.1	137.9	568.7	152.3	536.1	169.0	500.6	188.1
		7	615.6	138.6	585.4	153.1	552.0	169.8	515.6	189.0
		8	633.3	139.4	602.3	153.9	568.1	170.7	530.9	189.8
		9	651.0	140.2	619.4	154.7	584.5	171.5	546.3	190.7
		10	668.9	140.9	636.7	155.5	601.0	172.4	562.0	191.7
160	DCC059DX-16DVV0	5	614.1	143.7	583.8	158.9	550.1	176.3	513.4	196.4
		6	632.6	144.5	601.3	159.6	566.7	177.1	529.1	197.3
		7	651.2	145.2	619.0	160.4	583.6	178.0	545.0	198.1
		8	669.9	146.0	637.0	161.2	600.6	178.8	561.1	199.0
		9	688.8	146.7	655.1	162.0	617.9	179.7	577.5	200.0
		10	707.8	147.5	673.5	162.8	635.5	180.6	594.1	200.9
161	DCC061DX-16DVW0	5	641.7	153.0	609.7	168.8	574.0	186.8	535.1	207.5
		6	660.6	153.9	627.7	169.7	591.1	187.8	551.1	208.5
		7	679.7	154.8	645.9	170.6	608.4	188.8	567.4	209.6
		8	698.9	155.7	664.3	171.6	625.9	189.9	583.9	210.7
		9	718.3	156.6	683.0	172.6	643.7	190.9	600.7	211.8
		10	737.8	157.5	701.7	173.6	661.6	192.0	617.7	212.9
162	DCC065DX-16DWW0	5	681.9	162.9	646.7	179.3	607.9	198.0	565.5	219.2
		6	701.7	164.0	665.6	180.4	625.7	199.2	582.2	220.4
		7	721.7	165.0	684.8	181.6	643.8	200.4	599.2	221.7
		8	741.9	166.1	704.1	182.7	662.2	201.6	616.4	223.0
		9	762.4	167.2	723.7	183.9	680.8	202.9	633.9	224.3
		10	783.0	168.3	743.5	185.1	699.6	204.2	651.6	225.6
163	DCC068TX-16GPPY	5	724.2	176.7	685.8	194.9	643.8	215.7	598.2	239.3
		6	745.4	177.9	706.0	196.2	662.8	217.0	616.0	240.6
		7	766.9	179.1	726.5	197.5	682.2	218.4	634.1	242.0
		8	788.7	180.4	747.3	198.8	701.7	219.8	652.4	243.5
		9	810.7	181.6	768.2	200.1	721.6	221.2	671.0	245.0
		10	832.9	182.9	789.5	201.5	741.7	222.7	689.9	246.5

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
164	DCC075TX-15GYYY	5	795.4	208.8	751.2	231.3	703.2	257.0	651.6	285.9
		6	818.7	210.4	773.2	232.9	723.8	258.7	670.8	287.7
		7	842.2	212.0	795.4	234.6	744.7	260.5	690.3	289.6
		8	865.9	213.6	817.9	236.4	765.9	262.4	710.1	291.5
		9	889.9	215.3	840.7	238.2	787.3	264.2	730.1	293.4
		10	914.1	217.1	863.7	240.0	809.0	266.1	750.4	295.4
165	DCC077TX-16GYYV	5	822.3	214.3	777.2	237.5	728.1	264.0	675.3	294.0
		6	846.3	215.9	799.9	239.1	749.5	265.7	695.2	295.8
		7	870.5	217.5	823.0	240.8	771.2	267.5	715.4	297.6
		8	895.1	219.1	846.3	242.5	793.1	269.3	736.0	299.5
		9	919.8	220.7	869.8	244.2	815.3	271.1	756.8	301.4
		10	944.8	222.4	893.6	246.0	837.8	273.0	777.9	303.4
166	DCC072TX-17GPYY	5	759.4	188.3	719.8	208.0	676.4	230.7	629.4	256.4
		6	781.8	189.5	741.1	209.3	696.5	232.1	648.2	257.8
		7	804.4	190.7	762.7	210.6	717.0	233.4	667.3	259.3
		8	827.2	192.0	784.6	212.0	737.6	234.9	686.7	260.7
		9	850.3	193.3	806.6	213.4	758.6	236.3	706.4	262.3
		10	873.5	194.6	828.9	214.8	779.7	237.8	726.4	263.8
167	DCC077TX-18GYYY	5	815.8	200.9	772.7	222.3	725.8	246.8	675.2	274.6
		6	840.1	202.3	795.8	223.6	747.6	248.2	695.6	276.1
		7	864.7	203.6	819.3	225.0	769.7	249.7	716.3	277.7
		8	889.5	205.0	843.0	226.5	792.1	251.2	737.3	279.2
		9	914.7	206.4	867.0	228.0	814.9	252.8	758.7	280.8
		10	940.1	207.8	891.2	229.5	837.9	254.3	780.3	282.4
168	DCC080TX-17GYVV	5	849.2	219.9	803.2	243.7	753.1	271.0	698.9	302.0
		6	873.9	221.4	826.7	245.3	775.2	272.7	719.6	303.8
		7	898.9	222.9	850.5	246.9	797.6	274.4	740.6	305.7
		8	924.2	224.5	874.6	248.6	820.4	276.2	761.8	307.5
		9	949.7	226.1	898.9	250.3	843.4	278.0	783.4	309.4
		10	975.5	227.8	923.5	252.1	866.6	279.9	805.3	311.4
169	DCC083TX-18GVVV	5	876.0	225.5	829.2	249.9	778.0	278.0	722.6	310.1
		6	901.5	226.9	853.5	251.4	800.9	279.7	744.0	311.9
		7	927.3	228.4	878.1	253.0	824.1	281.4	765.7	313.7
		8	953.4	230.0	902.9	254.7	847.6	283.1	787.7	315.5
		9	979.7	231.5	928.1	256.4	871.4	284.9	810.0	317.4
		10	1006.2	233.1	953.4	258.1	895.4	286.8	832.7	319.4

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
170	DCC086TX-18GVVW	5	913.2	236.4	863.0	261.4	808.1	290.1	749.0	322.7
		6	939.8	238.1	888.2	263.2	831.8	292.0	771.0	324.8
		7	966.7	239.8	913.7	265.1	855.8	294.0	793.3	326.8
		8	993.9	241.6	939.5	267.0	880.1	296.0	816.0	328.9
		9	1021.4	243.4	965.6	268.9	904.7	298.1	839.0	331.0
		10	1049.2	245.2	992.0	270.9	929.5	300.2	862.3	333.2
171	DCC088TX-18GVWW	5	942.2	246.8	889.8	272.5	832.5	301.8	770.7	335.0
		6	969.3	248.7	915.5	274.5	856.6	304.0	793.0	337.2
		7	996.7	250.6	941.4	276.6	880.9	306.2	815.6	339.5
		8	1024.4	252.6	967.7	278.7	905.6	308.4	838.6	341.8
		9	1052.4	254.6	994.2	280.9	930.5	310.6	861.9	344.1
		10	1080.6	256.6	1021.0	283.0	955.7	313.0	885.4	346.5
172	DCC091TX-18GWWW	5	971.2	257.3	916.7	283.6	856.9	313.6	792.5	347.3
		6	998.8	259.3	942.8	285.8	881.4	315.9	815.0	349.7
		7	1026.7	261.5	969.2	288.1	906.1	318.3	837.9	352.2
		8	1054.9	263.6	995.8	290.4	931.1	320.7	861.2	354.7
		9	1083.3	265.8	1022.8	292.8	956.4	323.2	884.7	357.2
		10	1112.0	268.1	1050.0	295.2	981.9	325.8	908.6	359.8
173	DCC070TX-19GPPY	5	737.8	172.3	700.8	189.8	659.6	209.9	614.8	232.7
		6	760.0	173.3	721.8	190.9	679.5	211.0	633.4	233.9
		7	782.5	174.4	743.1	192.0	699.7	212.2	652.4	235.1
		8	804.9	175.4	764.7	193.1	720.1	213.3	671.6	236.3
		9	827.7	176.5	786.5	194.2	740.9	214.5	691.2	237.5
		10	850.7	177.6	808.6	195.4	761.9	215.8	711.0	238.8
174	DCC074TX-20GPYY	5	772.8	183.7	734.4	202.8	691.8	224.7	645.5	249.6
		6	796.0	184.8	756.5	203.9	712.8	225.8	665.2	250.8
		7	819.4	185.9	778.8	205.0	734.0	227.0	685.2	252.0
		8	842.9	187.0	801.5	206.1	755.5	228.2	705.5	253.2
		9	866.7	188.1	824.3	207.3	777.3	229.4	726.0	254.5
		10	890.7	189.2	847.4	208.5	799.4	230.7	746.9	255.8
175	DCC079TX-21GYYY	5	830.3	196.2	788.0	216.7	741.8	240.4	691.9	267.4
		6	855.3	197.3	811.9	217.8	764.5	241.6	713.2	268.6
		7	880.6	198.5	836.1	219.0	787.5	242.8	734.8	269.9
		8	906.2	199.7	860.7	220.3	810.8	244.1	756.7	271.3
		9	932.1	200.9	885.6	221.5	834.4	245.4	779.0	272.6
		10	958.3	202.1	910.7	222.8	858.3	246.8	801.6	274.0

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C) 25°C Output kW	25°C Input kW	30°C Output kW	30°C Input kW	35°C Output kW	35°C Input kW	40°C Output kW	40°C Input kW
176	DCC080TX-19GYYV	5	841.5	207.0	797.6	229.0	749.5	254.4	697.6	283.2
		6	866.5	208.3	821.4	230.3	772.0	255.8	718.7	284.7
		7	891.7	209.6	845.5	231.7	794.8	257.2	740.1	286.2
		8	917.3	210.9	869.9	233.1	818.0	258.7	761.8	287.8
		9	943.1	212.3	894.6	234.6	841.4	260.3	783.8	289.4
		10	969.2	213.7	919.5	236.1	865.1	261.8	806.2	291.0
177	DCC081TX-22GYYV	5	855.0	202.4	812.2	223.7	764.9	248.2	713.8	276.2
		6	880.7	203.5	836.7	224.8	788.2	249.4	735.6	277.5
		7	906.8	204.7	861.6	226.0	811.9	250.6	757.9	278.8
		8	933.1	205.8	886.8	227.2	835.8	251.9	779.8	280.1
		9	959.7	207.0	912.3	228.4	860.1	253.2	803.4	281.5
		10	986.5	208.2	938.1	229.7	884.7	254.5	826.6	282.8
178	DCC082TX-20GYVV	5	867.2	213.1	822.4	235.7	773.3	261.9	720.1	291.8
		6	892.8	214.3	846.9	237.1	796.5	263.3	741.8	293.3
		7	918.8	215.6	871.7	238.4	820.0	264.8	763.9	294.8
		8	945.0	216.9	896.8	239.8	843.8	266.3	786.3	296.4
		9	971.5	218.2	922.2	241.2	867.9	267.8	809.0	298.0
		10	998.2	219.6	947.8	242.7	892.3	269.3	832.0	299.6
179	DCC085TX-21GVVV	5	892.8	219.1	847.2	242.5	797.0	269.5	742.6	300.4
		6	919.2	220.3	872.4	243.8	820.9	270.9	765.0	301.9
		7	945.8	221.6	897.9	245.1	845.1	272.3	787.7	303.4
		8	972.7	222.8	923.7	246.5	869.6	273.8	810.8	305.0
		9	999.9	224.1	949.8	247.9	894.4	275.3	834.2	306.6
		10	1027.3	225.5	976.1	249.3	919.5	276.8	857.9	308.2
180	DCC088TX-21GVVW	5	932.2	229.4	883.1	253.4	828.9	281.0	771.2	312.4
		6	959.7	230.8	909.4	254.9	854.1	282.6	794.3	314.1
		7	987.6	232.3	935.9	256.5	879.2	284.3	817.8	315.9
		8	1015.9	233.8	962.9	258.1	904.7	285.9	841.6	317.7
		9	1044.4	235.3	990.1	259.7	930.5	287.7	865.9	319.5
		10	1073.2	236.8	1017.7	261.4	956.6	289.5	890.4	321.3
181	DCC091TX-21GVWW	5	962.6	239.2	911.5	263.9	855.2	292.1	794.6	324.1
		6	990.7	240.8	938.3	265.6	880.7	293.9	818.1	326.0
		7	1019.2	242.5	965.4	267.3	906.2	295.8	842.0	328.0
		8	1048.0	244.1	992.8	269.1	932.1	297.7	866.3	329.9
		9	1077.0	245.8	1020.6	271.0	958.4	299.6	890.8	332.0
		10	1106.4	247.5	1048.6	272.8	984.9	301.6	915.8	334.0
182	DCC094TX-21GWWW	5	993.0	249.1	939.9	274.4	881.5	303.2	818.1	335.8
		6	1021.7	250.9	967.2	276.3	907.2	305.2	842.0	337.9
		7	1050.7	252.7	994.9	278.2	933.2	307.3	866.3	340.0
		8	1080.1	254.5	1022.8	280.2	959.6	309.4	890.9	342.2
		9	1109.7	256.4	1051.1	282.2	986.2	311.5	915.8	344.4
		10	1139.6	258.3	1079.6	284.3	1013.2	313.7	941.1	346.7

1 Output kW refers to the chilled water duty.
2 Input kW refers to the unit input power (compressor + fans).
3 Duties applicable for chilled water ΔT between 4 and 8°C.
4 Interpolate for water temperatures between those quoted, do not extrapolate.
5 Water flow rate (l/s) = Output ÷ (Cp x ΔT)
6 For conditions outside of those quoted please refer to Airedale.

DCC Mechanical Data

The Deltachill and DeltaChill free cool chiller

Construction - Material / Colour		Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL7035)
Evaporator		Shell and Tube
Insulation		Class 1
Condenser		Epoxy Coated Aluminium Microchannel & Aluminium Fins
Face Area (Total)	m^2	2.38
Condenser Fan & Motor		Sickle Bladed Fan
Diameter	mm	800
Oil Type		Polyvinyl Ether
Refrigeration		
Refrigerant Control		Electronic Expansion Valve (EEV)
Connections		Grooved Terminations
Maximum System Operating Pressure	Bar	10

DCC Mechanical Data - Regular Quiet

			98 DCC047DR-08EPV0	99 DCC049DR-08EYY0	100 DCC049DR-10EPV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	478.4	494.0	492.9
Nominal Input - Mechanical		kW	171.0	178.9	164.3
EER	(2)		2.80	2.76	3.00
ESEER			4.06	4.18	4.31
SEER			3.92	4.02	4.16
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	471.1	486.4	490.7
Nominal Input - Mechanical		kW	172.0	180.3	165.3
EER	(2)		2.74	2.70	2.97
ESEER			3.84	3.92	4.00
SEER			3.72	3.79	3.89
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	25-45-60-80-100	20-35-55-70-85-100	20-40-60-80-100
Minimum Turndown Ratio			0.23	0.18	0.22
Dimensions (H x W x L)		mm	2682 x 2200 x 4846	2682 x 2200 x 4846	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	3850	3985	4330
Operating		kg	4090	4220	4600
Water Volume (Total Internal)		l	240	235	270
Maximum Waterflow		l/s	29.7	29.7	29.7
Minimum Waterflow		l/s	6.8	6.8	6.8
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	51.6	51.6	64.4
Nominal Airflow - AC Fans		m³/s	46.2	46.2	57.8
Quantity			8	8	10
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Tandem + Trio	Trio + Trio	Tandem + Trio
Quantity of Compressors			5	6	5
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	21 + 31	25 + 28	24 + 34
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1838	1469	1871
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			101 DCC051DR-10EYY0	102 DCC052DR-09DYV0	103 DCC056DR-10DVV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	509.3	532.2	567.0
Nominal Input - Mechanical		kW	172.4	187.0	194.6
EER	(2)		2.95	2.85	2.91
ESEER			4.36	4.27	4.35
SEER			4.20	4.11	4.19
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	505.8	524.5	559.3
Nominal Input - Mechanical		kW	173.0	187.9	195.2
EER	(2)		2.92	2.79	2.87
ESEER			4.01	4.00	4.04
SEER			3.89	3.87	3.91
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.17	0.17	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	4465	4455	4520
Operating		kg	4735	4790	4845
Water Volume (Total Internal)		l	270	335	325
Maximum Waterflow		l/s	29.7	27.3	28.1
Minimum Waterflow		l/s	6.8	6.4	6.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	64.4	58.0	64.4
Nominal Airflow - AC Fans		m³/s	57.8	52.0	57.8
Quantity			10	9	10
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	29 + 30	26 + 32	32 + 33
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1475	1505	1656
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			104 DCC058DR-10DVW0	105 DCC061DR-10DWW0	106 DCC065TR-10GPPY
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	590.1	622.9	657.7
Nominal Input - Mechanical		kW	206.1	218.4	238.2
EER	(2)		2.86	2.85	2.76
ESEER			4.29	4.27	4.10
SEER			4.13	4.11	3.95
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	581.5	613.0	646.2
Nominal Input - Mechanical		kW	207.0	219.7	240.4
EER	(2)		2.81	2.79	2.69
ESEER			4.00	4.01	3.88
SEER			3.87	3.88	3.75
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-70-85-100	20-35-55-70-85-100	15-35-45-60-75-90-100
Minimum Turndown Ratio			0.17	0.18	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	4545	4580	4980
Operating		kg	4875	4900	5490
Water Volume (Total Internal)		l	330	320	510
Maximum Waterflow		l/s	35.1	35.1	35.9
Minimum Waterflow		l/s	8.0	13.4	8.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	64.4	64.4	64.4
Nominal Airflow - AC Fans		m³/s	57.8	57.8	57.8
Quantity			10	10	10
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio	Trio + Trio	Tandem + Tandem + Trio
Quantity of Compressors			6	6	7
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	32 + 33	33 + 34	21 + 23 + 29
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1646	1852	3695
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			107 DCC050DR-12EPV0	108 DCC052DR-12EYY0	109 DCC054DR-11DYV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	499.4	516.1	545.2
Nominal Input - Mechanical		kW	158.8	166.6	180.5
EER	(2)		3.14	3.10	3.02
ESEER			4.49	4.50	4.45
SEER			4.34	4.35	4.29
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	503.2	518.6	542.8
Nominal Input - Mechanical		kW	162.3	169.4	181.5
EER	(2)		3.10	3.06	2.99
ESEER			4.10	4.06	4.07
SEER			3.99	3.95	3.96
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	20-40-60-80-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.22	0.17	0.16
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	4850	4980	4975
Operating		kg	5180	5310	5370
Water Volume (Total Internal)		l	330	330	395
Maximum Waterflow		l/s	29.7	29.7	27.3
Minimum Waterflow		l/s	6.8	6.8	6.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	77.3	77.3	70.9
Nominal Airflow - AC Fans		m³/s	69.3	69.3	63.5
Quantity			12	12	11
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Tandem + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			5	6	6
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	28 + 37	32 + 33	30 + 35
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1879	1479	1511
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			110 DCC058DR-12DVV0	111 DCC060DR-12DVW0	112 DCC063DR-12DWW0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	576.9	603.1	640.2
Nominal Input - Mechanical		kW	188.2	199.9	212.4
EER	(2)		3.06	3.02	3.01
ESEER			4.50	4.44	4.42
SEER			4.34	4.28	4.27
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	575.9	599.9	634.1
Nominal Input - Mechanical		kW	189.7	200.9	212.8
EER	(2)		3.04	2.99	2.98
ESEER			4.10	4.06	4.08
SEER			3.99	3.95	3.96
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.17	0.16	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight			0	0	0
Machine	(3)	kg	5035	5065	5095
Operating		kg	5425	5455	5485
Water Volume (Total Internal)		l	390	390	390
Maximum Waterflow		l/s	28.1	35.1	35.1
Minimum Waterflow		l/s	6.4	8.0	13.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	77.3	77.3	77.3
Nominal Airflow - AC Fans		m³/s	69.3	69.3	69.3
Quantity			12	12	12
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	35 + 36	35 + 36	36 + 37
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1661	1651	1858
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			113 DCC069TR-11GPYY	114 DCC074TR-12GYYY	115 DCC056DR-13DYV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	696.5	752.3	551.9
Nominal Input - Mechanical		kW	253.1	269.3	174.9
EER	(2)		2.75	2.79	3.16
ESEER			4.08	4.25	4.58
SEER			3.93	4.09	4.43
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	685.2	740.3	555.3
Nominal Input - Mechanical		kW	255.2	271.4	178.3
EER	(2)		2.69	2.73	3.11
ESEER			3.85	3.99	4.13
SEER			3.73	3.86	4.02
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-30-40-55-65-80-90-100	10-25-35-45-60-70-80-90-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.16	0.12	0.16
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	5600	5835	5430
Operating		kg	6170	6390	5865
Water Volume (Total Internal)		l	570	555	435
Maximum Waterflow		l/s	47.5	46.1	27.3
Minimum Waterflow		l/s	10.5	17.7	6.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	70.9	77.3	83.8
Nominal Airflow - AC Fans		m³/s	63.5	69.3	75.1
Quantity			11	12	13
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio
Quantity of Compressors			8	9	6
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	21 + 28 + 28	27 + 29 + 30	33 + 37
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	4790	5934	1515
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			116 DCC059DR-14DVV0	117 DCC061DR-14DVW0	118 DCC065DR-14DWW0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	583.5	609.8	647.4
Nominal Input - Mechanical		kW	183.0	194.2	206.2
EER	(2)		3.19	3.14	3.14
ESEER			4.62	4.56	4.55
SEER			4.47	4.41	4.40
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	587.7	613.0	649.2
Nominal Input - Mechanical		kW	186.9	197.6	208.9
EER	(2)		3.14	3.10	3.11
ESEER			4.15	4.11	4.13
SEER			4.04	4.00	4.02
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-65-85-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.17	0.16	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	5495	5520	5555
Operating		kg	5925	5950	5980
Water Volume (Total Internal)		l	430	430	425
Maximum Waterflow		l/s	28.1	35.1	35.1
Minimum Waterflow		l/s	6.4	8.0	13.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	90.2	90.2	90.2
Nominal Airflow - AC Fans		m³/s	80.9	80.9	80.9
Quantity			14	14	14
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	39 + 38	39 + 38	40 + 39
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1664	1654	1863
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			119 DCC068TR-13GPPY	120 DCC072TR-14GPYY	121 DCC077TR-13GYYV
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	686.6	722.3	780.4
Nominal Input - Mechanical		kW	228.2	243.2	276.5
EER	(2)		3.01	2.97	2.82
ESEER			4.36	4.31	4.25
SEER			4.21	4.17	4.09
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	680.3	716.6	768.8
Nominal Input - Mechanical		kW	228.7	243.9	278.2
EER	(2)		2.97	2.94	2.76
ESEER			4.05	4.01	3.99
SEER			3.94	3.89	3.86
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-30-45-60-75-90-100	15-25-40-55-65-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.16	0.15	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	5900	6120	6290
Operating		kg	6510	6725	6925
Water Volume (Total Internal)		l	610	605	635
Maximum Waterflow		l/s	35.9	47.5	46.1
Minimum Waterflow		l/s	8.4	10.5	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	83.8	90.2	83.8
Nominal Airflow - AC Fans		m³/s	75.1	80.9	75.1
Quantity			13	14	13
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Tandem + Tandem + Trio	Tandem + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			7	8	9
Oil Charge Volume (Total)		l	2 x 5.3 + 2 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration			0	0	0
Charge (Total)		kg	24 + 27 + 31	24 + 31 + 31	27 + 29 + 33
Water Inlet / Outlet - Unit			DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	3762	4834	6064
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			122 DCC080TR-14GYVV	123 DCC070TR-16GPPY	124 DCC077TR-15GYYY
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans			0	0	0
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	808.6	696.6	777.1
Nominal Input - Mechanical		kW	283.8	219.2	259.6
EER	(2)		2.85	3.18	2.99
ESEER			4.26	4.55	4.44
SEER			4.10	4.40	4.28
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	797.2	701.4	770.9
Nominal Input - Mechanical		kW	285.0	223.5	260.3
EER	(2)		2.80	3.14	2.96
ESEER			3.98	4.15	4.08
SEER			3.85	4.04	3.96
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-25-35-45-55-70-80-90-100	15-30-45-60-75-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.16	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	6370	6295	6660
Operating		kg	7010	6905	7355
Water Volume (Total Internal)		l	640	610	695
Maximum Waterflow		l/s	46.1	35.9	46.1
Minimum Waterflow		l/s	17.7	8.4	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	90.2	103.1	96.7
Nominal Airflow - AC Fans		m³/s	80.9	92.4	86.6
Quantity			14	16	15
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio + Trio	Tandem + Tandem + Trio	Trio + Trio + Trio
Quantity of Compressors			9	7	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	27 + 33 + 33	28 + 31 + 34	31 + 33 + 33
Water Inlet / Outlet - Unit			DN150	DN125	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6194	3779	6022
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			125 DCC080TR-16GYYV	126 DCC083TR-15GVVV	127 DCC086TR-15GVVW
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	801.6	836.7	870.0
Nominal Input - Mechanical		kW	266.9	291.0	303.2
EER	(2)		3.00	2.87	2.87
ESEER			4.43	4.28	4.30
SEER			4.28	4.12	4.15
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	797.1	825.6	857.6
Nominal Input - Mechanical		kW	268.2	291.8	304.3
EER	(2)		2.97	2.83	2.82
ESEER			4.07	3.97	4.01
SEER			3.95	3.85	3.88
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.12	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	6740	6725	6775
Operating		kg	7435	7415	7460
Water Volume (Total Internal)		l	695	690	685
Maximum Waterflow		l/s	46.1	46.1	63.1
Minimum Waterflow		l/s	17.7	17.7	14.1
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	103.1	96.7	96.7
Nominal Airflow - AC Fans		m³/s	92.4	86.6	86.6
Quantity			16	15	15
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	30 + 33 + 37	31 + 33 + 34	33 + 35 + 35
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6151	6493	6741
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			128 DCC088TR-15GVWW	129 DCC091TR-15GWWW	130 DCC074TR-17GPYY
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	896.4	922.8	732.4
Nominal Input - Mechanical		kW	314.9	326.6	234.4
EER	(2)		2.85	2.83	3.12
ESEER			4.27	4.22	4.49
SEER			4.11	4.07	4.34
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	882.9	908.3	736.6
Nominal Input - Mechanical		kW	316.4	328.4	238.6
EER	(2)		2.79	2.77	3.09
ESEER			3.99	3.96	4.09
SEER			3.86	3.83	3.98
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100	15-25-40-55-65-75-90-100
Minimum Turndown Ratio			0.11	0.12	0.15
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	6805	6835	6875
Operating		kg	7485	7515	7570
Water Volume (Total Internal)		l	680	680	695
Maximum Waterflow		l/s	63.1	63.1	47.5
Minimum Waterflow		l/s	14.1	14.1	10.5
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	96.7	96.7	109.6
Nominal Airflow - AC Fans		m³/s	86.6	86.6	98.2
Quantity			15	15	17
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Trio + Trio
Quantity of Compressors			9	9	8
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	33 + 35 + 35	33 + 35 + 35	28 + 34 + 35
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6926	7252	4850
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			131 DCC079TR-18GYYY	132 DCC082TR-17GYVV	133 DCC085TR-18GVVV
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	787.6	826.1	850.5
Nominal Input - Mechanical		kW	250.7	274.1	281.4
EER	(2)		3.14	3.01	3.02
ESEER			4.59	4.43	4.43
SEER			4.43	4.27	4.27
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	791.2	823.4	849.6
Nominal Input - Mechanical		kW	254.8	276.0	283.8
EER	(2)		3.10	2.98	2.99
ESEER			4.13	4.05	4.03
SEER			4.02	3.93	3.92
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	7110	7090	7175
Operating		kg	7790	7770	7855
Water Volume (Total Internal)		l	680	680	680
Maximum Waterflow		l/s	46.1	46.1	46.1
Minimum Waterflow		l/s	17.7	17.7	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	116.0	109.6	116.0
Nominal Airflow - AC Fans		m³/s	104.0	98.2	104.0
Quantity			18	17	18
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	34 + 35 + 36	31 + 36 + 37	35 + 36 + 37
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6069	6279	6562
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			134 DCC088TR-18GVVW	135 DCC091TR-18GVWW	136 DCC094TR-18GWWW
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	888.1	917.9	947.7
Nominal Input - Mechanical		kW	293.8	305.7	317.6
EER	(2)		3.02	3.00	2.98
ESEER			4.46	4.42	4.37
SEER			4.30	4.27	4.22
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	884.4	911.8	939.2
Nominal Input - Mechanical		kW	295.6	306.9	318.3
EER	(2)		2.99	2.97	2.95
ESEER			4.07	4.06	4.03
SEER			3.95	3.94	3.92
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	7230	7255	7285
Operating		kg	7900	7925	7955
Water Volume (Total Internal)		l	670	670	670
Maximum Waterflow		l/s	63.1	63.1	63.1
Minimum Waterflow		l/s	14.1	14.1	14.1
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	116.0	116.0	116.0
Nominal Airflow - AC Fans		m³/s	104.0	104.0	104.0
Quantity			18	18	18
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	36 + 38 + 39	36 + 38 + 39	36 + 38 + 39
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6813	7000	7341
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			137 DCC082TR-19GYYV	138 DCC084TR-20GYVV	139 DCC087TR-21GVVV
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	811.8	836.0	860.2
Nominal Input - Mechanical		kW	258.4	266.0	273.6
EER	(2)		3.14	3.14	3.14
ESEER			4.58	4.56	4.55
SEER			4.42	4.40	4.39
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	816.4	841.5	866.7
Nominal Input - Mechanical		kW	263.1	271.4	279.7
EER	(2)		3.10	3.10	3.10
ESEER			4.12	4.10	4.08
SEER			4.01	3.99	3.97
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100	10-20-35-45-55-65-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 11638	2682 x 2200 x 11638	2682 x 2200 x 12770
Weight					
Machine	(3)	kg	7425	7505	7880
Operating		kg	8150	8230	8650
Water Volume (Total Internal)		l	725	725	770
Maximum Waterflow		l/s	46.1	46.1	46.1
Minimum Waterflow		l/s	17.7	17.7	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	122.4	128.9	135.3
Nominal Airflow - AC Fans		m³/s	109.8	115.5	121.3
Quantity			19	20	21
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	34 + 35 + 41	34 + 39 + 41	39 + 39 + 42
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6196	6324	6585
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Regular Quiet

			140 DCC090TR-21GVVW	141 DCC093TR-21GVWW	142 DCC096TR-21GWWW
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	898.2	928.2	958.2
Nominal Input - Mechanical		kW	285.5	297.0	308.4
EER	(2)		3.15	3.13	3.11
ESEER			4.58	4.55	4.50
SEER			4.42	4.39	4.34
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	903.4	932.4	961.3
Nominal Input - Mechanical		kW	290.9	301.8	312.6
EER	(2)		3.11	3.09	3.08
ESEER			4.11	4.10	4.08
SEER			4.00	3.99	3.97
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.10	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770
Weight					
Machine	(3)	kg	7935	7960	7990
Operating		kg	8695	8720	8750
Water Volume (Total Internal)		l	760	760	760
Maximum Waterflow		l/s	63.1	63.1	63.1
Minimum Waterflow		l/s	14.1	14.1	14.1
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	135.3	135.3	135.3
Nominal Airflow - AC Fans		m³/s	121.3	121.3	121.3
Quantity			21	21	21
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	1026	1026	1026
Maximum Speed - AC Fans		rpm	911	911	911
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	40 + 40 + 44	40 + 40 + 44	40 + 40 + 44
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6840	7027	7398
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			143 DCC048DX-10EPV0	144 DCC049DX-10EYY0	145 DCC049DX-12EPV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	474.9	489.2	490.4
Nominal Input - Mechanical		kW	164.5	173.1	158.1
EER	(2)		2.89	2.83	3.10
ESEER			4.28	4.37	4.48
SEER			4.13	4.20	4.33
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	476.9	491.3	492.0
Nominal Input - Mechanical		kW	167.4	175.8	161.9
EER	(2)		2.85	2.79	3.04
ESEER			4.02	4.07	4.14
SEER			3.90	3.93	4.02
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	25-45-65-80-100	20-35-50-70-85-100	25-40-65-80-100
Minimum Turndown Ratio			0.23	0.18	0.23
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	4485	4620	5000
Operating		kg	4755	4885	5335
Water Volume (Total Internal)		l	270	265	335
Maximum Waterflow		l/s	29.7	29.7	29.7
Minimum Waterflow		l/s	6.8	6.8	6.8
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	44.1	44.1	53.0
Nominal Airflow - AC Fans		m³/s	45.5	45.5	54.6
Quantity			10	10	12
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Tandem + Trio	Trio + Trio	Tandem + Trio
Quantity of Compressors			5	6	5
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	24 + 34	29 + 30	28 + 37
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1861	1480	1887
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			146 DCC051DX-12EYY0	147 DCC053DX-11DYV0	148 DCC056DX-12DVV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	505.0	525.5	558.3
Nominal Input - Mechanical		kW	165.9	180.8	188.3
EER	(2)		3.04	2.91	2.97
ESEER			4.51	4.46	4.51
SEER			4.35	4.29	4.34
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	506.7	527.7	560.5
Nominal Input - Mechanical		kW	169.7	184.0	191.7
EER	(2)		2.99	2.87	2.92
ESEER			4.14	4.14	4.17
SEER			4.01	4.00	4.04
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.17	0.17	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	5135	5130	5190
Operating		kg	5465	5525	5580
Water Volume (Total Internal)		l	330	395	390
Maximum Waterflow		l/s	29.7	27.3	28.1
Minimum Waterflow		l/s	6.8	6.4	6.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	53.0	48.6	53.0
Nominal Airflow - AC Fans		m³/s	54.6	50.1	54.6
Quantity			12	11	12
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	32 + 33	30 + 35	35 + 36
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1484	1517	1667
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			149 DCC058DX-12DVW0	150 DCC061DX-12DWW0	151 DCC050DX-14EPV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	580.2	611.5	501.1
Nominal Input - Mechanical		kW	200.2	212.9	154.1
EER	(2)		2.90	2.87	3.25
ESEER			4.45	4.44	4.62
SEER			4.28	4.27	4.47
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	582.7	614.3	502.5
Nominal Input - Mechanical		kW	203.6	216.2	158.9
EER	(2)		2.86	2.84	3.16
ESEER			4.13	4.14	4.22
SEER			3.99	4.00	4.11
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-70-85-100	20-35-55-70-85-100	20-40-60-80-100
Minimum Turndown Ratio			0.17	0.18	0.22
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	5220	5250	5460
Operating		kg	5610	5640	5830
Water Volume (Total Internal)		l	390	390	370
Maximum Waterflow		l/s	35.1	35.1	29.7
Minimum Waterflow		l/s	8.0	13.4	6.8
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	53.0	53.0	61.8
Nominal Airflow - AC Fans		m³/s	54.6	54.6	63.7
Quantity			12	12	14
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio	Trio + Trio	Tandem + Trio
Quantity of Compressors			6	6	5
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	35 + 36	36 + 37	32 + 39
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1657	1865	1893
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			152 DCC052DX-14EYY0	153 DCC054DX-13DYV0	154 DCC057DX-14DVV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	516.3	540.9	572.8
Nominal Input - Mechanical		kW	161.4	174.2	182.1
EER	(2)		3.20	3.11	3.15
ESEER			4.62	4.59	4.63
SEER			4.46	4.43	4.47
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	517.7	542.2	574.6
Nominal Input - Mechanical		kW	166.1	178.4	186.6
EER	(2)		3.12	3.04	3.08
ESEER			4.18	4.21	4.23
SEER			4.07	4.08	4.10
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.17	0.16	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	5590	5585	5650
Operating		kg	5960	6015	6080
Water Volume (Total Internal)		l	370	430	430
Maximum Waterflow		l/s	29.7	27.3	28.1
Minimum Waterflow		l/s	6.8	6.4	6.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	61.8	57.4	61.8
Nominal Airflow - AC Fans		m³/s	63.7	59.2	63.7
Quantity			14	13	14
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	36 + 35	33 + 37	39 + 38
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1487	1521	1671
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			155 DCC060DX-14DVW0	156 DCC063DX-14DWW0	157 DCC066TX-13GPPY
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	596.4	630.0	656.3
Nominal Input - Mechanical		kW	193.4	205.5	228.8
EER	(2)		3.08	3.07	2.87
ESEER			4.57	4.56	4.33
SEER			4.41	4.40	4.17
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	598.5	632.4	659.2
Nominal Input - Mechanical		kW	197.8	209.8	232.4
EER	(2)		3.03	3.01	2.84
ESEER			4.19	4.20	4.08
SEER			4.06	4.08	3.94
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-45-60-75-90-100
Minimum Turndown Ratio			0.16	0.17	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Weight					
Machine	(3)	kg	5675	5710	6155
Operating		kg	6105	6135	6765
Water Volume (Total Internal)		l	430	425	610
Maximum Waterflow		l/s	35.1	35.1	35.9
Minimum Waterflow		l/s	8.0	13.4	8.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	61.8	61.8	57.4
Nominal Airflow - AC Fans		m³/s	63.7	63.7	59.2
Quantity			14	14	13
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio	Trio + Trio	Tandem + Tandem + Trio
Quantity of Compressors			6	6	7
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	39 + 38	40 + 39	24 + 27 + 31
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1661	1870	3741
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			158 DCC070TX-14GPYY	159 DCC055DX-15DYV0	160 DCC059DX-16DVV0
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	692.3	552.0	583.6
Nominal Input - Mechanical		kW	243.9	169.8	178.0
EER	(2)		2.84	3.25	3.28
ESEER			4.30	4.70	4.73
SEER			4.14	4.54	4.57
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	695.3	553.6	585.2
Nominal Input - Mechanical		kW	247.8	174.9	183.4
EER	(2)		2.81	3.17	3.19
ESEER			4.03	4.25	4.27
SEER			3.90	4.13	4.15
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-30-40-55-65-80-90-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.16	0.16	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	6370	5910	5975
Operating		kg	6980	6350	6405
Water Volume (Total Internal)		l	610	440	430
Maximum Waterflow		l/s	47.5	27.3	28.1
Minimum Waterflow		l/s	10.5	6.4	6.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	61.8	66.2	70.6
Nominal Airflow - AC Fans		m³/s	63.7	68.3	72.8
Quantity			14	15	16
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Tandem + Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			8	6	6
Oil Charge Volume (Total)		l	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	24 + 31 + 31	37 + 40	43 + 41
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	4835	1524	1673
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			161 DCC061DX-16DVW0	162 DCC065DX-16DWW0	163 DCC068TX-16GPPY
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	608.4	643.8	682.2
Nominal Input - Mechanical		kW	188.8	200.4	218.4
EER	(2)		3.22	3.21	3.12
ESEER			4.67	4.66	4.55
SEER			4.51	4.50	4.39
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	610.2	645.9	684.5
Nominal Input - Mechanical		kW	194.2	205.6	223.4
EER	(2)		3.14	3.14	3.06
ESEER			4.23	4.25	4.20
SEER			4.11	4.13	4.08
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	15-35-45-60-75-90-100
Minimum Turndown Ratio			0.16	0.17	0.16
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	6005	6040	6550
Operating		kg	6435	6465	7160
Water Volume (Total Internal)		l	430	425	610
Maximum Waterflow		l/s	35.1	35.1	35.9
Minimum Waterflow		l/s	8.0	13.4	8.4
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	70.6	70.6	70.6
Nominal Airflow - AC Fans		m³/s	72.8	72.8	72.8
Quantity			16	16	16
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio	Trio + Trio	Tandem + Tandem + Trio
Quantity of Compressors			6	6	7
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	43 + 41	44 + 42	28 + 31 + 34
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	1663	1873	3793
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			164 DCC075TX-15GYYY	165 DCC077TX-16GYYV	166 DCC072TX-17GPYY
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	744.7	771.2	717.0
Nominal Input - Mechanical		kW	260.5	267.5	233.4
EER	(2)		2.86	2.88	3.07
ESEER			4.45	4.45	4.49
SEER			4.28	4.28	4.33
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	748.0	774.4	719.4
Nominal Input - Mechanical		kW	264.6	272.0	238.8
EER	(2)		2.83	2.85	3.01
ESEER			4.14	4.13	4.15
SEER			4.00	3.99	4.02
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-25-35-45-60-70-80-90-100	10-25-35-45-55-70-80-90-100	15-30-40-55-65-80-90-100
Minimum Turndown Ratio			0.12	0.11	0.15
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	6815	6900	7130
Operating		kg	7415	7495	7825
Water Volume (Total Internal)		l	600	595	695
Maximum Waterflow		l/s	46.1	46.1	47.5
Minimum Waterflow		l/s	17.7	17.7	10.5
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	66.2	70.6	75.0
Nominal Airflow - AC Fans		m³/s	68.3	72.8	77.4
Quantity			15	16	17
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Trio + Trio
Quantity of Compressors			9	9	8
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	31 + 33 + 33	30 + 33 + 37	28 + 34 + 35
Water Inlet / Outlet - Unit			DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	5978	6107	4868
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			167 DCC077TX-18GYYY	168 DCC080TX-17GYVV	169 DCC083TX-18GVVV
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	769.7	797.6	824.1
Nominal Input - Mechanical		kW	249.7	274.4	281.4
EER	(2)		3.08	2.91	2.93
ESEER			4.59	4.44	4.44
SEER			4.43	4.27	4.27
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	772.4	800.9	827.3
Nominal Input - Mechanical		kW	255.3	279.3	286.7
EER	(2)		3.03	2.87	2.89
ESEER			4.22	4.11	4.10
SEER			4.09	3.98	3.97
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-25-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	7365	7345	7430
Operating		kg	8045	8025	8110
Water Volume (Total Internal)		l	680	680	680
Maximum Waterflow		l/s	46.1	46.1	46.1
Minimum Waterflow		l/s	17.7	17.7	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	79.5	75.0	79.5
Nominal Airflow - AC Fans		m³/s	81.9	77.4	81.9
Quantity			18	17	18
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	34 + 35 + 36	31 + 36 + 37	35 + 36 + 37
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6046	6236	6520
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			170 DCC086TX-18GVVW	171 DCC088TX-18GVWW	172 DCC091TX-18GWWW
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	855.8	880.9	906.1
Nominal Input - Mechanical		kW	294.0	306.2	318.3
EER	(2)		2.91	2.88	2.85
ESEER			4.47	4.44	4.39
SEER			4.30	4.27	4.22
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	859.3	884.8	910.2
Nominal Input - Mechanical		kW	299.2	311.2	323.3
EER	(2)		2.87	2.84	2.82
ESEER			4.14	4.12	4.09
SEER			4.00	3.98	3.95
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-25-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Weight					
Machine	(3)	kg	7485	7510	7540
Operating		kg	8155	8180	8210
Water Volume (Total Internal)		l	670	670	670
Maximum Waterflow		l/s	63.1	63.1	63.1
Minimum Waterflow		l/s	14.1	14.1	14.1
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	79.5	79.5	79.5
Nominal Airflow - AC Fans		m³/s	81.9	81.9	81.9
Quantity			18	18	18
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	36 + 38 + 39	36 + 38 + 39	36 + 38 + 39
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6770	6958	7285
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			173 DCC070TX-19GPPY	174 DCC074TX-20GPYY	175 DCC079TX-21GYYY
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	699.7	734.0	787.5
Nominal Input - Mechanical		kW	212.2	227.0	242.8
EER	(2)		3.30	3.23	3.24
ESEER			4.70	4.63	4.70
SEER			4.54	4.47	4.54
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	701.7	736.1	789.7
Nominal Input - Mechanical		kW	218.6	233.7	249.8
EER	(2)		3.21	3.15	3.16
ESEER			4.28	4.22	4.26
SEER			4.16	4.10	4.14
Nominal Output - Free Cooling		kW	0	0	0
Ambient temperature for 100% Free Cooling	(5)	°C	0	0	0
Capacity Steps		%	15-30-45-60-75-90-100	15-25-40-55-65-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.16	0.15	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 11638	2682 x 2200 x 11638	2682 x 2200 x 12770
Weight					
Machine	(3)	kg	7330	7540	8065
Operating		kg	8070	8280	8840
Water Volume (Total Internal)		l	740	740	775
Maximum Waterflow		l/s	35.9	47.5	46.1
Minimum Waterflow		l/s	8.4	10.5	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	83.9	88.3	92.7
Nominal Airflow - AC Fans		m³/s	86.5	91.0	95.6
Quantity			19	20	21
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Tandem + Tandem + Trio	Tandem + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			7	8	9
Oil Charge Volume (Total)		l	2 x 5.3 + 2 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration Charge (Total)		kg	31 + 34 + 39	31 + 37 + 39	38 + 38 + 41
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	3807	4881	6095
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			176 DCC080TX-19GYYV	177 DCC081TX-22GYYV	178 DCC082TX-20GYVV
FreeCooling			N	N	N
Enhance Capital Allowance			N	N	N
Number of Refrigeration Circuits			2	2	2
Cooling Duty - High Airflow EC Fans					
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A
ESEER			N/A	N/A	N/A
SEER			N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	794.8	811.9	820.0
Nominal Input - Mechanical		kW	257.2	250.6	264.8
EER	(2)		3.09	3.24	3.10
ESEER			4.58	4.69	4.56
SEER			4.42	4.53	4.40
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Cooling Duty - AC Fans					
Nominal Output - Mechanical	(1)	kW	797.5	814.2	822.7
Nominal Input - Mechanical		kW	263.2	258.0	271.1
EER	(2)		3.03	3.16	3.03
ESEER			4.20	4.24	4.18
SEER			4.07	4.13	4.06
Nominal Output - Free Cooling		kW			
Ambient temperature for 100% Free Cooling	(5)	°C			
Capacity Steps		%	10-20-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 11638	2682 x 2200 x 12770	2682 x 2200 x 11638
Weight					
Machine	(3)	kg	7680	8150	7760
Operating		kg	8405	8920	8485
Water Volume (Total Internal)		l	725	770	725
Maximum Waterflow		l/s	46.1	46.1	46.1
Minimum Waterflow		l/s	17.7	17.7	17.7
Face Area (Total)		m²	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	83.9	97.1	88.3
Nominal Airflow - AC Fans		m³/s	86.5	100.1	91.0
Quantity			19	22	20
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration					
Charge (Total)		kg	34 + 35 + 41	37 + 38 + 45	34 + 39 + 41
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5
Water System					
Minimum System Water Volume	(4)	l	6175	6223	6303
Maximum System Operating Pressure		Bar	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume.
For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Mechanical Data - Extra Quiet

			179 DCC085TX-21GVVV	180 DCC088TX-21GVVW	181 DCC091TX-21GVWW	182 DCC094TX-21GWWW
FreeCooling			N	N	N	N
Enhance Capital Allowance			N	N	N	N
Number of Refrigeration Circuits			2	2	2	2
Cooling Duty - High Airflow EC Fans						
Nominal Output - Mechanical	(1)	kW	N/A	N/A	N/A	N/A
Nominal Input - Mechanical		kW	N/A	N/A	N/A	N/A
EER	(2)		N/A	N/A	N/A	N/A
ESEER			N/A	N/A	N/A	N/A
SEER			N/A	N/A	N/A	N/A
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A
Cooling Duty - EC Fans						
Nominal Output - Mechanical	(1)	kW	845.1	879.2	906.2	933.2
Nominal Input - Mechanical		kW	272.3	284.3	295.8	307.3
EER	(2)		3.10	3.09	3.06	3.04
ESEER			4.55	4.59	4.55	4.51
SEER			4.39	4.42	4.39	4.34
Nominal Output - Free Cooling		kW				
Ambient temperature for 100% Free Cooling	(5)	°C				
Cooling Duty - AC Fans						
Nominal Output - Mechanical	(1)	kW	847.8	882.3	909.5	936.7
Nominal Input - Mechanical		kW	279.0	290.9	302.3	313.7
EER	(2)		3.04	3.03	3.01	2.99
ESEER			4.16	4.19	4.18	4.15
SEER			4.04	4.07	4.05	4.03
Nominal Output - Free Cooling		kW				
Ambient temperature for 100% Free Cooling	(5)	°C				
Capacity Steps		%	10-25-35-45-55-70-80-90-100	10-20-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.11	0.11	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770
Weight						
Machine	(3)	kg	8135	8185	8215	8245
Operating		kg	8905	8950	8975	9005
Water Volume (Total Internal)		l	770	765	760	760
Maximum Waterflow		l/s	46.1	63.1	63.1	63.1
Minimum Waterflow		l/s	17.7	14.1	14.1	14.1
Face Area (Total)		m²	2.38	2.38	2.38	2.38
Nominal Airflow - High Airflow EC Fans		m³/s	N/A	N/A	N/A	N/A
Nominal Airflow - EC Fans		m³/s	92.7	92.7	92.7	92.7
Nominal Airflow - AC Fans		m³/s	95.6	95.6	95.6	95.6
Quantity			21	21	21	21
Maximum Speed - High Airflow EC Fans		rpm	N/A	N/A	N/A	N/A
Maximum Speed - EC Fans		rpm	725	725	725	725
Maximum Speed - AC Fans		rpm	733	733	733	733
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9	9
Oil Charge Volume (Total)		l	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration Charge (Total)		kg	39 + 39 + 42	40 + 40 + 44	40 + 40 + 44	40 + 40 + 44
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System						
Minimum System Water Volume	(4)	l	6577	6831	7019	7359
Maximum System Operating Pressure		Bar	10	10	10	10

(1) Based on units performance at 12/7°C return/supply temperatures, 35°C ambient, 100% water.
(2) EER = DX Cooling Output / (Compressor input power + Fan Input Power),
(3) Based on standard unit without options, operating weight includes refrigerant charge and water volume. For unit weights with waterside options fitted please refer to Airedale.
(4) For minimum system volume, refer to Design Features & Information - Minimum System Water Volume Calculations
(5) Ambient temperature that full Freecool capacity can be achieved

DCC Electrical Data

The following electrical data tables have been reduced in size. This reduction is size is for common electrical features.

Mains supply voltage 400V 3PH 50Hz

Maximum mains incoming Cable size Direct to Bus bar
Recommended Permanent Fuse size 16 Amps
Permanent mains supply 230 Volts 1 Ph 50 Hz
Maximum permanent incoming cable size 10 mm²
Control Circuit 24V / 230V AC

External evaporator/ pipe work trace heating available (fitted by others) 500 Watts.

DCC Electrical Data - Regular Quiet

Unit Data			98 DCC047DR-08EPV0	99 DCC049DR-08EYY0	100 DCC049DR-10EPV0
Nominal Run Amps	(1)	A	333.9	334.5	342.1
Maximum Start Amps		A	569.2	571.1	577.4
Recommended Mains Fuse Size		A	355	355	400
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			8	8	10
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			8	8	10
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 55.2	47.5 / 47.5	59.2 / 55.2
Quantity			2 + 3	3 + 3	2 + 3
Motor Rating		kW	36.2 / 33.1	29.6 / 29.6	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 267	287 / 287	298 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	301.9	311.5	308.0
Reactive power reduction/saving	(4)	kVAr	53.1	40.7	56.2
Maximum Start Amps		A	537.2	548.1	543.3
Recommended Mains Fuse Size		A	355	355	400
Electronic Soft-start					
Nominal Run Amps		A	333.9	334.5	342.1
Maximum Start Amps		A	450.0	456.3	458.2
Recommended Mains Fuse		A	355	355	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	301.9	311.5	308.0
Maximum Start Amps		A	418.0	433.3	424.1
Recommended Mains Fuse Size		A	355	355	400
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	8.9	8.9	8.9
Unit Nominal Run Amps		A	342.5	343.0	350.8
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	4.4	4.4	4.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	345.0	345.5	353.2
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	6.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	7.3	7.3	7.3
Unit Nominal Run Amps		A	339.5	340.3	347.7
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	4.5	4.5	4.5
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	10.1	10.1
Unit Nominal Run Amps		A	341.7	342.6	349.9
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	6.3	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			101 DCC051DR-10EYY0	102 DCC052DR-09DYV0	103 DCC056DR-10DVV0
Nominal Run Amps	(1)	A	342.6	363.4	392.7
Maximum Start Amps		A	579.2	591.8	601.1
Recommended Mains Fuse Size		A	400	400	450
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)			0.0	0	0
Quantity			10	9	10
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			10	9	10
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5	47.5 / 55.2	55.2 / 55.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.6 / 29.6	29.6 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287	287 / 267	267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	317.5	331.8	352.2
Reactive power reduction/saving	(4)	kVAr	43.8	53.5	66.2
Maximum Start Amps		A	554.1	560.2	560.6
Recommended Mains Fuse Size		A	400	400	450
Electronic Soft-start					
Nominal Run Amps		A	342.6	363.4	392.7
Maximum Start Amps		A	464.4	477.0	494.3
Recommended Mains Fuse		A	400	400	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	317.5	331.8	352.2
Maximum Start Amps		A	439.3	445.4	453.8
Recommended Mains Fuse Size		A	400	400	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	8.9	8.9	8.9
Unit Nominal Run Amps		A	351.1	372.0	401.3
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	4.4	4.4	4.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	353.6	374.5	403.8
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	6.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	7.3	7.3	7.3
Unit Nominal Run Amps		A	348.3	369.1	398.2
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	4.5	4.5	4.5
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	10.1	10.1
Unit Nominal Run Amps		A	350.6	371.3	400.4
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	6.3	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			104 DCC058DR-10DVW0	105 DCC061DR-10DWW0	106 DCC065TR-10GPPY
Nominal Run Amps	(1)	A	404.7	416.9	442.4
Maximum Start Amps		A	640.0	652.2	677.7
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	250
Condenser Fan - Per Fan (AC)					
Quantity			10	10	10
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			10	10	10
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.5
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 298	298 / 298	298 / 298 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	366.3	380.4	407.3
Reactive power reduction/saving	(4)	kVAr	63.9	61.6	60.4
Maximum Start Amps		A	601.6	615.7	642.6
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	404.7	416.9	442.4
Maximum Start Amps		A	520.8	533.0	558.5
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	366.3	380.4	407.3
Maximum Start Amps		A	482.4	496.5	523.4
Recommended Mains Fuse Size		A	450	450	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	8.9	11.2	11.2
Unit Nominal Run Amps		A	413.4	428.0	453.5
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	4.4	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	14.8	14.8
Unit Nominal Run Amps		A	415.8	431.6	457.1
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.1	8.4	8.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	7.3	10.2	10.2
Unit Nominal Run Amps		A	410.4	424.9	450.4
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	4.5	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	13.9	13.9
Unit Nominal Run Amps		A	412.6	427.7	453.3
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.3	8.6	8.6

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			107 DCC050DR-12EPV0	108 DCC052DR-12EYY0	109 DCC054DR-11DYV0
Nominal Run Amps	(1)	A	350.4	350.7	371.6
Maximum Start Amps		A	585.7	587.3	600.0
Recommended Mains Fuse Size		A	400	400	400
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			12	12	11
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			12	12	11
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 55.2	47.5 / 47.5	47.5 / 55.2
Quantity			2 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 33.1	29.6 / 29.6	29.6 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 267	287 / 287	287 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	314.0	323.6	337.9
Reactive power reduction/saving	(4)	kVAr	59.3	46.9	56.6
Maximum Start Amps		A	549.3	560.2	566.3
Recommended Mains Fuse Size		A	400	400	400
Electronic Soft-start					
Nominal Run Amps		A	350.4	350.7	371.6
Maximum Start Amps		A	466.5	472.5	485.2
Recommended Mains Fuse		A	400	400	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	314.0	323.6	337.9
Maximum Start Amps		A	430.1	445.4	451.5
Recommended Mains Fuse Size		A	400	400	400
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	8.9	8.9	8.9
Unit Nominal Run Amps		A	359.0	359.3	380.2
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	4.4	4.4	4.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	361.5	361.8	382.7
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	6.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	7.3	7.3	7.3
Unit Nominal Run Amps		A	355.9	356.4	377.2
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	4.5	4.5	4.5
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	10.1	10.1
Unit Nominal Run Amps		A	358.1	358.7	379.5
Recommended Mains Fuse Size		A	400	400	400
Motor Rating		kW	6.3	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			110 DCC058DR-12DVV0	111 DCC060DR-12DVW0	112 DCC063DR-12DWW0
Nominal Run Amps	(1)	A	400.9	413.0	425.1
Maximum Start Amps		A	609.3	648.3	660.4
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			12	12	12
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			12	12	12
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267	267 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	358.3	372.4	386.5
Reactive power reduction/saving	(4)	kVAr	69.3	67.0	64.7
Maximum Start Amps		A	566.7	607.7	621.8
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	400.9	413.0	425.1
Maximum Start Amps		A	502.5	529.1	541.2
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	358.3	372.4	386.5
Maximum Start Amps		A	459.9	488.5	502.6
Recommended Mains Fuse Size		A	450	450	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	8.9	11.2	11.2
Unit Nominal Run Amps		A	409.6	424.1	436.2
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	4.4	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	14.8	14.8
Unit Nominal Run Amps		A	412.1	427.7	439.8
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.1	8.4	8.4
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	7.3	10.2	10.2
Unit Nominal Run Amps		A	406.5	420.9	433.0
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	4.5	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	13.9	13.9
Unit Nominal Run Amps		A	408.7	423.7	435.9
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.3	8.6	8.6

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			113 DCC069TR-11GPYY	114 DCC074TR-12GYYY	115 DCC056DR-13DYV0
Nominal Run Amps	(1)	A	472.0	501.7	379.8
Maximum Start Amps		A	707.3	738.3	608.2
Recommended Mains Fuse Size		A	500	560	400
Evaporator					
Immersion Heater Rating		W	250	250	170
Condenser Fan - Per Fan (AC)					
Quantity			11	12	13
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			11	12	13
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 47.5 / 47.5	47.5 / 47.5 / 47.5	47.5 / 55.2
Quantity			2 + 3 + 3	3 + 3 + 3	3 + 3
Motor Rating		kW	36.2 / 29.6 / 29.6	29.6 / 29.6 / 29.6	29.6 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 287 / 287	287 / 287 / 287	287 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	437.3	467.2	344.0
Reactive power reduction/saving	(4)	kVAr	60.7	61.0	59.7
Maximum Start Amps		A	672.6	703.8	572.4
Recommended Mains Fuse Size		A	500	560	400
Electronic Soft-start					
Nominal Run Amps		A	472.0	501.7	379.8
Maximum Start Amps		A	588.1	623.5	493.4
Recommended Mains Fuse		A	500	560	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	437.3	467.2	344.0
Maximum Start Amps		A	553.4	589.0	457.6
Recommended Mains Fuse Size		A	500	560	400
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	8.9
Unit Nominal Run Amps		A	483.1	512.8	388.4
Recommended Mains Fuse Size		A	560	560	450
Motor Rating		kW	6.2	6.2	4.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	11.2
Unit Nominal Run Amps		A	493.1	522.8	390.9
Recommended Mains Fuse Size		A	560	560	450
Motor Rating		kW	12.1	12.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	7.3
Unit Nominal Run Amps		A	480.1	509.9	385.4
Recommended Mains Fuse Size		A	560	560	450
Motor Rating		kW	6.4	6.4	4.5
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	10.1
Unit Nominal Run Amps		A	487.8	517.6	387.6
Recommended Mains Fuse Size		A	560	560	450
Motor Rating		kW	12.4	12.4	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			116 DCC059DR-14DVV0	117 DCC061DR-14DVW0	118 DCC065DR-14DWW0
Nominal Run Amps	(1)	A	409.2	421.2	433.3
Maximum Start Amps		A	617.6	656.5	668.6
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			14	14	14
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			14	14	14
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267	267 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	364.3	378.5	392.6
Reactive power reduction/saving	(4)	kVAr	72.4	70.1	67.8
Maximum Start Amps		A	572.7	613.8	627.9
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	409.2	421.2	433.3
Maximum Start Amps		A	510.8	537.3	549.4
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	364.3	378.5	392.6
Maximum Start Amps		A	465.9	494.6	508.7
Recommended Mains Fuse Size		A	450	450	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	420.4	432.3	444.4
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	14.8	21.2
Unit Nominal Run Amps		A	420.4	436.0	454.4
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	6.1	8.4	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	417.0	429.1	441.2
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	13.9	19.8
Unit Nominal Run Amps		A	416.9	431.9	448.7
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	6.3	8.6	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			119 DCC068TR-13GPPY	120 DCC072TR-14GPYY	121 DCC077TR-13GYYV
Nominal Run Amps	(1)	A	454.6	484.2	530.6
Maximum Start Amps		A	689.9	719.5	759.0
Recommended Mains Fuse Size		A	500	560	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			13	14	13
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			13	14	13
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 59.2 / 47.5	59.2 / 47.5 / 47.5	47.5 / 47.5 / 55.2
Quantity			2 + 2 + 3	2 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2 / 29.6	36.2 / 29.6 / 29.6	29.6 / 29.6 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 287	298 / 287 / 287	287 / 287 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	416.5	446.4	487.6
Reactive power reduction/saving	(4)	kVAr	65.1	65.4	73.8
Maximum Start Amps		A	651.8	681.7	716.0
Recommended Mains Fuse Size		A	500	560	560
Electronic Soft-start					
Nominal Run Amps		A	454.6	484.2	530.6
Maximum Start Amps		A	570.7	600.3	644.2
Recommended Mains Fuse		A	500	560	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	416.5	446.4	487.6
Maximum Start Amps		A	532.6	562.5	601.2
Recommended Mains Fuse Size		A	500	560	560
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	465.7	495.3	541.7
Recommended Mains Fuse Size		A	500	560	560
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	475.7	505.3	551.7
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	462.6	492.3	538.6
Recommended Mains Fuse Size		A	500	560	560
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	470.2	499.9	546.2
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			122 DCC080TR-14GYVV	123 DCC070TR-16GPPY	124 DCC077TR-15GYYY
Nominal Run Amps	(1)	A	559.7	466.9	513.9
Maximum Start Amps		A	788.1	702.2	750.5
Recommended Mains Fuse Size		A	630	500	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			14	16	15
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			14	16	15
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 55.2 / 55.2	59.2 / 59.2 / 47.5	47.5 / 47.5 / 47.5
Quantity			3 + 3 + 3	2 + 2 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 33.1 / 33.1	36.2 / 36.2 / 29.6	29.6 / 29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 267 / 267	298 / 298 / 287	287 / 287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	507.9	425.6	476.3
Reactive power reduction/saving	(4)	kVAr	86.6	69.7	65.7
Maximum Start Amps		A	736.3	660.9	712.9
Recommended Mains Fuse Size		A	630	500	560
Electronic Soft-start					
Nominal Run Amps		A	559.7	466.9	513.9
Maximum Start Amps		A	673.3	583.0	635.7
Recommended Mains Fuse		A	630	500	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	507.9	425.6	476.3
Maximum Start Amps		A	621.5	541.7	598.1
Recommended Mains Fuse Size		A	630	500	560
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	570.8	478.0	524.9
Recommended Mains Fuse Size		A	630	500	560
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	580.8	488.0	535.0
Recommended Mains Fuse Size		A	630	560	560
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	567.6	474.9	522.0
Recommended Mains Fuse Size		A	630	500	560
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	575.1	482.4	529.7
Recommended Mains Fuse Size		A	630	560	560
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			125 DCC080TR-16GYYV	126 DCC083TR-15GVVV	127 DCC086TR-15GVVW
Nominal Run Amps	(1)	A	542.8	589.0	601.1
Maximum Start Amps		A	771.2	797.4	836.4
Recommended Mains Fuse Size		A	630	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			16	15	15
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			16	15	15
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 55.2	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 33.1	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 267	267 / 267 / 267	267 / 267 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	496.7	528.3	542.4
Reactive power reduction/saving	(4)	kVAr	78.5	99.3	97.0
Maximum Start Amps		A	725.1	736.7	777.7
Recommended Mains Fuse Size		A	630	630	630
Electronic Soft-start					
Nominal Run Amps		A	542.8	589.0	601.1
Maximum Start Amps		A	656.4	690.6	717.2
Recommended Mains Fuse		A	630	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	496.7	528.3	542.4
Maximum Start Amps		A	610.3	629.9	658.5
Recommended Mains Fuse Size		A	630	630	630
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	553.9	600.2	612.2
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	563.9	610.2	622.2
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	550.8	596.9	609.0
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	558.4	604.3	616.4
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			128 DCC088TR-15GVWW	129 DCC091TR-15GWWW	130 DCC074TR-17GPYY
Nominal Run Amps	(1)	A	613.2	625.3	496.4
Maximum Start Amps		A	848.5	860.6	731.7
Recommended Mains Fuse Size		A	670	670	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			15	15	17
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			15	15	17
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2	59.2 / 47.5 / 47.5
Quantity			3 + 3 + 3	3 + 3 + 3	2 + 3 + 3
Motor Rating		kW	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2	36.2 / 29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 298 / 298	298 / 298 / 298	298 / 287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	556.5	570.7	455.5
Reactive power reduction/saving	(4)	kVAr	94.7	92.4	70.0
Maximum Start Amps		A	791.8	806.0	690.8
Recommended Mains Fuse Size		A	670	670	560
Electronic Soft-start					
Nominal Run Amps		A	613.2	625.3	496.4
Maximum Start Amps		A	729.3	741.4	612.5
Recommended Mains Fuse		A	670	670	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	556.5	570.7	455.5
Maximum Start Amps		A	672.6	686.8	571.6
Recommended Mains Fuse Size		A	670	670	560
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	15.2	11.2
Unit Nominal Run Amps		A	624.3	640.4	507.5
Recommended Mains Fuse Size		A	670	670	560
Motor Rating		kW	6.2	8.4	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	634.3	646.5	517.6
Recommended Mains Fuse Size		A	670	670	560
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	13.9	10.2
Unit Nominal Run Amps		A	621.1	636.2	504.5
Recommended Mains Fuse Size		A	670	670	560
Motor Rating		kW	6.4	8.6	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	628.6	640.9	512.1
Recommended Mains Fuse Size		A	670	670	560
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			131 DCC079TR-18GYYY	132 DCC082TR-17GYVV	133 DCC085TR-18GVVV
Nominal Run Amps	(1)	A	526.0	572.0	601.4
Maximum Start Amps		A	762.6	800.4	809.8
Recommended Mains Fuse Size		A	560	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			18	17	18
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			18	17	18
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 47.5	47.5 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 29.6	29.6 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 287	287 / 267 / 267	267 / 267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	485.4	517.0	537.4
Reactive power reduction/saving	(4)	kVAr	70.3	91.2	104.0
Maximum Start Amps		A	722.0	745.4	745.8
Recommended Mains Fuse Size		A	560	630	630
Electronic Soft-start					
Nominal Run Amps		A	526.0	572.0	601.4
Maximum Start Amps		A	647.8	685.6	703.0
Recommended Mains Fuse		A	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	485.4	517.0	537.4
Maximum Start Amps		A	607.2	630.6	639.0
Recommended Mains Fuse Size		A	560	630	630
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	537.1	583.1	612.6
Recommended Mains Fuse Size		A	560	630	670
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	547.2	593.1	622.6
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	534.1	579.9	609.2
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	541.8	587.4	616.6
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			134 DCC088TR-18GVVW	135 DCC091TR-18GVWW	136 DCC094TR-18GWWW
Nominal Run Amps	(1)	A	613.4	625.5	637.6
Maximum Start Amps		A	848.7	860.8	872.9
Recommended Mains Fuse Size		A	670	670	670
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			18	18	18
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			18	18	18
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267 / 298	267 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	551.5	565.7	579.8
Reactive power reduction/saving	(4)	kVAr	101.7	99.4	97.1
Maximum Start Amps		A	786.8	801.0	815.1
Recommended Mains Fuse Size		A	670	670	670
Electronic Soft-start					
Nominal Run Amps		A	613.4	625.5	637.6
Maximum Start Amps		A	729.5	741.6	753.7
Recommended Mains Fuse		A	670	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	551.5	565.7	579.8
Maximum Start Amps		A	667.6	681.8	695.9
Recommended Mains Fuse Size		A	670	670	670
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	15.2	15.2
Unit Nominal Run Amps		A	624.6	640.6	652.7
Recommended Mains Fuse Size		A	670	670	710
Motor Rating		kW	6.2	8.4	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	634.6	646.6	658.7
Recommended Mains Fuse Size		A	670	670	710
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	13.9	13.9
Unit Nominal Run Amps		A	621.3	636.2	648.4
Recommended Mains Fuse Size		A	670	670	710
Motor Rating		kW	6.4	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	628.7	640.9	653.1
Recommended Mains Fuse Size		A	670	670	710
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			137 DCC082TR-19GYYV	138 DCC084TR-20GYVV	139 DCC087TR-21GVVV
Nominal Run Amps	(1)	A	555.1	584.3	613.8
Maximum Start Amps		A	783.5	812.7	822.2
Recommended Mains Fuse Size		A	630	630	670
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			19	20	21
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			19	20	21
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 55.2	47.5 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 33.1	29.6 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 267	287 / 267 / 267	267 / 267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	505.8	526.1	546.5
Reactive power reduction/saving	(4)	kVAr	83.1	95.9	108.6
Maximum Start Amps		A	734.2	754.5	754.9
Recommended Mains Fuse Size		A	630	630	670
Electronic Soft-start					
Nominal Run Amps		A	555.1	584.3	613.8
Maximum Start Amps		A	668.7	697.9	715.4
Recommended Mains Fuse		A	630	630	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	505.8	526.1	546.5
Maximum Start Amps		A	619.4	639.7	648.1
Recommended Mains Fuse Size		A	630	630	670
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	566.2	595.5	625.0
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	576.2	605.5	635.0
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	563.0	592.2	621.6
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	570.6	599.7	629.0
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Regular Quiet

Unit Data			140 DCC090TR-21GVVW	141 DCC093TR-21GVWW	142 DCC096TR-21GWWW
Nominal Run Amps	(1)	A	625.8	637.8	649.9
Maximum Start Amps		A	861.1	873.1	885.2
Recommended Mains Fuse Size		A	670	670	710
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			21	21	21
Full Load Amps		A	4.3	4.3	4.3
Locked Rotor Amps		A	15.0	15.0	15.0
Motor Rating		kW	2.0	2.0	2.0
Condenser Fan - Per Fan (EC)					
Quantity			21	21	21
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267 / 298	267 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	560.6	574.8	588.9
Reactive power reduction/saving	(4)	kVAr	106.3	104.0	101.8
Maximum Start Amps		A	795.9	810.1	824.2
Recommended Mains Fuse Size		A	670	670	710
Electronic Soft-start					
Nominal Run Amps		A	625.8	637.8	649.9
Maximum Start Amps		A	741.9	753.9	766.0
Recommended Mains Fuse		A	670	670	710
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	560.6	574.8	588.9
Maximum Start Amps		A	676.7	690.9	705.0
Recommended Mains Fuse Size		A	670	670	710
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	15.2	15.2	15.2
Unit Nominal Run Amps		A	640.9	652.9	665.0
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	8.4	8.4	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	647.0	659.0	671.1
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	13.9
Unit Nominal Run Amps		A	636.4	648.5	660.7
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	8.6	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	641.1	653.2	665.3
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			143 DCC048DX-10EPV0	144 DCC049DX-10EYY0	145 DCC049DX-12EPV0
Nominal Run Amps	(1)	A	325.5	326.4	330.4
Maximum Start Amps		A	560.8	563.0	565.7
Recommended Mains Fuse Size		A	355	355	355
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			10	10	12
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			10	10	12
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 55.2	47.5 / 47.5	59.2 / 55.2
Quantity			2 + 3	3 + 3	2 + 3
Motor Rating		kW	36.2 / 33.1	29.6 / 29.6	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 267	287 / 287	298 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	296.9	306.5	300.7
Reactive power reduction/saving	(4)	kVAr	48.3	35.9	49.9
Maximum Start Amps		A	532.2	543.1	536.0
Recommended Mains Fuse Size		A	355	355	355
Electronic Soft-start					
Nominal Run Amps		A	325.5	326.4	330.4
Maximum Start Amps		A	441.6	448.2	446.5
Recommended Mains Fuse		A	355	355	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	296.9	306.5	300.7
Maximum Start Amps		A	413.0	428.3	416.8
Recommended Mains Fuse Size		A	355	355	355
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	8.9	8.9	8.9
Unit Nominal Run Amps		A	334.1	334.8	339.0
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	4.4	4.4	4.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	336.6	337.4	341.5
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	6.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	7.3	7.3	7.3
Unit Nominal Run Amps		A	331.2	332.2	336.0
Recommended Mains Fuse Size		A	355	355	355
Motor Rating		kW	4.5	4.5	4.5
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	10.1	10.1
Unit Nominal Run Amps		A	333.4	334.5	338.3
Recommended Mains Fuse Size		A	355	355	400
Motor Rating		kW	6.3	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			146 DCC051DX-12EYY0	147 DCC053DX-11DYV0	148 DCC056DX-12DVV0
Nominal Run Amps	(1)	A	331.2	353.4	380.9
Maximum Start Amps		A	567.8	581.8	589.3
Recommended Mains Fuse Size		A	355	400	400
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			12	11	12
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			12	11	12
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5	47.5 / 55.2	55.2 / 55.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.6 / 29.6	29.6 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287	287 / 267	267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	310.3	325.7	345.0
Reactive power reduction/saving	(4)	kVAr	37.4	47.9	59.8
Maximum Start Amps		A	546.9	554.1	553.4
Recommended Mains Fuse Size		A	355	400	400
Electronic Soft-start					
Nominal Run Amps		A	331.2	353.4	380.9
Maximum Start Amps		A	453.0	467.0	482.5
Recommended Mains Fuse		A	355	400	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	310.3	325.7	345.0
Maximum Start Amps		A	432.1	439.3	446.6
Recommended Mains Fuse Size		A	355	400	400
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	8.9	8.9	8.9
Unit Nominal Run Amps		A	339.7	362.0	389.5
Recommended Mains Fuse Size		A	355	400	450
Motor Rating		kW	4.4	4.4	4.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	342.2	364.5	392.0
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	6.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	7.3	7.3	7.3
Unit Nominal Run Amps		A	337.0	359.1	386.5
Recommended Mains Fuse Size		A	355	400	450
Motor Rating		kW	4.5	4.5	4.5
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	10.1	10.1
Unit Nominal Run Amps		A	339.3	361.4	388.7
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	6.3	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			149 DCC058DX-12DVW0	150 DCC061DX-12DWW0	151 DCC050DX-14EPV0
Nominal Run Amps	(1)	A	393.0	405.3	335.2
Maximum Start Amps		A	628.3	640.6	570.5
Recommended Mains Fuse Size		A	450	450	355
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			12	12	14
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			12	12	14
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 59.2	59.2 / 59.2	59.2 / 55.2
Quantity			3 + 3	3 + 3	2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 298	298 / 298	298 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	359.1	373.2	304.6
Reactive power reduction/saving	(4)	kVAr	57.5	55.2	51.4
Maximum Start Amps		A	594.4	608.5	539.9
Recommended Mains Fuse Size		A	450	450	355
Electronic Soft-start					
Nominal Run Amps		A	393.0	405.3	335.2
Maximum Start Amps		A	509.1	521.4	451.3
Recommended Mains Fuse		A	450	450	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	359.1	373.2	304.6
Maximum Start Amps		A	475.2	489.3	420.7
Recommended Mains Fuse Size		A	450	450	355
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	8.9
Unit Nominal Run Amps		A	404.1	416.3	343.9
Recommended Mains Fuse Size		A	450	450	400
Motor Rating		kW	6.2	6.2	4.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	404.1	416.3	346.3
Recommended Mains Fuse Size		A	450	450	400
Motor Rating		kW	6.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	7.3
Unit Nominal Run Amps		A	401.0	413.3	340.9
Recommended Mains Fuse Size		A	450	450	400
Motor Rating		kW	6.4	6.4	4.5
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	10.1	10.1
Unit Nominal Run Amps		A	400.9	413.2	343.1
Recommended Mains Fuse Size		A	450	450	400
Motor Rating		kW	6.3	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			152 DCC052DX-14EYY0	153 DCC054DX-13DYV0	154 DCC057DX-14DVV0
Nominal Run Amps	(1)	A	336.0	358.3	385.8
Maximum Start Amps		A	572.6	586.7	594.2
Recommended Mains Fuse Size		A	355	400	450
Evaporator					
Immersion Heater Rating		W	170	170	170
Condenser Fan - Per Fan (AC)					
Quantity			14	13	14
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			14	13	14
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5	47.5 / 55.2	55.2 / 55.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.6 / 29.6	29.6 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287	287 / 267	267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	314.2	329.6	348.8
Reactive power reduction/saving	(4)	kVAr	38.9	49.4	61.4
Maximum Start Amps		A	550.8	558.0	557.2
Recommended Mains Fuse Size		A	355	400	450
Electronic Soft-start					
Nominal Run Amps		A	336.0	358.3	385.8
Maximum Start Amps		A	457.8	471.9	487.4
Recommended Mains Fuse		A	355	400	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	314.2	329.6	348.8
Maximum Start Amps		A	436.0	443.2	450.4
Recommended Mains Fuse Size		A	355	400	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	8.9	8.9	8.9
Unit Nominal Run Amps		A	344.5	366.9	394.4
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	4.4	4.4	4.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	347.0	369.3	396.9
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	6.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	7.3	7.3	7.3
Unit Nominal Run Amps		A	341.8	364.0	391.4
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	4.5	4.5	4.5
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.1	10.1	10.1
Unit Nominal Run Amps		A	344.1	366.2	393.6
Recommended Mains Fuse Size		A	400	400	450
Motor Rating		kW	6.3	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			155 DCC060DX-14DVW0	156 DCC063DX-14DWW0	157 DCC066TX-13GPPY
Nominal Run Amps	(1)	A	397.9	410.1	433.3
Maximum Start Amps		A	633.2	645.4	668.6
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	250
Condenser Fan - Per Fan (AC)					
Quantity			14	14	13
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			14	14	13
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.5
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 298	298 / 298	298 / 298 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	362.9	377.1	402.0
Reactive power reduction/saving	(4)	kVAr	59.1	56.8	54.8
Maximum Start Amps		A	598.2	612.4	637.3
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	397.9	410.1	433.3
Maximum Start Amps		A	514.0	526.2	549.4
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	362.9	377.1	402.0
Maximum Start Amps		A	479.0	493.2	518.1
Recommended Mains Fuse Size		A	450	450	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	409.0	421.2	444.3
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	21.2
Unit Nominal Run Amps		A	412.6	424.8	454.4
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	8.4	8.4	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	405.9	418.2	441.4
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	19.8
Unit Nominal Run Amps		A	408.7	421.0	449.1
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	8.6	8.6	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			158 DCC070TX-14GPYY	159 DCC055DX-15DYV0	160 DCC059DX-16DVV0
Nominal Run Amps	(1)	A	461.4	363.1	390.6
Maximum Start Amps		A	696.7	591.5	599.0
Recommended Mains Fuse Size		A	500	400	450
Evaporator					
Immersion Heater Rating		W	250	170	170
Condenser Fan - Per Fan (AC)					
Quantity			14	15	16
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			14	15	16
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 47.5 / 47.5	47.5 / 55.2	55.2 / 55.2
Quantity			2 + 3 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 29.6 / 29.6	29.6 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 287 / 287	287 / 267	267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	430.9	333.4	352.7
Reactive power reduction/saving	(4)	kVAr	54.3	50.9	62.9
Maximum Start Amps		A	666.2	561.8	561.1
Recommended Mains Fuse Size		A	500	400	450
Electronic Soft-start					
Nominal Run Amps		A	461.4	363.1	390.6
Maximum Start Amps		A	577.5	476.7	492.2
Recommended Mains Fuse		A	500	400	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	430.9	333.4	352.7
Maximum Start Amps		A	547.0	447.0	454.3
Recommended Mains Fuse Size		A	500	400	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	8.9	11.2
Unit Nominal Run Amps		A	472.4	371.7	401.8
Recommended Mains Fuse Size		A	500	400	450
Motor Rating		kW	6.2	4.4	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	11.2	11.2
Unit Nominal Run Amps		A	482.4	374.2	401.8
Recommended Mains Fuse Size		A	500	400	450
Motor Rating		kW	12.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	7.3	10.2
Unit Nominal Run Amps		A	469.6	368.8	398.6
Recommended Mains Fuse Size		A	500	400	450
Motor Rating		kW	6.4	4.5	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	10.1	10.1
Unit Nominal Run Amps		A	477.3	371.1	398.5
Recommended Mains Fuse Size		A	500	400	450
Motor Rating		kW	12.4	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			161 DCC061DX-16DVW0	162 DCC065DX-16DWW0	163 DCC068TX-16GPPY
Nominal Run Amps	(1)	A	402.8	415.0	440.5
Maximum Start Amps		A	638.1	650.3	675.8
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	250
Condenser Fan - Per Fan (AC)					
Quantity			16	16	16
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			16	16	16
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.5
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 298	298 / 298	298 / 298 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	366.8	380.9	407.8
Reactive power reduction/saving	(4)	kVAr	60.6	58.3	57.1
Maximum Start Amps		A	602.1	616.2	643.1
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	402.8	415.0	440.5
Maximum Start Amps		A	518.9	531.1	556.6
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	366.8	380.9	407.8
Maximum Start Amps		A	482.9	497.0	523.9
Recommended Mains Fuse Size		A	450	450	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	413.9	426.1	451.6
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	21.2
Unit Nominal Run Amps		A	417.5	429.7	461.6
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	8.4	8.4	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	410.7	423.0	448.6
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	13.9	13.9	19.8
Unit Nominal Run Amps		A	413.6	425.9	456.3
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	8.6	8.6	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			164 DCC075TX-15GYYY	165 DCC077TX-16GYYV	166 DCC072TX-17GPYY
Nominal Run Amps	(1)	A	489.5	516.5	468.6
Maximum Start Amps		A	726.1	744.9	703.9
Recommended Mains Fuse Size		A	560	560	500
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			15	16	17
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			15	16	17
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 47.5	47.5 / 47.5 / 55.2	59.2 / 47.5 / 47.5
Quantity			3 + 3 + 3	3 + 3 + 3	2 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 29.6	29.6 / 29.6 / 33.1	36.2 / 29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 287	287 / 287 / 267	298 / 287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	459.7	478.9	436.6
Reactive power reduction/saving	(4)	kVAr	53.8	65.8	56.6
Maximum Start Amps		A	696.3	707.3	671.9
Recommended Mains Fuse Size		A	560	560	500
Electronic Soft-start					
Nominal Run Amps		A	489.5	516.5	468.6
Maximum Start Amps		A	611.3	630.1	584.7
Recommended Mains Fuse		A	560	560	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	459.7	478.9	436.6
Maximum Start Amps		A	581.5	592.5	552.7
Recommended Mains Fuse Size		A	560	560	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	500.6	527.6	479.7
Recommended Mains Fuse Size		A	560	560	500
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	510.6	537.6	489.7
Recommended Mains Fuse Size		A	560	560	560
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	497.8	524.6	476.8
Recommended Mains Fuse Size		A	560	560	500
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	505.5	532.3	484.5
Recommended Mains Fuse Size		A	560	560	560
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			167 DCC077TX-18GYYY	168 DCC080TX-17GYVV	169 DCC083TX-18GVVV
Nominal Run Amps	(1)	A	496.7	543.8	571.3
Maximum Start Amps		A	733.3	772.2	779.7
Recommended Mains Fuse Size		A	560	560	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			18	17	18
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			18	17	18
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 47.5	47.5 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 29.6	29.6 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 287	287 / 267 / 267	267 / 267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	465.5	498.2	517.4
Reactive power reduction/saving	(4)	kVAr	56.1	77.8	89.8
Maximum Start Amps		A	702.1	726.6	725.8
Recommended Mains Fuse Size		A	560	560	630
Electronic Soft-start					
Nominal Run Amps		A	496.7	543.8	571.3
Maximum Start Amps		A	618.5	657.4	672.9
Recommended Mains Fuse		A	560	560	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	465.5	498.2	517.4
Maximum Start Amps		A	587.3	611.8	619.0
Recommended Mains Fuse Size		A	560	560	630
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	507.8	554.9	582.4
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	517.8	564.9	592.5
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	505.0	551.8	579.2
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	512.7	559.4	586.7
Recommended Mains Fuse Size		A	560	630	630
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			170 DCC086TX-18GVVW	171 DCC088TX-18GVWW	172 DCC091TX-18GWWW
Nominal Run Amps	(1)	A	583.4	595.6	607.9
Maximum Start Amps		A	818.7	830.9	843.2
Recommended Mains Fuse Size		A	630	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			18	18	18
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			18	18	18
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	267 / 267 / 298	267 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	531.6	545.7	559.8
Reactive power reduction/saving	(4)	kVAr	87.5	85.2	82.9
Maximum Start Amps		A	766.9	781.0	795.1
Recommended Mains Fuse Size		A	630	630	630
Electronic Soft-start					
Nominal Run Amps		A	583.4	595.6	607.9
Maximum Start Amps		A	699.5	711.7	724.0
Recommended Mains Fuse		A	630	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	531.6	545.7	559.8
Maximum Start Amps		A	647.7	661.8	675.9
Recommended Mains Fuse Size		A	630	630	630
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	15.2
Unit Nominal Run Amps		A	594.6	606.7	622.9
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	6.2	6.2	8.4
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	604.6	616.8	629.0
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	13.9
Unit Nominal Run Amps		A	591.4	603.7	618.8
Recommended Mains Fuse Size		A	630	630	670
Motor Rating		kW	6.4	6.4	8.6
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	599.0	611.2	623.6
Recommended Mains Fuse Size		A	630	670	670
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			173 DCC070TX-19GPPY	174 DCC074TX-20GPYY	175 DCC080TX-19GYYV
Nominal Run Amps	(1)	A	447.8	475.9	504.0
Maximum Start Amps		A	683.1	711.2	740.6
Recommended Mains Fuse Size		A	500	500	560
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			19	20	21
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			19	20	21
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	59.2 / 59.2 / 47.5	59.2 / 47.5 / 47.5	47.5 / 47.5 / 47.5
Quantity			2 + 2 + 3	2 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2 / 29.6	36.2 / 29.6 / 29.6	29.6 / 29.6 / 29.6
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 287	298 / 287 / 287	287 / 287 / 287
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	413.6	442.4	471.3
Reactive power reduction/saving	(4)	kVAr	59.3	58.9	58.4
Maximum Start Amps		A	648.9	677.7	707.9
Recommended Mains Fuse Size		A	500	500	560
Electronic Soft-start					
Nominal Run Amps		A	447.8	475.9	504.0
Maximum Start Amps		A	563.9	592.0	625.8
Recommended Mains Fuse		A	500	500	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	413.6	442.4	471.3
Maximum Start Amps		A	529.7	558.5	593.1
Recommended Mains Fuse Size		A	500	500	560
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	458.9	486.9	515.0
Recommended Mains Fuse Size		A	500	560	560
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	468.9	496.9	525.0
Recommended Mains Fuse Size		A	500	560	560
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	455.9	484.0	512.2
Recommended Mains Fuse Size		A	500	560	560
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	463.6	491.7	519.9
Recommended Mains Fuse Size		A	500	560	560
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			176 DCC082TX-20GYVV	177 DCC079TX-21GYYY	178 DCC081TX-22GYYV
Nominal Run Amps	(1)	A	523.8	531.1	551.1
Maximum Start Amps		A	752.2	759.5	779.5
Recommended Mains Fuse Size		A	560	560	630
Evaporator					
Immersion Heater Rating		W	250	250	250
Condenser Fan - Per Fan (AC)					
Quantity			19	22	20
Full Load Amps		A	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3
Condenser Fan - Per Fan (EC)					
Quantity			19	22	20
Full Load Amps		A	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6
Compressor - Per Compressor					
Nominal Run Amps		A	47.5 / 47.5 / 55.2	47.5 / 47.5 / 55.2	47.5 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.6 / 29.6 / 33.1	29.6 / 29.6 / 33.1	29.6 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	287 / 287 / 267	287 / 287 / 267	287 / 267 / 267
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	484.7	490.5	504.0
Reactive power reduction/saving	(4)	kVAr	68.1	70.4	80.1
Maximum Start Amps		A	713.1	718.9	732.4
Recommended Mains Fuse Size		A	560	560	630
Electronic Soft-start					
Nominal Run Amps		A	523.8	531.1	551.1
Maximum Start Amps		A	637.4	644.7	664.7
Recommended Mains Fuse		A	560	560	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	484.7	490.5	504.0
Maximum Start Amps		A	598.3	604.1	617.6
Recommended Mains Fuse Size		A	560	560	630
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	534.9	542.1	562.2
Recommended Mains Fuse Size		A	560	560	630
Motor Rating		kW	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	544.9	552.2	572.2
Recommended Mains Fuse Size		A	630	630	630
Motor Rating		kW	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	10.2	10.2	10.2
Unit Nominal Run Amps		A	531.9	539.1	559.1
Recommended Mains Fuse Size		A	560	560	630
Motor Rating		kW	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)					
Pump Full Load Amps		A	19.8	19.8	19.8
Unit Nominal Run Amps		A	539.6	546.8	566.7
Recommended Mains Fuse Size		A	630	630	630
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Electrical Data - Extra Quiet

ELECTRICAL DATA Unit Data			179 DCC085TX-21GVVV	180 DCC088TX-21GVVW	181 DCC091TX-21GVWW	182 DCC094TX-21GWWW
Nominal Run Amps	(1)	A	578.6	590.8	602.9	615.2
Maximum Start Amps		A	787.0	826.1	838.2	850.5
Recommended Mains Fuse Size		A	630	630	630	670
Evaporator						
Immersion Heater Rating		W	250	250	250	250
Condenser Fan - Per Fan (AC)						
Quantity			21	21	21	21
Full Load Amps		A	2.5	2.5	2.5	2.5
Locked Rotor Amps		A	8.8	8.8	8.8	8.8
Motor Rating		kW	1.3	1.3	1.3	1.27
Condenser Fan - Per Fan (EC)						
Quantity			21	21	21	21
Full Load Amps		A	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.56
Compressor - Per Compressor						
Nominal Run Amps		A	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2
Sump Heater Rating		W	140	140	140	140
Start Amps	(2)	A	267 / 267 / 267	267 / 267 / 298	267 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS						
Power Factor Correction (PF 0.98)	(3)					
Nominal Run Amps		A	523.2	537.3	551.5	565.6
Reactive power reduction/saving	(4)	kVAr	92.0	89.7	87.5	85.2
Maximum Start Amps		A	731.6	772.6	786.8	800.9
Recommended Mains Fuse Size		A	630	630	630	670
Electronic Soft-start						
Nominal Run Amps		A	578.6	590.8	602.9	615.17
Maximum Start Amps		A	680.2	706.9	719.0	731.27
Recommended Mains Fuse		A	630	630	630	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)					
Nominal Run Amps		A	523.2	537.3	551.5	565.61
Maximum Start Amps		A	624.8	653.4	667.6	681.71
Recommended Mains Fuse Size		A	630	630	630	670
Standard Head Pump (Single or Run/Standby)						
Pump Full Load Amps		A	11.2	11.2	15.2	15.2
Unit Nominal Run Amps		A	589.8	601.9	618.0	630.22
Recommended Mains Fuse Size		A	630	630	670	670
Motor Rating		kW	6.2	6.2	8.4	8.38
Larger Head Pump (Single or Run/Standby)						
Pump Full Load Amps		A	21.2	21.2	21.2	21.2
Unit Nominal Run Amps		A	599.8	611.9	624.1	636.3
Recommended Mains Fuse Size		A	630	630	670	670
Motor Rating		kW	12.1	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)						
Pump Full Load Amps		A	10.2	10.2	13.9	13.9
Unit Nominal Run Amps		A	586.5	598.7	613.8	626.1
Recommended Mains Fuse Size		A	630	630	670	670
Motor Rating		kW	6.4	6.4	8.6	8.6
Larger Head Inverter Pump (Single or Run/Standby)						
Pump Full Load Amps		A	19.8	19.8	19.8	19.8
Unit Nominal Run Amps		A	594.0	606.3	618.5	630.8
Recommended Mains Fuse Size		A	630	630	670	670
Motor Rating		kW	12.4	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, AC Standard Fans.
(2) Starting amps refers to the direct on line connections.
(3) For unit RLA values at alternative power factor values contact Airedale.
(4) Projected reactive power reduction based on a 0.95PF billing threshold

DCC Sound Data AC Fans Regular Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
98	DCC047DR-08EPV0	Power	95.0	94.6	93.4	88.6	85.2	79.1	79.4	78.8	91.2
		Pressure	62.4	61.9	60.7	55.9	52.6	46.5	46.7	46.1	58.6
99	DCC049DR-08EYY0	Power	97.0	93.6	91.0	87.5	85.4	80.7	81.2	69.4	90.7
		Pressure	64.3	61.0	58.3	54.9	52.7	48.1	48.5	36.7	58.1
100	DCC049DR-10EPV0	Power	95.3	94.9	93.6	88.8	85.6	79.6	79.5	78.8	91.5
		Pressure	62.4	62.0	60.7	55.9	52.7	46.7	46.6	45.9	58.6
101	DCC051DR-10EYY0	Power	97.1	94.0	91.4	87.8	85.7	81.1	81.2	69.5	91.0
		Pressure	64.3	61.1	58.5	55.0	52.9	48.2	48.4	36.6	58.1
102	DCC052DR-09DYV0	Power	96.9	93.7	92.5	87.7	85.2	80.3	80.4	78.9	91.0
		Pressure	64.1	60.8	59.7	54.8	52.3	47.5	47.5	46.1	58.1
103	DCC056DR-10DVV0	Power	96.9	93.8	93.7	87.9	85.1	79.9	79.5	81.7	91.3
		Pressure	64.0	61.0	60.8	55.0	52.2	47.0	46.6	48.8	58.4
104	DCC058DR-10DVW0	Power	95.6	95.7	94.3	89.7	86.3	80.0	80.3	78.8	92.2
		Pressure	62.7	62.8	61.4	56.9	53.4	47.1	47.5	46.0	59.3
105	DCC061DR-10DWW0	Power	93.6	97.0	94.8	91.0	87.2	80.1	81.0	67.5	93.0
		Pressure	60.7	64.2	62.0	58.2	54.4	47.3	48.2	34.6	60.1
106	DCC065TR-10GPPY	Power	96.0	96.5	94.2	90.5	87.1	81.0	81.7	69.0	92.7
		Pressure	63.1	63.6	61.3	57.6	54.2	48.1	48.9	36.1	59.9
107	DCC050DR-12EPV0	Power	95.6	95.2	93.8	89.0	86.0	80.0	79.6	78.8	91.7
		Pressure	62.5	62.1	60.8	56.0	52.9	46.9	46.5	45.7	58.6
108	DCC052DR-12EYY0	Power	97.3	94.3	91.8	88.1	86.1	81.4	81.3	69.6	91.3
		Pressure	64.2	61.3	58.7	55.0	53.0	48.3	48.2	36.5	58.2
109	DCC054DR-11DYV0	Power	97.1	94.1	92.8	88.0	85.6	80.7	80.5	78.9	91.3
		Pressure	64.0	61.0	59.7	54.9	52.5	47.6	47.4	45.8	58.2
110	DCC058DR-12DVV0	Power	97.1	94.2	93.9	88.2	85.5	80.3	79.6	81.7	91.6
		Pressure	64.0	61.1	60.8	55.1	52.4	47.2	46.5	48.6	58.5
111	DCC060DR-12DVW0	Power	95.8	96.0	94.5	89.9	86.6	80.4	80.4	78.9	92.4
		Pressure	62.7	62.9	61.4	56.8	53.5	47.3	47.3	45.8	59.3
112	DCC063DR-12DWW0	Power	94.0	97.2	95.0	91.2	87.5	80.5	81.1	67.6	93.1
		Pressure	60.9	64.1	61.9	58.1	54.4	47.4	48.0	34.5	60.0
113	DCC069TR-11GPYY	Power	97.6	95.9	93.5	89.9	87.1	81.8	82.4	70.2	92.6
		Pressure	64.5	62.9	60.4	56.8	54.0	48.7	49.3	37.1	59.5
114	DCC074TR-12GYYY	Power	98.7	95.4	92.7	89.3	87.1	82.5	82.9	71.1	92.5
		Pressure	65.6	62.3	59.6	56.2	54.0	49.4	49.8	38.0	59.4
115	DCC056DR-13DYV0	Power	97.3	94.5	93.1	88.3	86.0	81.0	80.6	79.0	91.6
		Pressure	64.0	61.2	59.8	55.0	52.7	47.7	47.2	45.6	58.3
116	DCC059DR-14DVV0	Power	97.3	94.6	94.1	88.4	85.8	80.7	79.7	81.7	91.8
		Pressure	64.0	61.3	60.8	55.1	52.5	47.3	46.4	48.4	58.5
117	DCC061DR-14DVW0	Power	96.1	96.2	94.7	90.1	86.9	80.7	80.5	78.9	92.6
		Pressure	62.8	62.9	61.4	56.8	53.6	47.4	47.2	45.6	59.3
118	DCC065DR-14DWW0	Power	94.4	97.4	95.2	91.3	87.7	80.8	81.2	67.8	93.3
		Pressure	61.1	64.1	61.9	58.0	54.4	47.5	47.8	34.5	60.0
119	DCC068TR-13GPPY	Power	96.3	96.8	94.5	90.7	87.5	81.4	81.8	69.2	93.0
		Pressure	63.0	63.5	61.2	57.4	54.2	48.1	48.5	35.9	59.7
120	DCC072TR-14GPYY	Power	97.8	96.3	93.9	90.2	87.5	82.2	82.4	70.3	92.9
		Pressure	64.5	63.0	60.6	56.9	54.2	48.9	49.1	37.0	59.6

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 12/7°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCC Sound Data AC Fans Regular Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
121	DCC077TR-13GYYV	Power	98.7	95.4	93.8	89.4	87.0	82.2	82.4	79.2	92.7
		Pressure	65.4	62.1	60.5	56.1	53.7	48.9	49.1	45.9	59.4
122	DCC080TR-14GYVV	Power	98.7	95.5	94.7	89.5	86.9	82.0	81.9	81.8	92.9
		Pressure	65.4	62.2	61.4	56.2	53.6	48.7	48.6	48.5	59.6
123	DCC070TR-16GPPY	Power	96.6	97.1	94.8	90.9	87.8	81.8	81.9	69.4	93.3
		Pressure	63.1	63.6	61.3	57.4	54.3	48.3	48.4	35.9	59.8
124	DCC077TR-15GYYY	Power	98.9	95.8	93.2	89.6	87.5	82.8	83.0	71.2	92.8
		Pressure	65.4	62.2	59.7	56.1	54.0	49.3	49.5	37.7	59.3
125	DCC080TR-16GYYV	Power	98.9	95.8	94.2	89.7	87.4	82.6	82.5	79.2	93.0
		Pressure	65.4	62.3	60.7	56.2	53.9	49.1	49.0	45.7	59.5
126	DCC083TR-15GVVV	Power	98.7	95.6	95.4	89.6	86.8	81.7	81.3	83.5	93.1
		Pressure	65.1	62.1	61.9	56.1	53.3	48.2	47.8	49.9	59.5
127	DCC086TR-15GVVW	Power	97.8	96.9	95.9	91.0	87.7	81.7	81.8	81.8	93.7
		Pressure	64.3	63.4	62.4	57.4	54.2	48.2	48.3	48.3	60.2
128	DCC088TR-15GVWW	Power	96.8	98.0	96.3	92.0	88.4	81.8	82.4	79.0	94.2
		Pressure	63.3	64.5	62.7	58.5	54.9	48.3	48.8	45.5	60.7
129	DCC091TR-15GWWW	Power	95.4	98.8	96.6	92.8	89.0	81.9	82.8	69.2	94.7
		Pressure	61.9	65.3	63.1	59.3	55.5	48.4	49.3	35.7	61.2
130	DCC074TR-17GPYY	Power	98.0	96.6	94.2	90.4	87.8	82.5	82.5	70.5	93.2
		Pressure	64.3	62.9	60.5	56.7	54.1	48.8	48.8	36.8	59.5
131	DCC079TR-18GYYY	Power	99.1	96.1	93.6	89.9	87.9	83.1	83.0	71.3	93.1
		Pressure	65.4	62.4	59.9	56.2	54.2	49.4	49.3	37.6	59.4
132	DCC082TR-17GYVV	Power	98.9	95.9	95.0	89.8	87.3	82.3	82.0	81.8	93.2
		Pressure	65.2	62.2	61.3	56.1	53.6	48.6	48.3	48.1	59.5
133	DCC085TR-18GVVV	Power	98.8	96.0	95.7	89.9	87.2	82.1	81.4	83.5	93.3
		Pressure	65.1	62.3	62.0	56.2	53.5	48.4	47.7	49.8	59.6
134	DCC088TR-18GVVW	Power	98.0	97.2	96.1	91.2	88.0	82.1	81.9	81.8	93.9
		Pressure	64.3	63.5	62.4	57.5	54.3	48.4	48.2	48.1	60.2
135	DCC091TR-18GVWW	Power	97.1	98.2	96.5	92.1	88.7	82.2	82.4	79.0	94.4
		Pressure	63.4	64.5	62.8	58.4	55.0	48.5	48.7	45.3	60.7
136	DCC094TR-18GWWW	Power	95.8	99.0	96.8	92.9	89.2	82.3	82.9	69.4	94.9
		Pressure	62.1	65.3	63.1	59.2	55.5	48.6	49.2	35.7	61.2
137	DCC082TR-19GYYV	Power	99.1	96.2	94.5	90.0	87.8	82.9	82.6	79.2	93.3
		Pressure	65.2	62.3	60.6	56.1	53.9	49.0	48.7	45.3	59.4
138	DCC084TR-20GYVV	Power	99.1	96.3	95.3	90.1	87.7	82.7	82.0	81.8	93.4
		Pressure	65.2	62.4	61.4	56.2	53.8	48.8	48.2	48.0	59.5
139	DCC087TR-21GVVV	Power	99.0	96.3	95.9	90.2	87.6	82.4	81.4	83.5	93.6
		Pressure	65.0	62.3	61.8	56.1	53.5	48.4	47.4	49.4	59.5
140	DCC090TR-21GVVW	Power	98.3	97.5	96.3	91.4	88.3	82.5	82.0	81.8	94.1
		Pressure	64.2	63.4	62.2	57.3	54.3	48.4	47.9	47.7	60.1
141	DCC093TR-21GVWW	Power	97.3	98.4	96.6	92.3	88.9	82.5	82.5	79.0	94.6
		Pressure	63.3	64.3	62.6	58.2	54.9	48.5	48.4	45.0	60.6

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3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCC Sound Data AC Fans Extra Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
142	DCC096TR-21GWWW	Power	96.1	99.1	97.0	93.1	89.5	82.6	82.9	69.6	95.1
		Pressure	62.1	65.1	62.9	59.0	55.4	48.5	48.9	35.5	61.0
143	DCC048DX-10EPV0	Power	93.8	93.0	93.2	81.8	80.8	72.3	71.1	78.7	87.9
		Pressure	60.9	60.1	60.3	48.9	48.0	39.4	38.3	45.9	55.0
144	DCC049DX-10EYY0	Power	96.0	91.8	90.1	81.0	80.6	73.5	73.1	68.2	86.2
		Pressure	63.1	58.9	57.2	48.2	47.8	40.6	40.3	35.3	53.3
145	DCC049DX-12EPV0	Power	93.8	93.1	93.3	82.0	81.0	72.8	71.3	78.7	88.0
		Pressure	60.7	60.0	60.2	48.9	47.9	39.7	38.2	45.6	54.9
146	DCC051DX-12EYY0	Power	96.0	91.9	90.3	81.3	80.8	73.9	73.2	68.2	86.4
		Pressure	62.9	58.8	57.2	48.2	47.7	40.8	40.1	35.1	53.3
147	DCC053DX-11DYV0	Power	95.9	91.6	92.1	81.2	80.5	73.3	72.4	78.8	87.3
		Pressure	62.9	58.5	59.0	48.1	47.4	40.2	39.3	45.7	54.2
148	DCC056DX-12DVV0	Power	95.9	91.4	93.4	81.3	80.3	73.0	71.5	81.7	88.2
		Pressure	62.8	58.3	60.3	48.2	47.2	39.9	38.4	48.6	55.1
149	DCC058DX-12DVW0	Power	94.2	94.2	94.1	82.8	81.9	73.1	72.0	78.8	88.8
		Pressure	61.1	61.1	61.0	49.7	48.8	40.0	38.9	45.7	55.7
150	DCC061DX-12DWW0	Power	91.3	95.9	94.7	83.9	83.1	73.2	72.5	66.1	89.3
		Pressure	58.2	62.8	61.6	50.8	50.0	40.1	39.4	33.0	56.2
151	DCC050DX-14EPV0	Power	93.9	93.2	93.4	82.2	81.2	73.2	71.4	78.7	88.1
		Pressure	60.6	59.9	60.1	48.9	47.9	39.9	38.1	45.4	54.8
152	DCC052DX-14EYY0	Power	96.1	92.1	90.5	81.6	81.0	74.2	73.3	68.3	86.6
		Pressure	62.8	58.8	57.1	48.3	47.7	40.9	40.0	35.0	53.3
153	DCC054DX-13DYV0	Power	96.0	91.8	92.2	81.5	80.7	73.7	72.5	78.8	87.4
		Pressure	62.7	58.5	58.9	48.2	47.4	40.4	39.2	45.5	54.1
154	DCC057DX-14DVV0	Power	95.9	91.6	93.5	81.6	80.5	73.5	71.6	81.7	88.3
		Pressure	62.6	58.3	60.2	48.3	47.2	40.1	38.3	48.4	55.0
155	DCC060DX-14DVW0	Power	94.2	94.3	94.2	83.0	82.0	73.5	72.2	78.8	88.9
		Pressure	60.9	61.0	60.9	49.7	48.7	40.2	38.8	45.5	55.6
156	DCC063DX-14DWW0	Power	91.4	96.0	94.8	84.1	83.2	73.6	72.6	66.2	89.4
		Pressure	58.1	62.7	61.5	50.8	49.9	40.3	39.3	32.8	56.1
157	DCC066TX-13GPPY	Power	94.6	95.3	94.0	83.6	82.9	74.0	73.5	67.8	88.9
		Pressure	61.3	62.0	60.7	50.3	49.5	40.7	40.2	34.5	55.6
158	DCC070TX-14GPYY	Power	96.5	94.5	93.0	83.2	82.6	74.7	74.2	69.0	88.5
		Pressure	63.2	61.2	59.7	49.9	49.3	41.4	40.9	35.7	55.1
159	DCC055DX-15DYV0	Power	96.0	91.9	92.3	81.7	80.8	74.1	72.6	78.8	87.6
		Pressure	62.5	58.4	58.8	48.2	47.3	40.5	39.1	45.3	54.1
160	DCC059DX-16DVV0	Power	96.0	91.7	93.6	81.8	80.7	73.8	71.7	81.7	88.4
		Pressure	62.4	58.2	60.1	48.3	47.2	40.3	38.2	48.2	54.9
161	DCC061DX-16DVW0	Power	94.3	94.4	94.3	83.2	82.2	73.9	72.3	78.8	89.0
		Pressure	60.8	60.9	60.8	49.7	48.7	40.4	38.8	45.3	55.5
162	DCC065DX-16DWW0	Power	91.5	96.0	94.9	84.2	83.3	74.0	72.7	66.2	89.5
		Pressure	58.0	62.5	61.4	50.7	49.8	40.5	39.2	32.7	56.0
163	DCC068TX-16GPPY	Power	94.7	95.4	94.1	83.8	83.0	74.5	73.6	67.8	89.1
		Pressure	61.2	61.8	60.6	50.3	49.5	41.0	40.1	34.3	55.6

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DCC Sound Data AC Fans Extra Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
164	DCC075TX-15GYYY	Power	97.8	93.5	91.9	82.8	82.4	75.3	74.9	70.0	87.9
		Pressure	64.3	60.0	58.4	49.3	48.9	41.8	41.4	36.5	54.4
165	DCC077TX-16GYYV	Power	97.7	93.4	93.3	82.9	82.3	75.1	74.4	79.0	88.7
		Pressure	64.2	59.9	59.8	49.4	48.8	41.6	40.9	45.5	55.2
166	DCC072TX-17GPYY	Power	96.5	94.6	93.2	83.5	82.8	75.1	74.3	69.1	88.6
		Pressure	62.8	60.9	59.5	49.8	49.1	41.4	40.6	35.4	54.9
167	DCC077TX-18GYYY	Power	97.8	93.7	92.0	83.1	82.6	75.7	75.0	70.0	88.1
		Pressure	64.1	60.0	58.3	49.4	48.9	42.0	41.3	36.3	54.4
168	DCC080TX-17GYVV	Power	97.7	93.3	94.3	83.0	82.2	75.0	73.9	81.8	89.4
		Pressure	64.0	59.6	60.6	49.3	48.5	41.3	40.2	48.1	55.7
169	DCC083TX-18GVVV	Power	97.7	93.2	95.2	83.1	82.1	74.8	73.2	83.4	89.9
		Pressure	64.0	59.5	61.5	49.4	48.4	41.1	39.5	49.7	56.2
170	DCC086TX-18GVVW	Power	96.6	95.2	95.7	84.1	83.2	74.8	73.6	81.7	90.3
		Pressure	62.9	61.5	62.0	50.4	49.5	41.1	39.9	48.0	56.6
171	DCC088TX-18GVWW	Power	95.2	96.6	96.1	85.0	84.1	74.9	74.0	78.9	90.7
		Pressure	61.5	62.9	62.4	51.3	50.4	41.2	40.3	45.2	57.0
172	DCC091TX-18GWWW	Power	93.1	97.7	96.5	85.7	84.8	74.9	74.3	67.9	91.1
		Pressure	59.4	64.0	62.8	52.0	51.1	41.2	40.6	34.2	57.4
173	DCC070TX-19GPPY	Power	94.7	95.5	94.2	84.1	83.2	75.0	73.7	67.9	89.2
		Pressure	60.9	61.6	60.3	50.2	49.3	41.1	39.8	34.0	55.3
174	DCC074TX-20GPYY	Power	96.5	94.7	93.3	83.7	83.0	75.5	74.5	69.1	88.8
		Pressure	62.7	60.8	59.4	49.8	49.1	41.6	40.6	35.2	54.9
175	DCC079TX-21GYYY	Power	97.8	93.8	92.2	83.4	82.8	76.0	75.1	70.0	88.3
		Pressure	63.8	59.8	58.2	49.3	48.7	41.9	41.0	36.0	54.3
176	DCC080TX-19GYYV	Power	97.8	93.6	93.4	83.2	82.5	75.5	74.5	79.0	88.9
		Pressure	63.9	59.7	59.5	49.3	48.6	41.6	40.6	45.1	55.0
177	DCC081TX-22GYYV	Power	97.8	93.7	93.5	83.5	82.7	75.9	74.6	79.0	89.0
		Pressure	63.7	59.7	59.5	49.4	48.6	41.8	40.5	45.0	55.0
178	DCC082TX-20GYVV	Power	97.7	93.5	94.4	83.3	82.4	75.4	74.0	81.8	89.5
		Pressure	63.8	59.6	60.5	49.4	48.5	41.5	40.1	47.9	55.6
179	DCC085TX-21GVVV	Power	97.7	93.4	95.3	83.3	82.3	75.2	73.4	83.4	90.1
		Pressure	63.6	59.3	61.2	49.3	48.2	41.2	39.3	49.4	56.0
180	DCC088TX-21GVVW	Power	96.6	95.3	95.7	84.3	83.4	75.3	73.7	81.7	90.5
		Pressure	62.6	61.3	61.7	50.3	49.3	41.2	39.7	47.7	56.4
181	DCC091TX-21GVWW	Power	95.2	96.7	96.2	85.2	84.2	75.3	74.1	78.9	90.8
		Pressure	61.2	62.6	62.1	51.1	50.2	41.2	40.0	44.8	56.8
182	DCC094TX-21GWWW	Power	93.2	97.7	96.6	85.8	84.9	75.3	74.4	67.9	91.2
		Pressure	59.1	63.7	62.5	51.8	50.9	41.3	40.3	33.9	57.1

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DCC Sound Data EC Fans Regular Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
98	DCC047DR-08EPV0	Power	96.9	95.4	93.8	89.3	87.2	82.2	79.9	78.9	92.4
		Pressure	64.2	62.8	61.2	56.7	54.6	49.6	47.3	46.3	59.8
99	DCC049DR-08EYY0	Power	98.2	94.6	91.7	88.4	87.3	83.1	81.5	70.3	92.1
		Pressure	65.6	62.0	59.1	55.8	54.7	50.5	48.9	37.7	59.4
100	DCC049DR-10EPV0	Power	96.1	95.0	93.7	89.1	86.9	81.1	79.8	78.9	92.1
		Pressure	63.2	62.1	60.8	56.2	54.0	48.2	46.9	46.0	59.2
101	DCC051DR-10EYY0	Power	97.9	94.5	91.7	88.4	87.3	82.6	81.5	70.3	92.0
		Pressure	65.1	61.6	58.9	55.5	54.4	49.7	48.6	37.4	59.1
102	DCC052DR-09DYV0	Power	98.3	94.8	93.2	88.7	87.4	83.1	80.9	79.1	92.4
		Pressure	65.5	62.0	60.3	55.8	54.6	50.2	48.0	46.2	59.6
103	DCC056DR-10DVV0	Power	98.4	95.0	94.2	88.9	87.5	83.1	80.2	81.8	92.8
		Pressure	65.6	62.2	61.3	56.0	54.7	50.2	47.3	48.9	59.9
104	DCC058DR-10DVW0	Power	97.6	96.5	94.8	90.4	88.3	83.2	80.9	79.0	93.4
		Pressure	64.7	63.7	61.9	57.5	55.4	50.3	48.0	46.1	60.6
105	DCC061DR-10DWW0	Power	96.4	97.6	95.3	91.5	88.9	83.2	81.5	69.1	94.0
		Pressure	63.6	64.8	62.4	58.7	56.0	50.3	48.6	36.2	61.1
106	DCC065TR-10GPPY	Power	97.8	97.2	94.7	91.1	88.8	83.7	82.2	70.2	93.8
		Pressure	64.9	64.3	61.8	58.2	55.9	50.8	49.3	37.4	61.0
107	DCC050DR-12EPV0	Power	94.8	94.2	93.2	88.5	85.6	79.0	79.4	78.8	91.2
		Pressure	61.7	61.1	60.1	55.4	52.5	45.9	46.3	45.7	58.1
108	DCC052DR-12EYY0	Power	97.0	93.4	90.9	87.6	86.1	81.0	81.2	69.7	91.0
		Pressure	63.9	60.3	57.8	54.5	53.0	47.9	48.1	36.6	57.9
109	DCC054DR-11DYV0	Power	97.7	94.3	92.9	88.4	87.0	82.1	80.7	79.0	92.0
		Pressure	64.6	61.2	59.8	55.3	53.9	49.0	47.6	45.9	58.9
110	DCC058DR-12DVV0	Power	97.4	94.1	93.8	88.3	86.6	81.2	79.8	81.7	92.0
		Pressure	64.3	61.0	60.7	55.2	53.6	48.1	46.7	48.6	58.9
111	DCC060DR-12DVW0	Power	96.8	96.2	94.6	90.2	87.9	82.1	80.7	79.0	93.1
		Pressure	63.7	63.1	61.5	57.1	54.8	49.0	47.6	45.9	60.0
112	DCC063DR-12DWW0	Power	96.2	97.6	95.3	91.6	89.0	83.0	81.5	69.2	94.0
		Pressure	63.1	64.6	62.2	58.5	55.9	49.9	48.4	36.1	60.9
113	DCC069TR-11GPYY	Power	99.0	96.8	94.1	90.7	89.0	84.3	82.8	71.2	93.8
		Pressure	65.9	63.7	61.0	57.6	55.9	51.2	49.7	38.1	60.7
114	DCC074TR-12GYYY	Power	100.0	96.4	93.5	90.2	89.1	84.9	83.3	72.1	93.8
		Pressure	66.9	63.3	60.4	57.1	56.0	51.8	50.2	39.0	60.7
115	DCC056DR-13DYV0	Power	96.9	93.4	92.4	87.7	85.8	80.5	80.5	79.0	91.2
		Pressure	63.6	60.1	59.1	54.4	52.5	47.2	47.2	45.7	57.9
116	DCC059DR-14DVV0	Power	96.7	93.3	93.4	87.7	85.5	79.8	79.5	81.7	91.3
		Pressure	63.4	60.0	60.1	54.4	52.2	46.5	46.2	48.4	58.0
117	DCC061DR-14DVW0	Power	95.6	95.5	94.2	89.7	86.9	80.3	80.4	78.9	92.4
		Pressure	62.3	62.2	60.9	56.4	53.6	47.0	47.1	45.6	59.1
118	DCC065DR-14DWW0	Power	94.1	97.0	94.9	91.1	88.1	80.9	81.2	68.3	93.3
		Pressure	60.8	63.7	61.6	57.8	54.7	47.6	47.9	35.0	60.0

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DCC Sound Data EC Fans Regular Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
119	DCC068TR-13GPPY	Power	97.8	97.3	94.8	91.2	89.1	83.6	82.2	70.4	94.0
		Pressure	64.5	64.0	61.5	57.9	55.8	50.3	48.9	37.1	60.7
120	DCC072TR-14GPYY	Power	98.8	96.8	94.2	90.7	89.1	84.0	82.8	71.3	93.8
		Pressure	65.5	63.5	60.9	57.4	55.7	50.7	49.4	38.0	60.5
121	DCC077TR-13GYYV	Power	100.1	96.5	94.5	90.4	89.2	84.9	82.9	79.3	94.1
		Pressure	66.8	63.2	61.2	57.1	55.9	51.6	49.6	46.0	60.8
122	DCC080TR-14GYVV	Power	100.1	96.7	95.3	90.5	89.2	84.9	82.4	81.9	94.3
		Pressure	66.8	63.4	62.0	57.2	55.9	51.6	49.1	48.6	61.0
123	DCC070TR-16GPPY	Power	96.1	96.4	94.2	90.5	87.8	81.3	81.8	69.5	93.0
		Pressure	62.6	62.9	60.7	57.0	54.3	47.8	48.3	36.0	59.5
124	DCC077TR-15GYYY	Power	99.8	96.4	93.6	90.2	89.2	84.6	83.3	72.1	93.8
		Pressure	66.3	62.8	60.1	56.7	55.7	51.1	49.8	38.6	60.3
125	DCC080TR-16GYYV	Power	99.6	96.2	94.4	90.2	88.9	84.1	82.8	79.3	93.8
		Pressure	66.1	62.7	60.8	56.6	55.4	50.6	49.3	45.8	60.3
126	DCC083TR-15GVVV	Power	100.2	96.8	96.0	90.7	89.3	84.9	81.9	83.5	94.5
		Pressure	66.7	63.3	62.5	57.1	55.8	51.4	48.4	50.0	61.0
127	DCC086TR-15GVVW	Power	99.6	97.8	96.4	91.7	89.8	84.9	82.4	81.9	95.0
		Pressure	66.1	64.3	62.8	58.2	56.3	51.4	48.9	48.4	61.5
128	DCC088TR-15GVWW	Power	99.0	98.7	96.7	92.6	90.2	84.9	82.9	79.2	95.4
		Pressure	65.5	65.2	63.2	59.1	56.7	51.4	49.4	45.7	61.9
129	DCC091TR-15GWWW	Power	98.2	99.4	97.0	93.3	90.7	85.0	83.3	70.9	95.8
		Pressure	64.7	65.9	63.5	59.8	57.1	51.5	49.8	37.4	62.3
130	DCC074TR-17GPYY	Power	97.6	95.8	93.5	90.0	87.8	82.1	82.4	70.6	92.9
		Pressure	63.9	62.1	59.8	56.3	54.1	48.4	48.7	36.9	59.2
131	DCC079TR-18GYYY	Power	98.8	95.3	92.8	89.5	88.0	82.9	83.0	71.5	92.8
		Pressure	65.1	61.6	59.1	55.8	54.3	49.2	49.3	37.8	59.1
132	DCC082TR-17GYVV	Power	99.3	96.0	95.0	90.1	88.6	83.5	82.2	81.9	93.7
		Pressure	65.6	62.3	61.3	56.4	54.9	49.8	48.5	48.2	60.0
133	DCC085TR-18GVVV	Power	99.1	95.8	95.6	90.0	88.3	82.8	81.5	83.5	93.7
		Pressure	65.4	62.1	61.9	56.3	54.6	49.1	47.8	49.8	60.0
134	DCC088TR-18GVVW	Power	98.7	97.3	96.1	91.4	89.3	83.6	82.2	81.9	94.5
		Pressure	65.0	63.6	62.4	57.7	55.6	49.9	48.5	48.2	60.8
135	DCC091TR-18GVWW	Power	98.3	98.5	96.6	92.5	90.0	84.1	82.8	79.2	95.2
		Pressure	64.6	64.8	62.9	58.8	56.3	50.4	49.1	45.5	61.5
136	DCC094TR-18GWWW	Power	97.8	99.4	97.1	93.3	90.7	84.6	83.2	70.9	95.8
		Pressure	64.1	65.7	63.4	59.6	57.0	50.9	49.5	37.2	62.1
137	DCC082TR-19GYYV	Power	98.7	95.2	93.7	89.4	87.7	82.5	82.5	79.2	92.9
		Pressure	64.8	61.3	59.9	55.6	53.9	48.6	48.6	45.3	59.0
138	DCC084TR-20GYVV	Power	98.6	95.1	94.5	89.4	87.5	82.0	81.9	81.8	92.9
		Pressure	64.7	61.2	60.6	55.5	53.6	48.1	48.0	48.0	59.1
139	DCC087TR-21GVVV	Power	98.4	95.0	95.2	89.4	87.2	81.5	81.3	83.5	93.0
		Pressure	64.4	60.9	61.1	55.3	53.1	47.4	47.2	49.4	58.9
140	DCC090TR-21GVVW	Power	97.7	96.7	95.7	90.9	88.2	81.9	81.9	81.8	93.8
		Pressure	63.7	62.6	61.7	56.8	54.2	47.8	47.8	47.7	59.7
141	DCC093TR-21GVWW	Power	96.9	97.8	96.2	92.0	89.1	82.2	82.4	79.1	94.5
		Pressure	62.8	63.8	62.2	57.9	55.0	48.2	48.4	45.0	60.4

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 12/7°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCC Sound Data EC Fans Extra Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
142	DCC096TR-21GWWW	Power	95.8	98.8	96.6	92.9	89.8	82.5	82.9	70.0	95.0
		Pressure	61.7	64.7	62.6	58.8	55.7	48.5	48.9	36.0	61.0
143	DCC048DX-10EPV0	Power	93.9	92.9	93.0	81.7	81.2	71.6	70.9	78.7	87.8
		Pressure	61.0	60.0	60.2	48.9	48.3	38.7	38.1	45.9	55.0
144	DCC049DX-10EYY0	Power	96.0	91.6	89.7	81.0	81.0	73.0	73.0	68.3	86.1
		Pressure	63.2	58.7	56.9	48.1	48.1	40.1	40.1	35.4	53.2
145	DCC049DX-12EPV0	Power	93.9	93.0	93.1	82.0	81.4	72.1	71.0	78.7	88.0
		Pressure	60.8	59.9	60.0	48.9	48.3	39.0	37.9	45.6	54.9
146	DCC051DX-12EYY0	Power	96.1	91.7	89.9	81.3	81.2	73.3	73.1	68.3	86.3
		Pressure	63.0	58.6	56.8	48.2	48.1	40.2	40.0	35.2	53.2
147	DCC053DX-11DYV0	Power	96.0	91.4	91.8	81.1	80.9	72.7	72.2	78.8	87.2
		Pressure	62.9	58.3	58.7	48.1	47.8	39.6	39.1	45.8	54.1
148	DCC056DX-12DVV0	Power	95.9	91.2	93.2	81.3	80.8	72.3	71.2	81.7	88.1
		Pressure	62.8	58.1	60.1	48.2	47.7	39.2	38.1	48.6	55.0
149	DCC058DX-12DVW0	Power	94.3	94.1	94.0	82.8	82.2	72.4	71.8	78.8	88.7
		Pressure	61.2	61.0	60.9	49.7	49.1	39.3	38.7	45.7	55.6
150	DCC061DX-12DWW0	Power	91.5	95.8	94.6	83.9	83.3	72.5	72.4	66.2	89.3
		Pressure	58.4	62.7	61.5	50.8	50.2	39.4	39.3	33.1	56.2
151	DCC050DX-14EPV0	Power	94.0	93.0	93.2	82.2	81.6	72.5	71.2	78.7	88.1
		Pressure	60.7	59.7	59.8	48.9	48.3	39.2	37.8	45.4	54.8
152	DCC052DX-14EYY0	Power	96.1	91.8	90.0	81.6	81.4	73.7	73.1	68.3	86.5
		Pressure	62.8	58.5	56.7	48.3	48.1	40.3	39.8	35.0	53.2
153	DCC054DX-13DYV0	Power	96.0	91.5	91.9	81.4	81.1	73.0	72.3	78.8	87.4
		Pressure	62.7	58.2	58.6	48.1	47.8	39.7	39.0	45.5	54.1
154	DCC057DX-14DVV0	Power	96.0	91.3	93.3	81.6	81.0	72.7	71.3	81.7	88.2
		Pressure	62.7	58.0	60.0	48.2	47.7	39.4	38.0	48.4	54.9
155	DCC060DX-14DVW0	Power	94.3	94.2	94.0	83.0	82.4	72.8	71.9	78.8	88.8
		Pressure	61.0	60.9	60.7	49.7	49.1	39.5	38.6	45.5	55.5
156	DCC063DX-14DWW0	Power	91.6	95.9	94.6	84.1	83.4	72.9	72.4	66.3	89.4
		Pressure	58.3	62.6	61.3	50.8	50.1	39.6	39.1	33.0	56.1
157	DCC066TX-13GPPY	Power	94.7	95.2	93.8	83.6	83.1	73.4	73.3	67.9	88.9
		Pressure	61.4	61.9	60.5	50.3	49.8	40.1	40.0	34.6	55.6
158	DCC070TX-14GPYY	Power	96.5	94.3	92.8	83.2	82.9	74.1	74.1	69.1	88.4
		Pressure	63.2	61.0	59.5	49.9	49.6	40.8	40.8	35.8	55.1
159	DCC055DX-15DYV0	Power	96.1	91.6	92.0	81.7	81.3	73.4	72.4	78.9	87.5
		Pressure	62.6	58.1	58.5	48.2	47.8	39.9	38.9	45.3	54.0
160	DCC059DX-16DVV0	Power	96.0	91.4	93.3	81.8	81.2	73.1	71.4	81.7	88.4
		Pressure	62.5	57.9	59.8	48.3	47.7	39.6	37.9	48.2	54.9
161	DCC061DX-16DVW0	Power	94.4	94.2	94.1	83.2	82.6	73.2	72.0	78.8	88.9
		Pressure	60.9	60.7	60.6	49.7	49.1	39.6	38.5	45.3	55.4

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 12/7°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

DCC Sound Data EC Fans Extra Quiet

	Model	Sound	63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB	Total dBA
162	DCC065DX-16DWW0	Power	91.7	95.9	94.7	84.2	83.6	73.2	72.5	66.3	89.5
		Pressure	58.2	62.4	61.2	50.7	50.1	39.7	39.0	32.8	56.0
163	DCC068TX-16GPPY	Power	94.8	95.2	93.9	83.8	83.3	73.8	73.4	68.0	89.0
		Pressure	61.3	61.7	60.4	50.3	49.8	40.3	39.9	34.4	55.5
164	DCC075TX-15GYYY	Power	97.8	93.4	91.5	82.8	82.7	74.8	74.8	70.0	87.9
		Pressure	64.3	59.8	58.0	49.3	49.2	41.3	41.3	36.5	54.4
165	DCC077TX-16GYYV	Power	97.8	93.2	93.0	82.9	82.7	74.6	74.3	79.0	88.7
		Pressure	64.3	59.7	59.5	49.4	49.2	41.0	40.7	45.5	55.1
166	DCC072TX-17GPYY	Power	96.6	94.4	92.9	83.5	83.2	74.5	74.2	69.1	88.6
		Pressure	62.9	60.7	59.2	49.8	49.5	40.8	40.5	35.4	54.9
167	DCC077TX-18GYYY	Power	97.8	93.5	91.6	83.1	83.0	75.1	74.8	70.1	88.1
		Pressure	64.1	59.8	57.9	49.4	49.3	41.4	41.1	36.4	54.4
168	DCC080TX-17GYVV	Power	97.7	93.1	94.1	83.0	82.6	74.3	73.7	81.8	89.3
		Pressure	64.0	59.4	60.4	49.3	48.9	40.6	40.0	48.1	55.6
169	DCC083TX-18GVVV	Power	97.7	93.0	95.0	83.0	82.5	74.1	73.0	83.4	89.9
		Pressure	64.0	59.3	61.3	49.3	48.8	40.4	39.3	49.7	56.2
170	DCC086TX-18GVVW	Power	96.7	95.1	95.5	84.1	83.5	74.2	73.4	81.7	90.3
		Pressure	63.0	61.4	61.8	50.4	49.8	40.5	39.7	48.0	56.6
171	DCC088TX-18GVWW	Power	95.3	96.5	95.9	85.0	84.4	74.2	73.8	78.9	90.7
		Pressure	61.6	62.8	62.2	51.3	50.7	40.5	40.1	45.2	57.0
172	DCC091TX-18GWWW	Power	93.2	97.6	96.4	85.7	85.1	74.3	74.1	68.0	91.0
		Pressure	59.5	63.9	62.7	52.0	51.4	40.6	40.4	34.3	57.3
173	DCC070TX-19GPPY	Power	94.8	95.3	93.9	84.0	83.5	74.3	73.5	68.0	89.2
		Pressure	61.0	61.4	60.1	50.2	49.7	40.4	39.6	34.1	55.3
174	DCC074TX-20GPYY	Power	96.6	94.5	93.0	83.7	83.4	74.9	74.3	69.2	88.7
		Pressure	62.7	60.6	59.1	49.8	49.5	41.0	40.4	35.3	54.8
175	DCC079TX-21GYYY	Power	97.9	93.6	91.8	83.3	83.2	75.4	74.9	70.1	88.3
		Pressure	63.8	59.5	57.7	49.3	49.1	41.4	40.8	36.0	54.2
176	DCC080TX-19GYYV	Power	97.8	93.3	93.1	83.2	82.9	74.9	74.3	79.0	88.8
		Pressure	63.9	59.5	59.2	49.3	49.0	41.0	40.4	45.2	54.9
177	DCC081TX-22GYYV	Power	97.8	93.5	93.2	83.4	83.1	75.2	74.4	79.0	89.0
		Pressure	63.8	59.4	59.1	49.4	49.1	41.2	40.3	45.0	54.9
178	DCC082TX-20GYVV	Power	97.8	93.2	94.2	83.2	82.8	74.7	73.8	81.8	89.4
		Pressure	63.9	59.3	60.3	49.4	49.0	40.8	39.9	47.9	55.6
179	DCC085TX-21GVVV	Power	97.7	93.1	95.0	83.3	82.8	74.5	73.1	83.4	90.0
		Pressure	63.7	59.0	61.0	49.3	48.7	40.4	39.0	49.4	55.9
180	DCC088TX-21GVVW	Power	96.7	95.2	95.5	84.3	83.7	74.5	73.5	81.7	90.4
		Pressure	62.6	61.1	61.5	50.3	49.7	40.5	39.4	47.7	56.4
181	DCC091TX-21GVWW	Power	95.3	96.6	96.0	85.1	84.5	74.6	73.9	78.9	90.8
		Pressure	61.3	62.5	61.9	51.1	50.5	40.5	39.8	44.8	56.7
182	DCC094TX-21GWWW	Power	93.3	97.6	96.4	85.8	85.2	74.6	74.2	68.0	91.1
		Pressure	59.3	63.6	62.3	51.8	51.1	40.6	40.1	34.0	57.1

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 12/7°C at 35°C ambient.
3 Based on standard unit, for units fitted with optional pump packages please contact Airedale.

Hydraulic Data

Evaporator Pressure Drop References

Use the following tables to determine the correct Evaporator Pressure Drop Curve for selected units.

DCF Evaporator Pressure Drop

	Units	Evap Num
1	DCF046DR-07DXY0	5
2	DCF048DR-07DPY0	8
3	DCF051DR-08DPV0	8
4	DCF053DR-08DYY0	7
5	DCF049DR-09DXY0	5
6	DCF051DR-09DPY0	8
7	DCF053DR-10DPV0	8
8	DCF055DR-09DYV0	7
9	DCF055DR-10DYY0	7
10	DCF058DR-10DVV0	7
11	DCF062DR-10FVW0	10
12	DCF065DR-10FWW0	10
13	DCF069TR-10GPPY	13
14	DCF051DR-11DXY0	5
15	DCF053DR-11DPY0	8
16	DCF055DR-12DPV0	8
17	DCF057DR-12DYY0	7
18	DCF058DR-11DYV0	7
19	DCF060DR-12DVV0	7
20	DCF065DR-12FVW0	10
21	DCF068DR-12FWW0	10
22	DCF074TR-11GPYY	15
23	DCF079TR-12GYYY	15
24	DCF059DR-13DYV0	7
25	DCF062DR-14DVV0	7
26	DCF066DR-14FVW0	10
27	DCF070DR-14FWW0	10
28	DCF073TR-13GPPY	13
29	DCF078TR-14GPYY	15
30	DCF082TR-13HYYV	16
31	DCF085TR-14HYVV	16
32	DCF075TR-16GPPY	13
33	DCF082TR-15GYYY	15
34	DCF085TR-16HYYV	16
35	DCF090TR-15HVVV	18
36	DCF092TR-15HVVW	18
37	DCF094TR-15HVWW	18
38	DCF096TR-15HWWW	17
39	DCF080TR-17GPYY	15
40	DCF085TR-18GYYY	15
41	DCF088TR-17HYVV	16
42	DCF093TR-18HVVV	18
43	DCF095TR-18HVVW	18
44	DCF098TR-18HVWW	18
45	DCF100TR-18HWWW	17
46	DCF088TR-19HYYV	16
47	DCF090TR-20HYVV	16
48	DCF095TR-21HVVV	18
49	DCF098TR-21HVVW	18

	Units	Evap Num
50	DCF101TR-21HVWW	18
51	DCF103TR-21HWWW	17
52	DCF047DX-09DXY0	5
53	DCF049DX-09DPY0	8
54	DCF051DX-10DPV0	8
55	DCF053DX-10DYY0	7
56	DCF049DX-11DXY0	5
57	DCF051DX-11DPY0	8
58	DCF053DX-12DPV0	8
59	DCF055DX-11DYV0	7
60	DCF055DX-12DYY0	7
61	DCF058DX-12DVV0	7
62	DCF062DX-12FVW0	10
63	DCF065DX-12FWW0	10
64	DCF050DX-13DXY0	5
65	DCF053DX-13DPY0	8
66	DCF055DX-14DPV0	8
67	DCF057DX-13DYV0	7
68	DCF057DX-14DYY0	7
69	DCF060DX-14DVV0	7
70	DCF064DX-14FVW0	10
71	DCF068DX-14FWW0	10
72	DCF069TX-13GPPY	13
73	DCF075TX-14GPYY	15
74	DCF059DX-15DYV0	7
75	DCF061DX-16DVV0	7
76	DCF066DX-16FVW0	10
77	DCF069DX-16FWW0	10
78	DCF073TX-16GPPY	13
79	DCF079TX-15GYYY	15
80	DCF082TX-16HYYV	16
81	DCF078TX-17GPYY	15
82	DCF082TX-18GYYY	15
83	DCF085TX-17HYVV	16
84	DCF089TX-18HVVV	18
85	DCF092TX-18HVVW	18
86	DCF094TX-18HVWW	18
87	DCF096TX-18HWWW	17
88	DCF074TX-19GPPY	13
89	DCF079TX-20GPYY	15
90	DCF085TX-19HYYV	16
91	DCF088TX-20HYVV	16
92	DCF084TX-21GYYY	15
93	DCF087TX-22HYYV	16
94	DCF092TX-21HVVV	18
95	DCF095TX-21HVVW	18
96	DCF097TX-21HVWW	18
97	DCF099TX-21HWWW	17

Hydraulic Data

Evaporator Pressure Drop References

Use the following tables to determine the correct Evaporator Pressure Drop Curve for selected units.

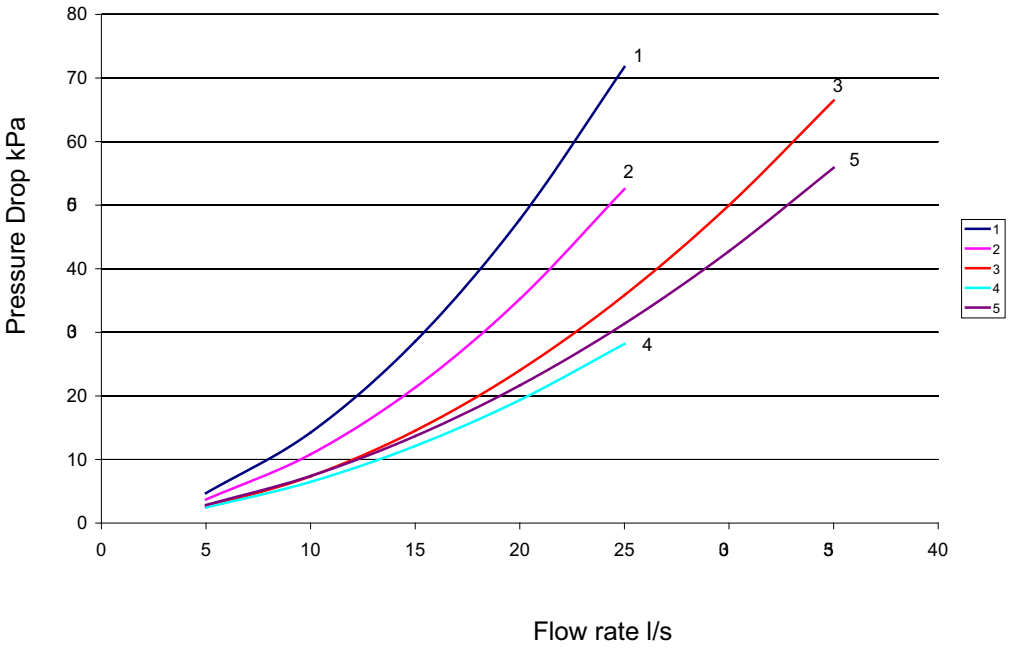
DCC Evaporator Pressure Drop

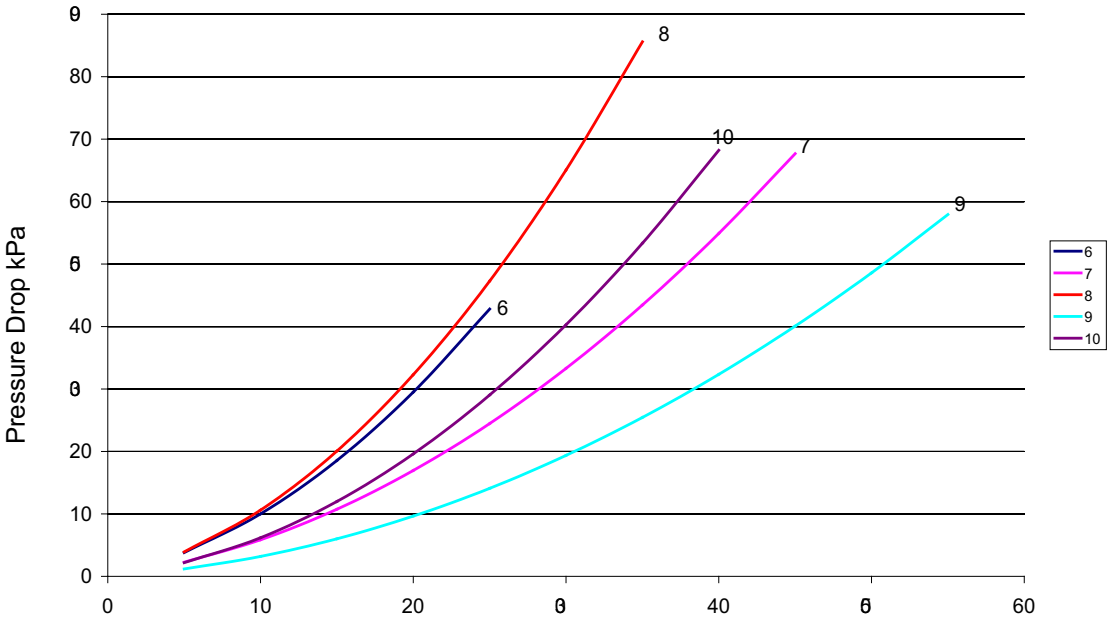
	Units	Evap Num
98	DCC047DR-08EPV0	2
99	DCC049DR-08EYY0	2
100	DCC049DR-10EPV0	2
101	DCC051DR-10EYY0	2
102	DCC052DR-09DYV0	4
103	DCC056DR-10DVV0	6
104	DCC058DR-10DVW0	5
105	DCC061DR-10DWW0	8
106	DCC065TR-10GPPY	12
107	DCC050DR-12EPV0	2
108	DCC052DR-12EYY0	2
109	DCC054DR-11DYV0	4
110	DCC058DR-12DVV0	6
111	DCC060DR-12DVW0	5
112	DCC063DR-12DWW0	8
113	DCC069TR-11GPYY	11
114	DCC074TR-12GYYY	13
115	DCC056DR-13DYV0	4
116	DCC059DR-14DVV0	6
117	DCC061DR-14DVW0	5
118	DCC065DR-14DWW0	8
119	DCC068TR-13GPPY	12
120	DCC072TR-14GPYY	11
121	DCC077TR-13GYYV	13
122	DCC080TR-14GYVV	13
123	DCC070TR-16GPPY	12
124	DCC077TR-15GYYY	13
125	DCC080TR-16GYYV	13
126	DCC083TR-15GVVV	13
127	DCC086TR-15GVVW	14
128	DCC088TR-15GVWW	14
129	DCC091TR-15GWWW	14
130	DCC074TR-17GPYY	11
131	DCC079TR-18GYYY	13
132	DCC082TR-17GYVV	13
133	DCC085TR-18GVVV	13
134	DCC088TR-18GVVW	14
135	DCC091TR-18GVWW	14
136	DCC094TR-18GWWW	14
137	DCC082TR-19GYYV	13
138	DCC084TR-20GYVV	13
139	DCC087TR-21GVVV	13
140	DCC090TR-21GVVW	14
141	DCC093TR-21GVWW	14
142	DCC096TR-21GWWW	14
143	DCC048DX-10EPV0	2
144	DCC049DX-10EYY0	2

	Units	Evap Num
145	DCC049DX-12EPV0	2
146	DCC051DX-12EYY0	2
147	DCC053DX-11DYV0	4
148	DCC056DX-12DVV0	6
149	DCC058DX-12DVW0	5
150	DCC061DX-12DWW0	8
151	DCC050DX-14EPV0	2
152	DCC052DX-14EYY0	2
153	DCC054DX-13DYV0	4
154	DCC057DX-14DVV0	6
155	DCC060DX-14DVW0	5
156	DCC063DX-14DWW0	8
157	DCC066TX-13GPPY	12
158	DCC070TX-14GPYY	11
159	DCC055DX-15DYV0	4
160	DCC059DX-16DVV0	6
161	DCC061DX-16DVW0	5
162	DCC065DX-16DWW0	8
163	DCC068TX-16GPPY	12
164	DCC075TX-15GYYY	13
165	DCC077TX-16GYYV	13
166	DCC072TX-17GPYY	11
167	DCC077TX-18GYYY	13
168	DCC080TX-17GYVV	13
169	DCC083TX-18GVVV	13
170	DCC086TX-18GVVW	14
171	DCC088TX-18GVWW	14
172	DCC091TX-18GWWW	14
173	DCC070TX-19GPPY	12
174	DCC074TX-20GPYY	11
175	DCC079TX-21GYYY	13
176	DCC080TX-19GYYV	13
177	DCC081TX-22GYYV	13
178	DCC082TX-20GYVV	13
179	DCC085TX-21GVVV	13
180	DCC088TX-21GVVW	14
181	DCC091TX-21GVWW	14
182	DCC094TX-21GWWW	14

Hydraulic Data

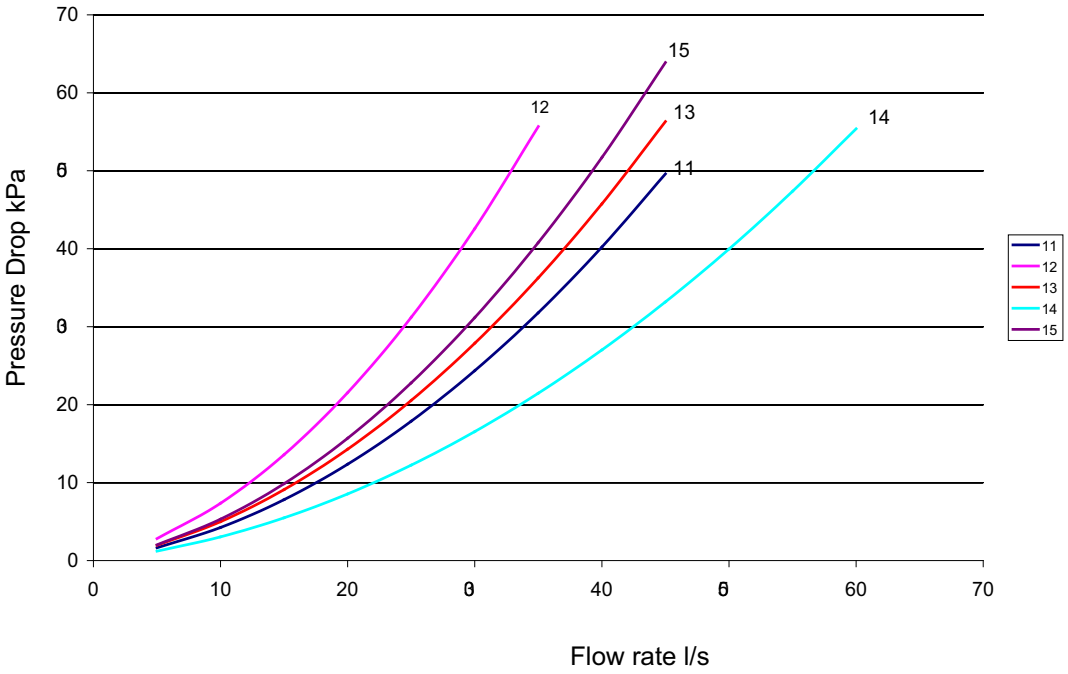
Evaporator Pressure Drop Curves (Water)

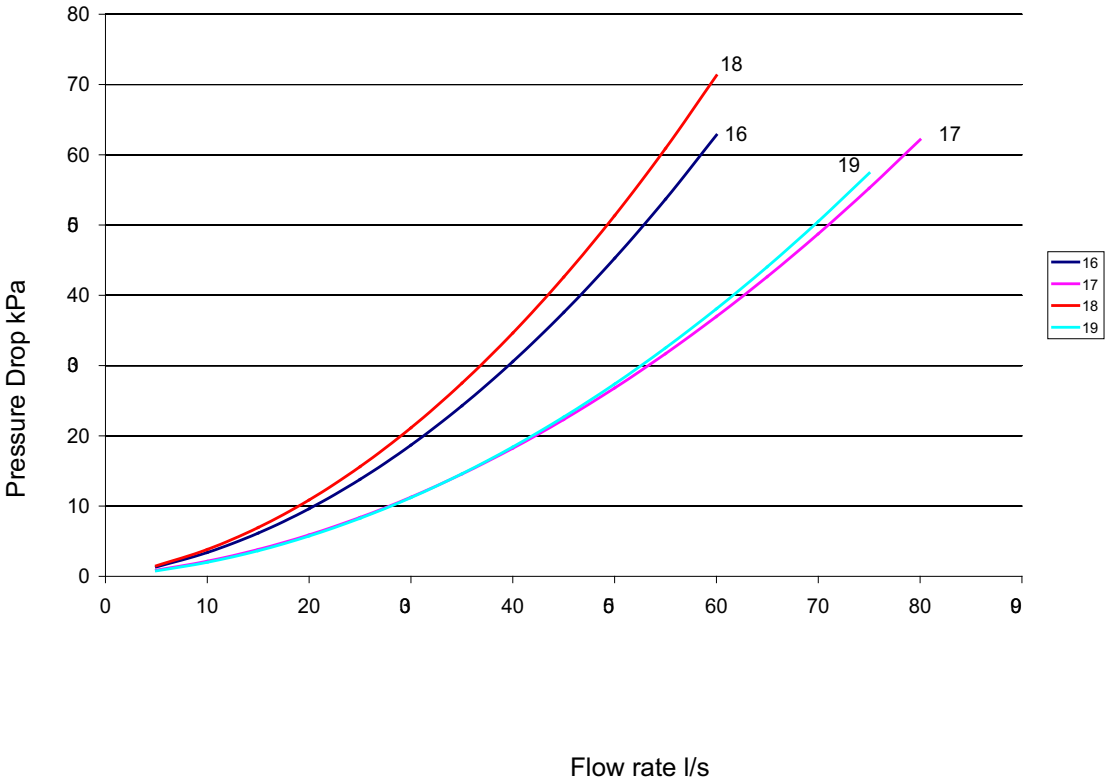




Hydraulic Data

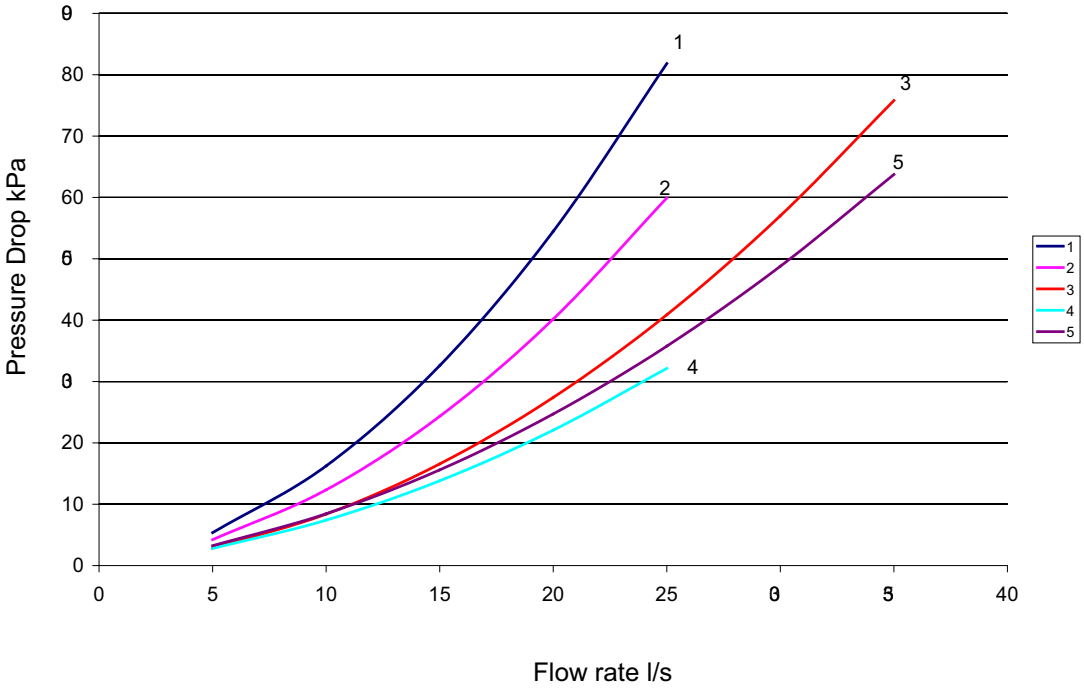
Evaporator Pressure Drop (Water)

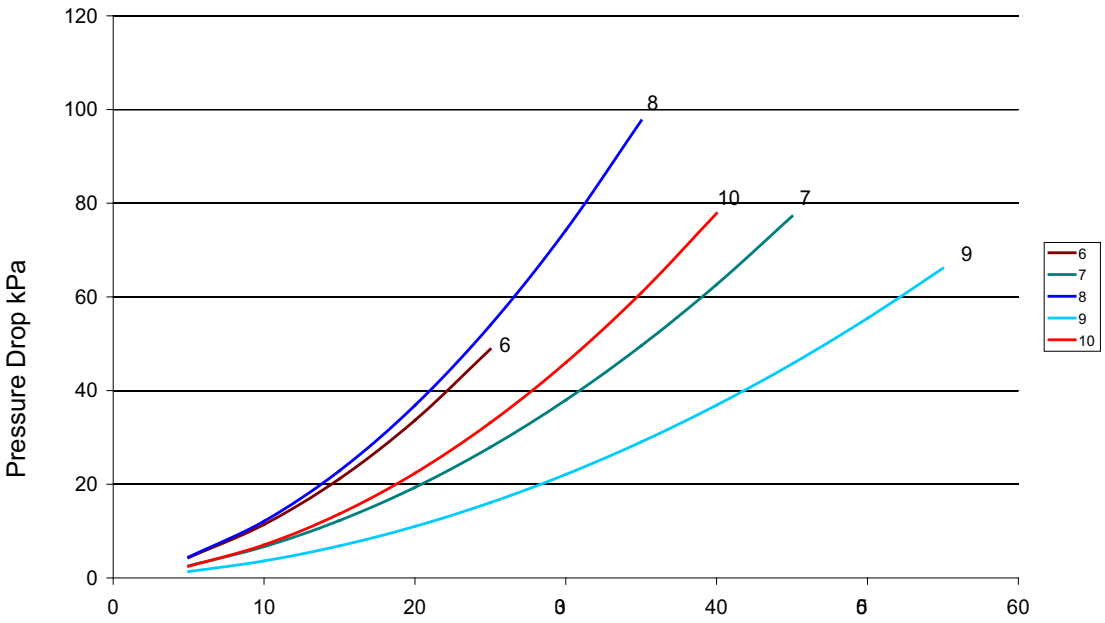




Hydraulic Data

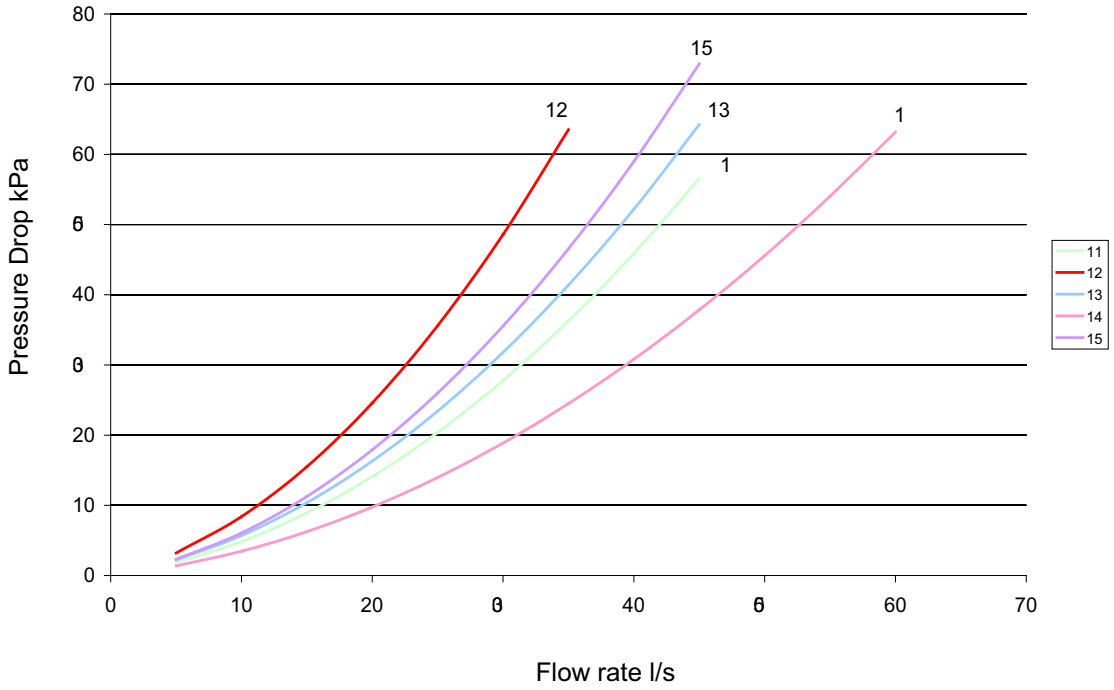
Evaporator Pressure Drop Curves (20% Ethylene Glycol)

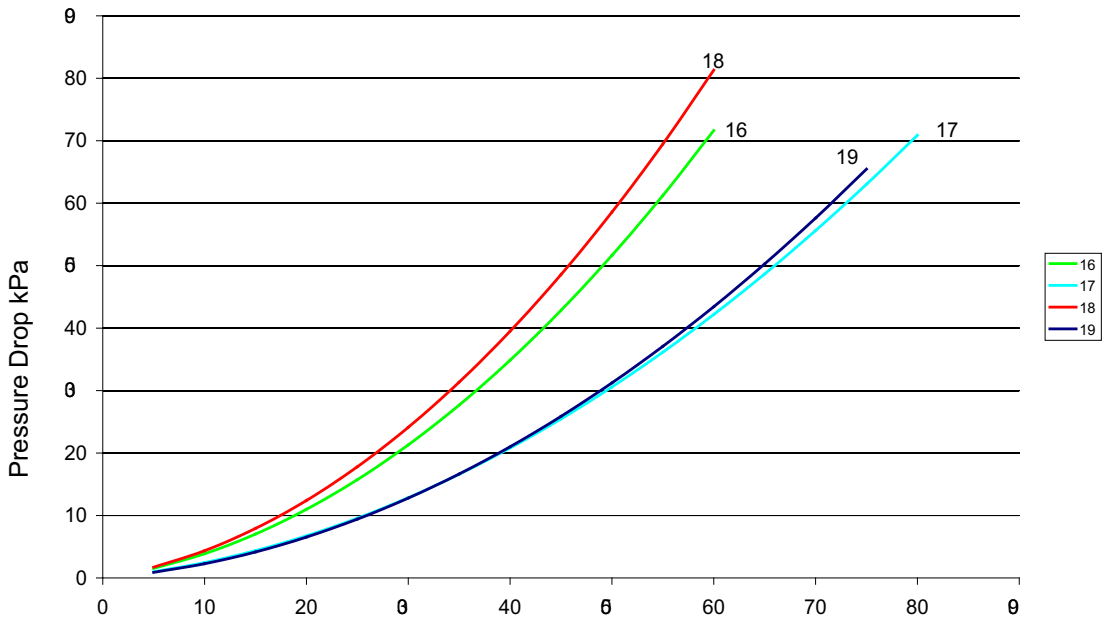




Hydraulic Data

Evaporator Pressure Drop Curves (20% Ethylene Glycol)





Hydraulic Data

DCF Unit Pressure Drop

Unit pressure drop of the chiller with 20% Ethylene Glycol.

	Unit	Waterflow(l/s)																									
		Pressure Drop (kPa)																									
		4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
1	DCF046DR-07DXY0	8.4	15.4	23.8	33.5	44.6	57.1	70.9	86.0	102.5	120.3	139.4	159.9	181.8	204.9	229.4	255.3	282.4	311.0	340.8	372.0	404.5	438.4	473.5	510.1
2	DCF048DR-07DPY0	9.3	17.0	26.3	37.2	49.6	63.5	79.0	96.0	114.6	134.7	156.3	179.4	204.1	230.3	258.1	287.3	318.1	350.4	384.3	419.7	456.6	495.0	535.0	576.5
3	DCF051DR-08DPV0	8.5	15.6	24.1	34.1	45.4	58.1	72.2	87.7	104.6	122.9	142.5	163.6	186.0	209.8	235.0	261.6	289.6	318.9	349.7	381.8	415.3	450.1	486.4	524.1
4	DCF053DR-08DYY0	7.1	13.1	20.3	28.6	38.1	48.6	60.3	73.1	87.1	102.1	118.3	135.6	154.0	173.6	194.2	216.0	238.9	262.9	288.0	314.3	341.6	370.1	399.7	430.4
5	DCF049DR-09DXY0	7.0	13.0	20.1	28.3	37.6	48.0	59.5	72.2	85.9	100.7	116.7	133.7	151.8	171.0	191.4	212.8	235.3	258.9	283.7	309.5	336.4	364.4	393.5	423.7
6	DCF051DR-09DPY0	7.9	14.6	22.6	31.9	42.6	54.5	67.7	82.2	98.0	115.1	133.5	153.2	174.2	196.4	220.0	244.9	271.0	298.4	327.2	357.2	388.5	421.1	455.0	490.1
7	DCF053DR-10DPV0	7.5	13.8	21.4	30.2	40.3	51.6	64.1	77.8	92.8	108.9	126.3	144.9	164.8	185.8	208.1	231.6	256.3	282.3	309.4	337.8	367.4	398.2	430.2	463.5
8	DCF055DR-09DYV0	6.5	12.1	18.8	26.5	35.2	45.0	55.8	67.6	80.4	94.3	109.2	125.2	142.1	160.1	179.1	199.2	220.3	242.4	265.5	289.6	314.8	341.0	368.2	396.4
9	DCF055DR-10DYY0	6.1	11.3	17.6	24.8	33.0	42.1	52.2	63.2	75.2	88.2	102.1	117.0	132.8	149.6	167.3	186.0	205.7	226.3	247.8	270.3	293.8	318.2	343.6	369.9
10	DCF058DR-10DVV0	5.5	9.7	14.6	20.4	26.9	34.2	42.3	51.1	60.8	71.2	82.4	94.3	107.1	120.6	134.9	150.0	165.8	182.5	199.9	218.0	237.0	256.7	277.2	298.5
11	DCF062DR-10FVW0	5.4	9.6	14.7	20.7	27.6	35.3	43.9	53.4	63.7	74.9	87.0	100.0	113.8	128.5	144.1	160.5	177.8	195.9	214.9	234.8	255.6	277.2	299.7	323.0
12	DCF065DR-10FWW0	5.4	9.6	14.7	20.7	27.5	35.3	43.9	53.4	63.7	74.9	87.0	99.9	113.8	128.5	144.0	160.4	177.7	195.9	214.9	234.8	255.5	277.1	299.6	322.9
13	DCF069TR-10GPPY	5.2	9.2	13.9	19.3	25.5	32.4	40.1	48.5	57.6	67.4	78.0	89.4	101.4	114.2	127.7	142.0	157.0	172.7	189.2	206.3	224.2	242.9	262.2	282.3
14	DCF051DR-11DXY0	6.2	11.6	17.9	25.3	33.6	42.9	53.2	64.5	76.7	89.9	104.1	119.3	135.5	152.6	170.7	189.8	209.8	230.9	252.9	275.8	299.8	324.7	350.6	377.5
15	DCF053DR-11DPY0	7.1	13.2	20.5	28.9	38.6	49.4	61.4	74.5	88.8	104.3	121.0	138.8	157.8	178.0	199.4	221.9	245.5	270.4	296.4	323.6	351.9	381.4	412.1	443.9
16	DCF055DR-12DPV0	6.8	12.7	19.7	27.9	37.2	47.6	59.2	71.9	85.7	100.6	116.7	133.9	152.3	171.7	192.3	214.1	236.9	260.9	286.0	312.2	339.6	368.1	397.7	428.4
17	DCF057DR-12DYY0	4.9	8.6	13.0	18.0	23.8	30.2	37.4	45.2	53.7	62.9	72.8	83.4	94.6	106.6	119.2	132.5	146.5	161.2	176.5	192.5	209.3	226.7	244.7	263.5
18	DCF058DR-11DYV0	5.2	9.1	13.7	19.1	25.2	32.0	39.6	47.8	56.9	66.6	77.1	88.2	100.2	112.8	126.2	140.2	155.1	170.6	186.8	203.8	221.5	239.9	259.1	278.9
19	DCF060DR-12DVV0	4.9	8.6	12.9	18.0	23.8	30.2	37.4	45.2	53.7	62.9	72.8	83.3	94.6	106.5	119.1	132.4	146.4	161.1	176.4	192.5	209.2	226.6	244.7	263.4
20	DCF065DR-12FVW0	4.7	8.5	13.0	18.4	24.5	31.3	39.0	47.5	56.7	66.7	77.4	89.0	101.3	114.4	128.3	142.9	158.4	174.6	191.5	209.3	227.8	247.1	267.1	288.0
21	DCF068DR-12FWW0	5.0	8.6	13.0	18.0	23.9	30.5	37.8	45.9	54.7	64.3	74.6	85.7	97.5	110.1	123.4	137.4	152.2	167.8	184.1	201.1	218.8	237.3	256.6	276.6
22	DCF074TR-11GPYY	5.2	8.8	13.1	18.1	23.7	30.1	37.2	44.9	53.3	62.5	72.3	82.8	94.0	105.8	118.4	131.6	145.5	160.1	175.4	191.4	208.1	225.4	243.4	262.2
23	DCF079TR-12GYYY	4.9	8.3	12.3	17.0	22.3	28.3	35.0	42.3	50.2	58.8	68.0	77.9	88.4	99.6	111.4	123.8	136.9	150.7	165.1	180.1	195.8	212.1	229.0	246.6
24	DCF059DR-13DYV0	4.7	8.2	12.4	17.3	22.8	29.0	35.8	43.4	51.5	60.4	69.9	80.0	90.8	102.3	114.4	127.2	140.7	154.8	169.5	184.9	201.0	217.7	235.1	253.1
25	DCF062DR-14DVV0	4.5	7.8	11.9	16.5	21.9	27.8	34.4	41.6	49.5	57.9	67.1	76.8	87.2	98.2	109.9	122.2	135.1	148.6	162.8	177.6	193.1	209.2	225.9	243.2
26	DCF066DR-14FVW0	4.3	7.8	12.0	16.9	22.6	28.9	36.0	43.9	52.4	61.7	71.8	82.5	94.0	106.1	119.1	132.7	147.0	162.1	177.9	194.5	211.7	229.7	248.4	267.8
27	DCF070DR-14FWW0	4.6	7.9	11.9	16.5	21.9	28.0	34.7	42.2	50.3	59.2	68.7	78.9	89.9	101.5	113.8	126.7	140.4	154.8	169.8	185.6	202.0	219.1	236.9	255.5
28	DCF073TR-13GPPY	4.7	7.8	11.5	15.9	20.8	26.3	32.4	39.1	46.3	54.1	62.6	71.6	81.1	91.3	102.0	113.4	125.3	137.8	150.8	164.5	178.7	193.5	208.9	224.8
29	DCF078TR-14GPYY	4.5	7.6	11.2	15.5	20.4	25.9	31.9	38.6	45.8	53.7	62.1	71.1	80.8	91.0	101.8	113.2	125.2	137.7	150.9	164.7	179.0	194.0	209.5	225.6

DCF units are at 20% Ethylene Glycol

DCF Unit Pressure Drop

Unit pressure drop of the chiller with 20% Ethylene Glycol.

	Unit	Waterflow(l/s)																							
		Pressure Drop (kPa)	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
30	DCF082TR-13HYYV		4.1	6.9	10.2	14.0	18.3	23.2	28.6	34.5	40.9	47.8	55.2	63.2	71.6	80.6	90.1	100.1	110.6	121.6	133.1	145.2	157.7	170.8	184.4	198.4
31	DCF085TR-14HYVV		3.9	6.5	9.7	13.3	17.4	22.0	27.1	32.7	38.8	45.4	52.4	60.0	68.0	76.5	85.6	95.1	105.0	115.5	126.5	137.9	149.9	162.3	175.2	188.6
32	DCF075TR-16GPPY		4.2	7.0	10.3	14.1	18.5	23.4	28.9	34.8	41.3	48.3	55.9	63.9	72.5	81.6	91.2	101.4	112.1	123.3	135.0	147.2	160.0	173.2	187.0	201.3
33	DCF082TR-15GYYY		4.3	7.3	10.8	15.0	19.7	25.0	30.9	37.3	44.3	51.9	60.1	68.9	78.2	88.1	98.6	109.6	121.2	133.4	146.2	159.6	173.5	188.0	203.0	218.7
34	DCF085TR-16HYYV		3.6	6.0	8.9	12.3	16.1	20.3	25.1	30.2	35.9	42.0	48.5	55.5	62.9	70.8	79.2	88.0	97.3	107.0	117.2	127.8	138.8	150.4	162.3	174.8
35	DCF090TR-15HVVV		3.9	6.5	9.6	13.2	17.3	21.9	27.0	32.6	38.7	45.2	52.3	59.8	67.9	76.4	85.4	94.9	104.9	115.3	126.3	137.7	149.6	162.1	175.0	188.3
36	DCF092TR-15HVVW		4.1	6.5	9.3	12.5	16.1	20.1	24.5	29.4	34.6	40.2	46.3	52.8	59.6	66.9	74.6	82.7	91.1	100.0	109.3	119.0	129.1	139.6	150.6	161.9
37	DCF094TR-15HVWW		4.1	6.5	9.3	12.5	16.1	20.1	24.5	29.3	34.6	40.2	46.3	52.7	59.6	66.9	74.6	82.6	91.1	100.0	109.3	119.0	129.1	139.6	150.5	161.8
38	DCF096TR-15HWWW		3.6	5.6	7.9	10.6	13.6	16.9	20.6	24.6	28.9	33.6	38.6	43.9	49.6	55.6	61.9	68.6	75.6	82.9	90.6	98.6	106.9	115.5	124.5	133.8
39	DCF080TR-17GPYY		4.1	6.9	10.2	14.1	18.5	23.5	29.1	35.2	41.8	49.0	56.8	65.1	73.9	83.3	93.2	103.7	114.7	126.3	138.4	151.0	164.2	178.0	192.3	207.1
40	DCF085TR-18GYYY		4.0	6.7	9.9	13.7	18.0	22.9	28.3	34.3	40.8	47.8	55.3	63.4	72.1	81.2	90.9	101.2	111.9	123.2	135.1	147.4	160.3	173.8	187.8	202.3
41	DCF088TR-17HYVV		3.5	5.8	8.6	11.9	15.6	19.7	24.3	29.3	34.8	40.7	47.1	53.9	61.2	68.8	77.0	85.6	94.6	104.0	113.9	124.3	135.1	146.3	158.0	170.1
42	DCF093TR-18HVVV		3.8	5.9	8.4	11.2	14.5	18.1	22.0	26.4	31.1	36.2	41.6	47.4	53.6	60.2	67.1	74.3	82.0	90.0	98.4	107.1	116.2	125.7	135.5	145.7
43	DCF095TR-18HVVW		3.8	5.9	8.4	11.2	14.5	18.1	22.0	26.4	31.1	36.2	41.6	47.4	53.6	60.1	67.1	74.3	82.0	90.0	98.4	107.1	116.2	125.7	135.5	145.7
44	DCF098TR-18HVWW		3.8	5.9	8.4	11.2	14.5	18.1	22.0	26.4	31.1	36.2	41.6	47.4	53.6	60.1	67.0	74.3	82.0	90.0	98.3	107.1	116.2	125.6	135.5	145.7
45	DCF100TR-18HWWW		3.2	4.9	7.0	9.3	11.9	14.9	18.1	21.6	25.4	29.5	33.9	38.6	43.6	48.9	54.4	60.3	66.4	72.9	79.6	86.6	94.0	101.6	109.5	117.7
46	DCF088TR-19HYYV		3.3	5.5	8.2	11.2	14.7	18.7	23.0	27.8	33.0	38.7	44.7	51.2	58.1	65.5	73.2	81.4	90.0	99.1	108.5	118.4	128.7	139.4	150.6	162.1
47	DCF090TR-20HYVV		3.5	5.4	7.6	10.2	13.1	16.4	20.0	23.9	28.2	32.8	37.7	43.0	48.6	54.5	60.8	67.4	74.3	81.5	89.1	97.1	105.3	113.9	122.8	132.1
48	DCF096TR-21HVVV		3.5	5.5	7.8	10.5	13.5	16.8	20.6	24.6	29.0	33.8	38.9	44.4	50.2	56.3	62.8	69.7	76.8	84.4	92.3	100.5	109.1	118.0	127.2	136.9
49	DCF098TR-21HVVW		3.5	5.5	7.8	10.5	13.5	16.8	20.6	24.6	29.0	33.8	38.9	44.4	50.2	56.3	62.8	69.6	76.8	84.4	92.2	100.5	109.0	118.0	127.2	136.8
50	DCF101TR-21HVWW		3.5	5.5	7.8	10.5	13.5	16.8	20.5	24.6	29.0	33.8	38.9	44.3	50.1	56.3	62.8	69.6	76.8	84.4	92.2	100.5	109.0	117.9	127.2	136.8
51	DCF103TR-21HWWW		3.0	4.6	6.4	8.5	10.9	13.6	16.6	19.8	23.4	27.1	31.2	35.5	40.1	45.0	50.2	55.6	61.3	67.3	73.5	80.0	86.8	93.9	101.2	108.8

DCF units are at 20% Ethylene Glycol

DCF Unit Pressure Drop

Unit pressure drop of the chiller with 20% Ethylene Glycol.

	Unit	Waterflow(l/s)																								
		4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
		Pressure Drop (kPa)																							
52	DCF047DX-09DXY0	7.0	13.0	20.1	28.3	37.6	48.0	59.6	72.2	85.9	100.8	116.7	133.7	151.8	171.1	191.4	212.8	235.4	259.0	283.7	309.5	336.4	364.5	393.6	423.8
53	DCF049DX-09DPY0	7.9	14.6	22.6	32.0	42.6	54.5	67.7	82.2	98.0	115.1	133.5	153.2	174.2	196.5	220.1	244.9	271.1	298.5	327.2	357.2	388.5	421.1	455.0	490.2
54	DCF051DX-10DPV0	7.5	13.8	21.4	30.2	40.3	51.6	64.1	77.8	92.8	109.0	126.4	145.0	164.8	185.9	208.2	231.7	256.4	282.3	309.5	337.8	367.4	398.3	430.3	463.5
55	DCF053DX-10DYY0	6.1	11.4	17.6	24.8	33.0	42.1	52.2	63.2	75.3	88.2	102.1	117.0	132.8	149.6	167.4	186.1	205.7	226.3	247.9	270.4	293.8	318.2	343.6	369.9
56	DCF049DX-11DXY0	6.2	11.6	18.0	25.3	33.6	42.9	53.2	64.5	76.7	90.0	104.2	119.3	135.5	152.6	170.7	189.8	209.9	230.9	252.9	275.9	299.8	324.8	350.7	377.5
57	DCF051DX-11DPY0	7.1	13.2	20.5	29.0	38.6	49.4	61.4	74.5	88.9	104.4	121.0	138.9	157.9	178.0	199.4	221.9	245.6	270.4	296.4	323.6	351.9	381.5	412.1	444.0
58	DCF053DX-12DPV0	6.8	12.7	19.7	27.9	37.2	47.6	59.2	71.9	85.7	100.6	116.7	133.9	152.3	171.8	192.3	214.1	236.9	260.9	286.0	312.2	339.6	368.1	397.7	428.4
59	DCF055DX-11DYV0	5.7	10.7	16.7	23.5	31.2	39.9	49.5	59.9	71.3	83.6	96.8	110.9	125.9	141.7	158.5	176.2	194.8	214.4	234.8	256.1	278.3	301.4	325.4	350.3
60	DCF055DX-12DYY0	5.4	10.2	15.9	22.4	29.9	38.1	47.3	57.3	68.2	79.9	92.5	106.0	120.3	135.5	151.6	168.5	186.3	204.9	224.4	244.8	266.0	288.1	311.0	334.8
61	DCF058DX-12DVV0	4.9	8.6	12.9	18.0	23.8	30.2	37.4	45.2	53.7	62.9	72.8	83.4	94.6	106.5	119.2	132.5	146.5	161.1	176.5	192.5	209.2	226.6	244.7	263.5
62	DCF062DX-12FVW0	4.8	8.5	13.0	18.4	24.5	31.4	39.0	47.5	56.7	66.7	77.5	89.0	101.4	114.5	128.3	143.0	158.4	174.6	191.6	209.3	227.8	247.1	267.2	288.0
63	DCF065DX-12FWW0	4.7	8.5	13.0	18.4	24.5	31.3	39.0	47.5	56.7	66.7	77.4	89.0	101.3	114.4	128.3	142.9	158.4	174.6	191.5	209.3	227.8	247.1	267.1	288.0
64	DCF050DX-13DXY0	5.7	10.7	16.6	23.5	31.2	39.9	49.5	60.0	71.4	83.7	96.9	111.1	126.1	142.1	159.0	176.7	195.4	215.0	235.5	256.9	279.3	302.5	326.6	351.7
65	DCF053DX-13DPY0	6.6	12.3	19.2	27.1	36.2	46.4	57.7	70.0	83.5	98.1	113.8	130.6	148.5	167.5	187.6	208.8	231.1	254.5	279.1	304.7	331.4	359.2	388.1	418.1
66	DCF055DX-14DPV0	6.4	12.0	18.7	26.4	35.3	45.2	56.2	68.3	81.4	95.7	111.0	127.4	144.9	163.4	183.1	203.8	225.6	248.4	272.4	297.4	323.5	350.6	378.9	408.2
67	DCF057DX-13DYV0	4.7	8.2	12.4	17.3	22.8	29.0	35.9	43.4	51.5	60.4	69.9	80.0	90.8	102.3	114.4	127.2	140.7	154.8	169.5	184.9	201.0	217.7	235.1	253.2
68	DCF057DX-14DYY0	4.5	7.9	11.9	16.6	21.9	27.8	34.4	41.6	49.5	58.0	67.1	76.9	87.3	98.3	109.9	122.2	135.2	148.7	162.9	177.7	193.2	209.2	226.0	243.3
69	DCF060DX-14DVV0	4.5	7.8	11.9	16.5	21.9	27.8	34.4	41.6	49.5	58.0	67.1	76.8	87.2	98.3	109.9	122.2	135.1	148.7	162.9	177.7	193.1	209.2	225.9	243.2
70	DCF064DX-14FVW0	4.3	7.8	12.0	16.9	22.6	28.9	36.1	43.9	52.5	61.8	71.8	82.5	94.0	106.2	119.1	132.7	147.1	162.2	178.0	194.5	211.7	229.7	248.4	267.8
71	DCF068DX-14FWW0	4.6	7.9	11.9	16.5	21.9	28.0	34.8	42.2	50.4	59.2	68.7	79.0	89.9	101.5	113.8	126.8	140.4	154.8	169.9	185.6	202.0	219.2	237.0	255.5
72	DCF069TX-13GPPY	4.7	7.8	11.6	15.9	20.8	26.3	32.4	39.1	46.3	54.2	62.6	71.6	81.2	91.3	102.1	113.4	125.3	137.8	150.9	164.5	178.7	193.5	208.9	224.9
73	DCF075TX-14GPYY	4.5	7.6	11.2	15.5	20.4	25.9	31.9	38.6	45.9	53.7	62.1	71.2	80.8	91.0	101.8	113.2	125.2	137.8	150.9	164.7	179.1	194.0	209.5	225.6
74	DCF059DX-15DYV0	4.3	7.6	11.6	16.1	21.3	27.1	33.6	40.6	48.3	56.6	65.6	75.1	85.3	96.1	107.5	119.5	132.2	145.5	159.4	173.9	189.0	204.8	221.2	238.2
75	DCF061DX-16DVV0	4.2	7.4	11.2	15.6	20.6	26.3	32.5	39.4	46.9	54.9	63.6	72.9	82.8	93.3	104.4	116.1	128.4	141.3	154.8	168.9	183.6	199.0	214.9	231.4
76	DCF066DX-16FVW0	4.0	7.3	11.3	16.0	21.3	27.4	34.2	41.7	49.9	58.7	68.3	78.6	89.5	101.2	113.5	126.6	140.3	154.8	169.9	185.7	202.3	219.5	237.4	256.0
77	DCF069DX-16FWW0	4.3	7.4	11.1	15.5	20.6	26.3	32.7	39.7	47.4	55.7	64.8	74.4	84.8	95.7	107.4	119.7	132.6	146.2	160.5	175.4	191.0	207.2	224.1	241.6
78	DCF073TX-16GPPY	4.2	7.0	10.3	14.2	18.5	23.5	28.9	34.9	41.3	48.4	55.9	64.0	72.5	81.6	91.3	101.4	112.1	123.3	135.0	147.2	160.0	173.3	187.1	201.4

DCF units are at 20% Ethylene Glycol

DCF Unit Pressure Drop

Unit waterside pressure drop based upon 100% water.

		Waterflow(l/s)																												
	Unit	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50					
		Pressure Drop (kPa)																												
79	DCF079TX-15GYYY	4.3	7.3	10.9	15.0	19.7	25.0	30.9	37.3	44.3	52.0	60.1	68.9	78.2	88.1	98.6	109.6	121.3	133.5	146.3	159.6	173.5	188.0	203.1	218.7					
80	DCF082TX-16HYYV	3.6	6.0	8.9	12.3	16.1	20.3	25.1	30.2	35.9	42.0	48.5	55.5	63.0	70.9	79.2	88.0	97.3	107.0	117.2	127.8	138.9	150.4	162.4	174.8					
81	DCF078TX-17GPYY	4.1	6.9	10.2	14.1	18.5	23.5	29.1	35.2	41.8	49.0	56.8	65.1	73.9	83.3	93.2	103.7	114.7	126.3	138.4	151.0	164.2	178.0	192.3	207.1					
82	DCF082TX-18GYYY	4.0	6.7	9.9	13.7	18.1	22.9	28.3	34.3	40.8	47.8	55.4	63.5	72.1	81.2	90.9	101.2	111.9	123.2	135.1	147.5	160.4	173.8	187.8	202.3					
83	DCF085TX-17HYVV	3.5	5.8	8.6	11.9	15.6	19.7	24.3	29.3	34.8	40.7	47.1	53.9	61.2	68.9	77.0	85.6	94.6	104.1	114.0	124.3	135.1	146.3	158.0	170.1					
84	DCF089TX-18HVVV	3.5	5.9	8.7	12.0	15.7	19.9	24.6	29.6	35.2	41.2	47.6	54.5	61.8	69.6	77.9	86.6	95.7	105.3	115.3	125.8	136.7	148.1	159.9	172.2					
85	DCF092TX-18HVVW	3.8	5.9	8.4	11.2	14.5	18.1	22.0	26.4	31.1	36.2	41.6	47.4	53.6	60.2	67.1	74.3	82.0	90.0	98.4	107.1	116.2	125.7	135.5	145.7					
86	DCF094TX-18HVWW	3.8	5.9	8.4	11.2	14.5	18.1	22.0	26.4	31.1	36.2	41.6	47.4	53.6	60.1	67.1	74.3	82.0	90.0	98.4	107.1	116.2	125.7	135.5	145.7					
87	DCF096TX-18HWWW	3.2	5.0	7.0	9.3	11.9	14.9	18.1	21.6	25.4	29.5	33.9	38.6	43.6	48.9	54.4	60.3	66.5	72.9	79.6	86.7	94.0	101.6	109.5	117.7					
88	DCF074TX-19GPPY	3.8	6.4	9.5	13.1	17.2	21.8	26.8	32.4	38.5	45.0	52.1	59.6	67.6	76.2	85.2	94.7	104.7	115.2	126.2	137.7	149.6	162.1	175.0	188.5					
89	DCF079TX-20GPYY	3.8	6.4	9.5	13.2	17.3	22.0	27.2	33.0	39.3	46.0	53.3	61.2	69.5	78.4	87.8	97.7	108.1	119.0	130.5	142.5	155.0	168.0	181.5	195.6					
90	DCF085TX-19HYYV	3.3	5.5	8.2	11.2	14.7	18.7	23.0	27.8	33.0	38.7	44.8	51.2	58.2	65.5	73.3	81.4	90.0	99.1	108.5	118.4	128.7	139.4	150.6	162.2					
91	DCF088TX-20HYVV	3.2	5.4	7.9	10.9	14.4	18.2	22.5	27.1	32.2	37.8	43.7	50.0	56.8	64.0	71.6	79.6	88.0	96.8	106.1	115.8	125.8	136.3	147.2	158.6					
92	DCF084TX-21GYYY	3.7	6.3	9.3	12.9	17.1	21.7	26.8	32.5	38.7	45.4	52.6	60.4	68.6	77.4	86.7	96.5	106.8	117.6	129.0	140.8	153.2	166.1	179.5	193.4					
93	DCF087TX-22HYYV	3.1	5.1	7.6	10.5	13.8	17.5	21.6	26.2	31.1	36.4	42.2	48.3	54.9	61.8	69.2	77.0	85.1	93.7	102.7	112.1	121.9	132.1	142.7	153.7					
94	DCF092TX-21HVVV	3.5	5.5	7.8	10.5	13.5	16.9	20.6	24.6	29.1	33.8	38.9	44.4	50.2	56.3	62.8	69.7	76.9	84.4	92.3	100.5	109.1	118.0	127.3	136.9					
95	DCF095TX-21HVVW	3.5	5.5	7.8	10.5	13.5	16.8	20.6	24.6	29.0	33.8	38.9	44.4	50.2	56.3	62.8	69.7	76.8	84.4	92.3	100.5	109.1	118.0	127.2	136.9					
96	DCF097TX-21HVWW	3.5	5.5	7.8	10.5	13.5	16.8	20.6	24.6	29.0	33.8	38.9	44.4	50.2	56.3	62.8	69.6	76.8	84.4	92.3	100.5	109.0	118.0	127.2	136.8					
97	DCF099TX-21HWWW	3.0	4.6	6.4	8.5	11.0	13.6	16.6	19.8	23.4	27.2	31.2	35.6	40.2	45.0	50.2	55.6	61.3	67.3	73.5	80.1	86.8	93.9	101.2	108.8					

DCC Units with 100% Water

		Waterflow(l/s)																							
	Unit	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
		Pressure Drop (kPa)																							
98	DCC047DR-08EPV0	2.7	4.9	7.7	11.0	14.8	19.2	24.2	29.7	35.7	42.4	49.5	57.2	65.5	74.3	83.7	93.6	104.1	115.2	126.7	138.9	151.6	164.8	178.6	192.9
99	DCC049DR-08EYY0	2.7	4.9	7.7	11.0	14.8	19.2	24.2	29.7	35.7	42.4	49.5	57.2	65.5	74.3	83.7	93.6	104.1	115.2	126.7	138.9	151.6	164.8	178.6	192.9
100	DCC049DR-10EPV0	2.7	4.9	7.7	11.0	14.9	19.3	24.3	29.9	36.0	42.7	49.9	57.7	66.0	74.9	84.4	94.4	104.9	116.1	127.7	140.0	152.8	166.1	180.0	194.5
101	DCC051DR-10EYY0	2.7	4.9	7.7	11.0	14.9	19.3	24.3	29.9	36.0	42.7	49.9	57.7	66.0	74.9	84.4	94.4	104.9	116.1	127.7	140.0	152.8	166.1	180.0	194.5
102	DCC052DR-09DYV0	1.9	3.2	4.8	6.7	8.8	11.3	13.9	16.9	20.1	23.6	27.3	31.4	35.6	40.2	45.0	50.1	55.5	61.1	67.0	73.1	79.6	86.3	93.2	100.5
103	DCC056DR-10DVV0	2.9	4.9	7.4	10.2	13.4	17.0	21.1	25.5	30.2	35.4	41.0	47.0	53.3	60.1	67.2	74.8	82.7	91.0	99.8	108.9	118.4	128.3	138.5	149.2
104	DCC058DR-10DVW0	2.2	3.7	5.5	7.6	10.0	12.7	15.6	18.9	22.4	26.2	30.3	34.7	39.4	44.4	49.6	55.2	61.0	67.1	73.5	80.2	87.2	94.4	102.0	109.8
105	DCC061DR-10DWW0	3.0	5.1	7.7	10.8	14.4	18.3	22.8	27.7	33.0	38.9	45.1	51.8	59.0	66.7	74.8	83.3	92.3	101.8	111.7	122.0	132.9	144.1	155.9	168.1
106	DCC065TR-10GPPY	2.2	3.7	5.5	7.6	9.9	12.6	15.5	18.8	22.3	26.1	30.2	34.5	39.2	44.2	49.4	54.9	60.7	66.8	73.2	79.9	86.8	94.1	101.6	109.4
107	DCC048DX-10EPV0	2.7	4.9	7.7	11.0	14.9	19.3	24.3	29.9	36.0	42.7	49.9	57.7	66.0	74.9	84.4	94.4	104.9	116.1	127.7	140.0	152.8	166.1	180.0	194.5
108	DCC049DX-10EYY0	2.7	4.9	7.7	11.0	14.9	19.3	24.3	29.9	36.0	42.7	49.9	57.7	66.0	74.9	84.4	94.4	104.9	116.1	127.7	140.0	152.8	166.1	180.0	194.5
109	DCC050DR-12EPV0	2.8	5.0	7.8	11.2	15.1	19.6	24.7	30.3	36.5	43.3	50.6	58.5	67.0	76.0	85.6	95.8	106.5	117.8	129.6	142.0	155.0	168.6	182.7	197.4
110	DCC052DR-12EYY0	2.8	5.0	7.8	11.2	15.1	19.6	24.7	30.3	36.5	43.3	50.6	58.5	67.0	76.0	85.6	95.8	106.5	117.8	129.6	142.0	155.0	168.6	182.7	197.4
111	DCC054DR-11DYV0	1.9	3.3	4.9	6.8	9.0	11.5	14.3	17.3	20.6	24.2	28.1	32.2	36.6	41.3	46.3	51.5	57.0	62.8	68.9	75.2	81.9	88.8	95.9	103.4
112	DCC058DR-12DVV0	2.9	5.0	7.5	10.4	13.6	17.3	21.4	25.9	30.8	36.0	41.7	47.8	54.3	61.2	68.5	76.2	84.3	92.8	101.7	111.0	120.6	130.7	141.2	152.1
113	DCC060DR-12DVW0	2.2	3.8	5.6	7.8	10.2	12.9	16.0	19.3	22.9	26.8	31.1	35.6	40.4	45.5	50.9	56.6	62.5	68.8	75.4	82.3	89.4	96.9	104.7	112.7
114	DCC063DR-12DWW0	3.0	5.2	7.8	11.0	14.5	18.6	23.1	28.1	33.6	39.5	45.8	52.7	60.0	67.8	76.0	84.7	93.9	103.5	113.6	124.1	135.1	146.6	158.6	171.0
115	DCC069TR-11GPYY	1.3	2.2	3.3	4.6	6.0	7.7	9.5	11.5	13.6	16.0	18.5	21.2	24.0	27.1	30.3	33.7	37.2	41.0	44.9	49.0	53.3	57.7	62.3	67.1
116	DCC074TR-12GYYY	1.5	2.6	3.9	5.3	7.0	8.8	10.9	13.1	15.5	18.2	21.0	24.0	27.2	30.6	34.2	37.9	41.9	46.1	50.4	55.0	59.7	64.7	69.8	75.1
117	DCC049DX-12EPV0	2.8	5.0	7.8	11.2	15.1	19.6	24.7	30.3	36.5	43.3	50.6	58.5	67.0	76.0	85.6	95.8	106.5	117.8	129.6	142.0	155.0	168.6	182.7	197.4
118	DCC051DX-12EYY0	2.8	5.0	7.8	11.2	15.1	19.6	24.7	30.3	36.5	43.3	50.6	58.5	67.0	76.0	85.6	95.8	106.5	117.8	129.6	142.0	155.0	168.6	182.7	197.4
119	DCC053DX-11DYV0	1.9	3.3	4.9	6.8	9.0	11.5	14.3	17.3	20.6	24.2	28.1	32.2	36.6	41.3	46.3	51.5	57.0	62.8	68.9	75.2	81.9	88.8	95.9	103.4
120	DCC056DX-12DVV0	2.9	5.0	7.5	10.4	13.6	17.3	21.4	25.9	30.8	36.0	41.7	47.8	54.3	61.2	68.5	76.2	84.3	92.8	101.7	111.0	120.6	130.7	141.2	152.1
121	DCC058DX-12DVW0	2.2	3.8	5.6	7.8	10.2	12.9	16.0	19.3	22.9	26.8	31.1	35.6	40.4	45.5	50.9	56.6	62.5	68.8	75.4	82.3	89.4	96.9	104.7	112.7
122	DCC061DX-12DWW0	3.0	5.2	7.8	11.0	14.5	18.6	23.1	28.1	33.6	39.5	45.8	52.7	60.0	67.8	76.0	84.7	93.9	103.5	113.6	124.1	135.1	146.6	158.6	171.0
123	DCC056DR-13DYV0	1.9	3.3	5.0	6.9	9.2	11.7	14.5	17.6	20.9	24.6	28.5	32.7	37.2	42.0	47.0	52.3	58.0	63.9	70.0	76.5	83.2	90.2	97.5	105.1
124	DCC059DR-14DVV0	2.9	5.0	7.5	10.4	13.8	17.5	21.6	26.1	31.1	36.4	42.2	48.3	54.9	61.9	69.2	77.0	85.2	93.8	102.8	112.2	122.0	132.2	142.9	153.9

DCC Units with 100% Water

DCC Unit Pressure Drop

	Unit	Waterflow(l/s)																									
		4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
		Pressure Drop (kPa)																							
125	DCC061DR-14DVW0	2.2	3.8	5.7	7.8	10.3	13.1	16.2	19.5	23.2	27.2	31.5	36.1	41.0	46.1	51.6	57.4	63.5	69.9	76.5	83.5	90.8	98.4	106.3	114.5
126	DCC065DR-14DWW0	3.0	5.2	7.9	11.0	14.7	18.8	23.3	28.4	33.9	39.8	46.3	53.2	60.6	68.4	76.7	85.5	94.8	104.5	114.7	125.4	136.5	148.1	160.2	172.7
127	DCC068TR-13GPPY	2.2	3.8	5.6	7.8	10.2	13.0	16.1	19.4	23.1	27.1	31.3	35.9	40.8	46.0	51.4	57.2	63.3	69.6	76.3	83.3	90.5	98.1	106.0	114.1
128	DCC072TR-14GPYY	1.3	2.3	3.4	4.7	6.2	7.8	9.7	11.7	13.9	16.3	18.9	21.7	24.6	27.7	31.0	34.5	38.2	42.0	46.0	50.2	54.6	59.2	63.9	68.9
129	DCC077TR-13GYVV	1.5	2.6	3.8	5.2	6.8	8.6	10.6	12.7	15.1	17.6	20.3	23.2	26.3	29.6	33.0	36.7	40.5	44.5	48.7	53.1	57.6	62.4	67.3	72.4
130	DCC080TR-14GYVV	1.5	2.6	3.8	5.2	6.8	8.6	10.6	12.7	15.1	17.6	20.3	23.2	26.3	29.6	33.0	36.7	40.5	44.5	48.7	53.1	57.6	62.4	67.3	72.4
131	DCC050DX-14EPV0	2.8	5.0	7.9	11.3	15.2	19.8	24.9	30.6	36.8	43.6	51.0	59.0	67.6	76.7	86.3	96.6	107.4	118.8	130.8	143.3	156.4	170.1	184.3	199.1
132	DCC052DX-14EYY0	2.8	5.0	7.9	11.3	15.2	19.8	24.9	30.6	36.8	43.6	51.0	59.0	67.6	76.7	86.3	96.6	107.4	118.8	130.8	143.3	156.4	170.1	184.3	199.1
133	DCC054DX-13DYV0	1.9	3.3	5.0	6.9	9.2	11.7	14.5	17.6	20.9	24.6	28.5	32.7	37.2	42.0	47.0	52.3	58.0	63.9	70.0	76.5	83.2	90.2	97.5	105.1
134	DCC057DX-14DVV0	2.9	5.0	7.5	10.4	13.8	17.5	21.6	26.1	31.1	36.4	42.2	48.3	54.9	61.9	69.2	77.0	85.2	93.8	102.8	112.2	122.0	132.2	142.9	153.9
135	DCC060DX-14DVW0	2.2	3.8	5.7	7.8	10.3	13.1	16.2	19.5	23.2	27.2	31.5	36.1	41.0	46.1	51.6	57.4	63.5	69.9	76.5	83.5	90.8	98.4	106.3	114.5
136	DCC063DX-14DWW0	3.0	5.2	7.9	11.0	14.7	18.8	23.3	28.4	33.9	39.8	46.3	53.2	60.6	68.4	76.7	85.5	94.8	104.5	114.7	125.4	136.5	148.1	160.2	172.7
137	DCC066TX-13GPPY	2.2	3.8	5.6	7.8	10.2	13.0	16.1	19.4	23.1	27.1	31.3	35.9	40.8	46.0	51.4	57.2	63.3	69.6	76.3	83.3	90.5	98.1	106.0	114.1
138	DCC070TX-14GPYY	1.3	2.3	3.4	4.7	6.2	7.8	9.7	11.7	13.9	16.3	18.9	21.7	24.6	27.7	31.0	34.5	38.2	42.0	46.0	50.2	54.6	59.2	63.9	68.9
139	DCC070TR-16GPPY	2.2	3.8	5.6	7.8	10.3	13.0	16.1	19.5	23.1	27.1	31.4	35.9	40.8	46.0	51.4	57.2	63.3	69.7	76.3	83.3	90.6	98.1	106.0	114.2
140	DCC077TR-15GYYY	1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.3	17.8	20.6	23.5	26.7	30.0	33.5	37.2	41.1	45.1	49.4	53.8	58.5	63.3	68.3	73.5
141	DCC080TR-16GYVV	1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.3	17.8	20.6	23.5	26.7	30.0	33.5	37.2	41.1	45.1	49.4	53.8	58.5	63.3	68.3	73.5
142	DCC083TR-15GVVV	1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.3	17.8	20.6	23.5	26.7	30.0	33.5	37.2	41.1	45.1	49.4	53.8	58.5	63.3	68.3	73.5
143	DCC086TR-15GVVW	1.0	1.6	2.4	3.3	4.3	5.5	6.7	8.1	9.5	11.1	12.8	14.7	16.6	18.7	20.8	23.1	25.5	28.0	30.7	33.4	36.3	39.2	42.3	45.5
144	DCC088TR-15GVWW	1.0	1.6	2.4	3.3	4.3	5.5	6.7	8.1	9.5	11.1	12.8	14.7	16.6	18.7	20.8	23.1	25.5	28.0	30.7	33.4	36.3	39.2	42.3	45.5
145	DCC091TR-15GWWW	1.0	1.6	2.4	3.3	4.3	5.5	6.7	8.1	9.5	11.1	12.8	14.7	16.6	18.7	20.8	23.1	25.5	28.0	30.7	33.4	36.3	39.2	42.3	45.5
146	DCC055DX-15DYV0	1.9	3.3	5.0	6.9	9.2	11.7	14.5	17.6	20.9	24.6	28.5	32.7	37.2	42.0	47.0	52.4	58.0	63.9	70.1	76.5	83.3	90.3	97.6	105.2
147	DCC059DX-16DVV0	2.9	5.0	7.5	10.4	13.8	17.5	21.6	26.1	31.1	36.4	42.2	48.3	54.9	61.9	69.3	77.1	85.2	93.8	102.8	112.3	122.1	132.3	142.9	154.0
148	DCC061DX-16DVW0	2.2	3.8	5.7	7.8	10.3	13.1	16.2	19.6	23.2	27.2	31.5	36.1	41.0	46.2	51.6	57.4	63.5	69.9	76.6	83.6	90.9	98.5	106.3	114.5
149	DCC065DX-16DWW0	3.0	5.2	7.9	11.0	14.7	18.8	23.3	28.4	33.9	39.9	46.3	53.2	60.6	68.5	76.8	85.6	94.8	104.6	114.8	125.4	136.6	148.2	160.3	172.8
150	DCC068TX-16GPPY	2.2	3.8	5.6	7.8	10.3	13.0	16.1	19.5	23.1	27.1	31.4	35.9	40.8	46.0	51.4	57.2	63.3	69.7	76.3	83.3	90.6	98.1	106.0	114.2
151	DCC075TX-15GYYY	1.6	2.7	3.9	5.4	7.1	9.0	11.1	13.4	15.9	18.5	21.4	24.5	27.8	31.3	34.9	38.8	42.9	47.2	51.6	56.3	61.1	66.2	71.5	76.9
152	DCC077TX-16GYVV	1.6	2.7	3.9	5.4	7.1	9.0	11.1	13.4	15.9	18.5	21.4	24.5	27.8	31.3	34.9	38.8	42.9	47.2	51.6	56.3	61.1	66.2	71.5	76.9

DCC Units with 100% Water

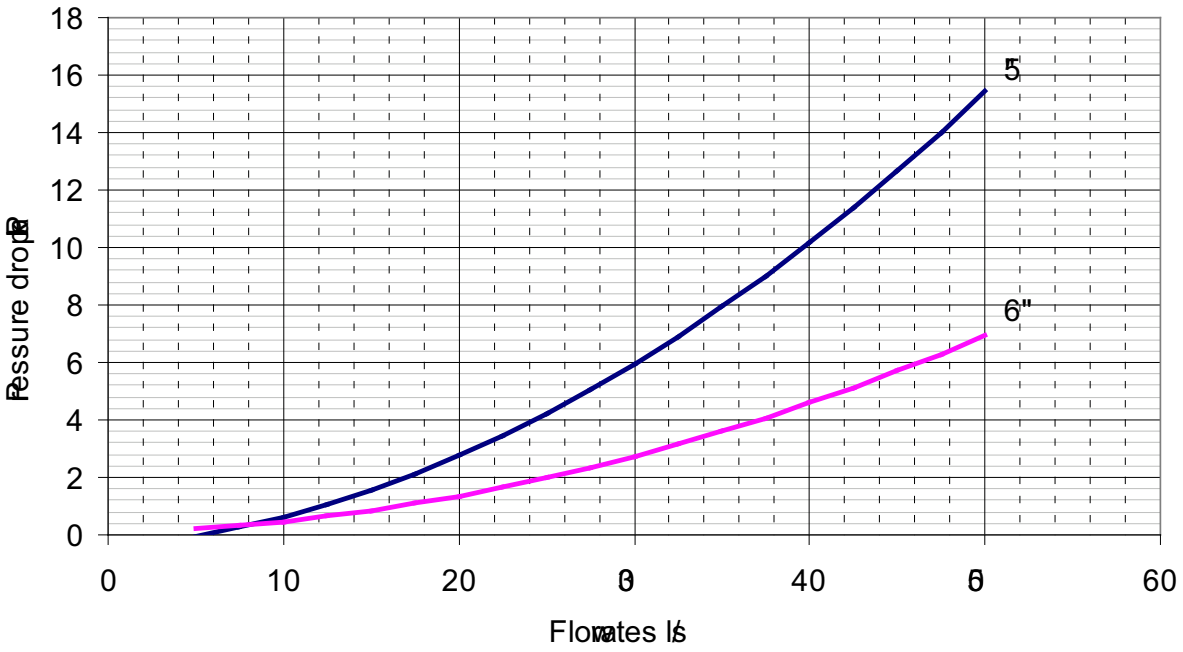
DCC Unit Pressure Drop

	Unit	Waterflow(l/s)																									
		Pressure Drop (kPa)	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
153	DCC074TR-17GPYY		1.3	2.2	3.3	4.5	5.9	7.5	9.3	11.2	13.3	15.6	18.0	20.7	23.4	26.4	29.5	32.8	36.3	39.9	43.7	47.7	51.8	56.2	60.6	65.3
154	DCC079TR-18GYYY		1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.2	17.8	20.5	23.5	26.6	29.9	33.4	37.1	41.0	45.0	49.3	53.7	58.3	63.1	68.1	73.3
155	DCC082TR-17GYVV		1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.2	17.8	20.5	23.5	26.6	29.9	33.4	37.1	41.0	45.0	49.3	53.7	58.3	63.1	68.1	73.3
156	DCC085TR-18GVVV		1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.2	17.8	20.5	23.5	26.6	29.9	33.4	37.1	41.0	45.0	49.3	53.7	58.3	63.1	68.1	73.3
157	DCC088TR-18GVVW		1.0	1.6	2.4	3.3	4.3	5.4	6.7	8.0	9.5	11.1	12.8	14.6	16.5	18.6	20.7	23.0	25.4	27.9	30.5	33.2	36.1	39.1	42.1	45.3
158	DCC091TR-18GVWW		1.0	1.6	2.4	3.3	4.3	5.4	6.7	8.0	9.5	11.1	12.8	14.6	16.5	18.6	20.7	23.0	25.4	27.9	30.5	33.2	36.1	39.1	42.1	45.3
159	DCC094TR-18GWWW		1.0	1.6	2.4	3.3	4.3	5.4	6.7	8.0	9.5	11.1	12.8	14.6	16.5	18.6	20.7	23.0	25.4	27.9	30.5	33.2	36.1	39.1	42.1	45.3
160	DCC072TX-17GPYY		1.3	2.2	3.3	4.5	5.9	7.5	9.3	11.2	13.3	15.6	18.0	20.7	23.4	26.4	29.5	32.8	36.3	39.9	43.7	47.7	51.8	56.2	60.6	65.3
161	DCC077TX-18GYYY		1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.2	17.8	20.5	23.5	26.6	29.9	33.4	37.1	41.0	45.0	49.3	53.7	58.3	63.1	68.1	73.3
162	DCC080TX-17GYVV		1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.2	17.8	20.5	23.5	26.6	29.9	33.4	37.1	41.0	45.0	49.3	53.7	58.3	63.1	68.1	73.3
163	DCC083TX-18GVVV		1.5	2.6	3.8	5.3	6.9	8.7	10.7	12.9	15.2	17.8	20.5	23.5	26.6	29.9	33.4	37.1	41.0	45.0	49.3	53.7	58.3	63.1	68.1	73.3
164	DCC086TX-18GVVW		1.0	1.6	2.4	3.3	4.3	5.4	6.7	8.0	9.5	11.1	12.8	14.6	16.5	18.6	20.7	23.0	25.4	27.9	30.5	33.2	36.1	39.1	42.1	45.3
165	DCC088TX-18GVWW		1.0	1.6	2.4	3.3	4.3	5.4	6.7	8.0	9.5	11.1	12.8	14.6	16.5	18.6	20.7	23.0	25.4	27.9	30.5	33.2	36.1	39.1	42.1	45.3
166	DCC091TX-18GWWW		1.0	1.6	2.4	3.3	4.3	5.4	6.7	8.0	9.5	11.1	12.8	14.6	16.5	18.6	20.7	23.0	25.4	27.9	30.5	33.2	36.1	39.1	42.1	45.3
167	DCC082TR-19GYYV		1.5	2.6	3.9	5.3	6.9	8.8	10.8	13.0	15.4	18.0	20.8	23.7	26.9	30.2	33.8	37.5	41.4	45.5	49.8	54.3	59.0	63.9	68.9	74.2
168	DCC084TR-20GYVV		1.5	2.6	3.9	5.3	6.9	8.8	10.8	13.0	15.4	18.0	20.8	23.7	26.9	30.2	33.8	37.5	41.4	45.5	49.8	54.3	59.0	63.9	68.9	74.2
169	DCC087TR-21GVVV		1.5	2.6	3.9	5.3	7.0	8.8	10.9	13.1	15.6	18.2	21.0	24.0	27.2	30.6	34.2	37.9	41.9	46.1	50.4	55.0	59.7	64.6	69.7	75.1
170	DCC090TR-21GVVW		1.0	1.7	2.5	3.4	4.4	5.6	6.9	8.3	9.8	11.5	13.2	15.1	17.1	19.2	21.5	23.9	26.3	28.9	31.7	34.5	37.5	40.5	43.7	47.1
171	DCC093TR-21GVWW		1.0	1.7	2.5	3.4	4.4	5.6	6.9	8.3	9.8	11.5	13.2	15.1	17.1	19.2	21.5	23.9	26.3	28.9	31.7	34.5	37.5	40.5	43.7	47.1
172	DCC096TR-21GWWW		1.0	1.7	2.5	3.4	4.4	5.6	6.9	8.3	9.8	11.5	13.2	15.1	17.1	19.2	21.5	23.9	26.3	28.9	31.7	34.5	37.5	40.5	43.7	47.1
173	DCC070TX-19GPPY		2.2	3.7	5.5	7.7	10.1	12.8	15.8	19.1	22.7	26.5	30.7	35.2	39.9	45.0	50.3	55.9	61.8	68.1	74.6	81.3	88.4	95.8	103.5	111.4
174	DCC074TX-20GPYY		1.3	2.2	3.3	4.6	6.0	7.6	9.4	11.3	13.5	15.8	18.3	20.9	23.7	26.7	29.9	33.2	36.8	40.4	44.3	48.3	52.5	56.9	61.5	66.2
175	DCC079TX-21GYYY		1.5	2.6	3.9	5.3	7.0	8.8	10.9	13.1	15.6	18.2	21.0	24.0	27.2	30.6	34.2	37.9	41.9	46.1	50.4	55.0	59.7	64.6	69.7	75.1
176	DCC080TX-19GYYV		1.5	2.6	3.9	5.3	6.9	8.8	10.8	13.0	15.4	18.0	20.8	23.7	26.9	30.2	33.8	37.5	41.4	45.5	49.8	54.3	59.0	63.9	68.9	74.2
177	DCC081TX-22GYYV		1.5	2.6	3.9	5.3	7.0	8.8	10.9	13.1	15.6	18.2	21.0	24.0	27.2	30.6	34.2	37.9	41.9	46.1	50.4	55.0	59.7	64.6	69.7	75.1
178	DCC082TX-20GYVV		1.5	2.6	3.9	5.3	6.9	8.8	10.8	13.0	15.4	18.0	20.8	23.7	26.9	30.2	33.8	37.5	41.4	45.5	49.8	54.3	59.0	63.9	68.9	74.2
179	DCC085TX-21GVVV		1.5	2.6	3.9	5.3	7.0	8.8	10.9	13.1	15.6	18.2	21.0	24.0	27.2	30.6	34.2	37.9	41.9	46.1	50.4	55.0	59.7	64.6	69.7	75.1
180	DCC088TX-21GVVW		1.0	1.7	2.5	3.4	4.4	5.6	6.9	8.3	9.8	11.5	13.2	15.1	17.1	19.2	21.5	23.9	26.3	28.9	31.7	34.5	37.5	40.5	43.7	47.1
181	DCC091TX-21GVWW		1.0	1.7	2.5	3.4	4.4	5.6	6.9	8.3	9.8	11.5	13.2	15.1	17.1	19.2	21.5	23.9	26.3	28.9	31.7	34.5	37.5	40.5	43.7	47.1
182	DCC094TX-21GWWW		1.0	1.7	2.5	3.4	4.4	5.6	6.9	8.3	9.8	11.5	13.2	15.1	17.1	19.2	21.5	23.9	26.3	28.9	31.7	34.5	37.5	40.5	43.7	47.1

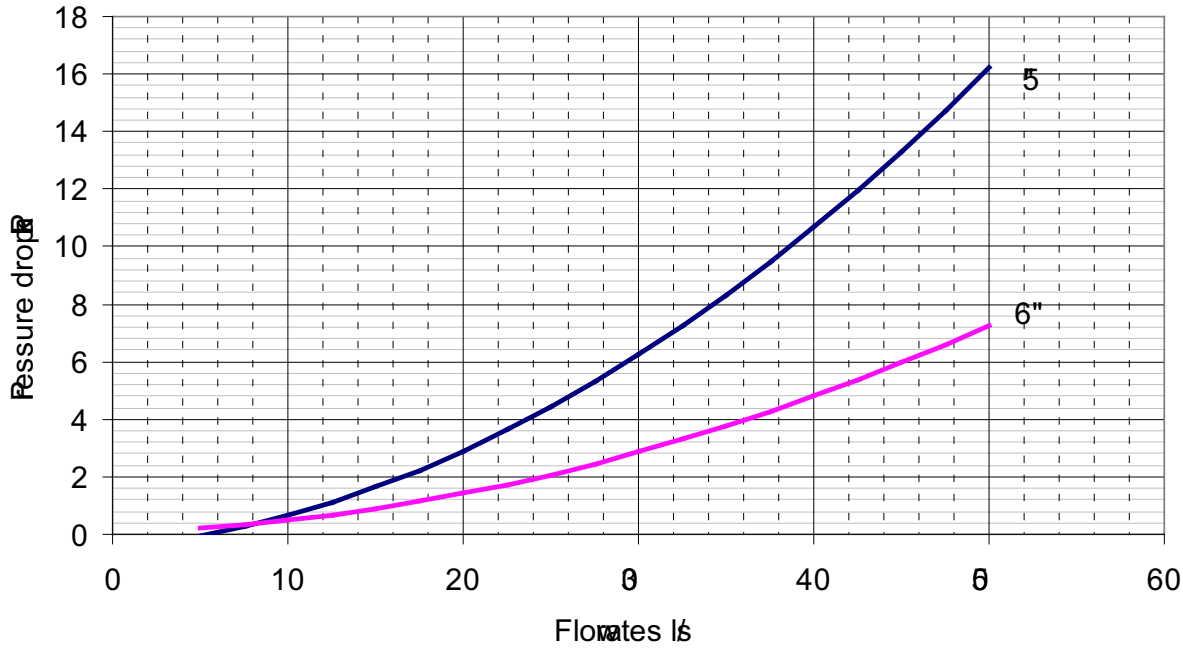
DCC Units with 100% Water

Strainer Pressure Drop

100% Water



20% Ethylene Glycol



Pump Performance Curves

		Standard Head	High Head
1	DCF046DR-07DXY0	5	8
2	DCF048DR-07DPY0	5	8
3	DCF051DR-08DPV0	5	8
4	DCF053DR-08DYY0	5	8
5	DCF049DR-09DXY0	5	6
6	DCF051DR-09DPY0	5	6
7	DCF053DR-10DPV0	7	8
8	DCF055DR-09DYV0	7	8
9	DCF055DR-10DYY0	7	8
10	DCF058DR-10DVV0	7	8
11	DCF062DR-10FVW0	7	8
12	DCF065DR-10FWW0	8	9
13	DCF069TR-10GPPY	8	9
14	DCF051DR-11DXY0	5	6
15	DCF053DR-11DPY0	5	6
16	DCF055DR-12DPV0	5	6
17	DCF057DR-12DYY0	7	8
18	DCF058DR-11DYV0	7	8
19	DCF060DR-12DVV0	7	8
20	DCF065DR-12FVW0	7	8
21	DCF068DR-12FWW0	7	8
22	DCF074TR-11GPYY	8	9
23	DCF079TR-12GYYY	8	9
24	DCF059DR-13DYV0	7	8
25	DCF062DR-14DVV0	7	8
26	DCF066DR-14FVW0	7	8
27	DCF070DR-14FWW0	7	8
28	DCF073TR-13GPPY	7	8
29	DCF078TR-14GPYY	8	9
30	DCF082TR-13HYYV	8	9
31	DCF085TR-14HYVV	8	9
32	DCF075TR-16GPPY	7	8
33	DCF082TR-15GYYY	8	9
34	DCF085TR-16HYYV	8	9
35	DCF090TR-15HVVV	8	9
36	DCF092TR-15HVVW	8	9
37	DCF094TR-15HVWW	8	9
38	DCF096TR-15HWWW	9	10
39	DCF080TR-17GPYY	8	9
40	DCF085TR-18GYYY	8	9
41	DCF088TR-17HYVV	8	9
42	DCF093TR-18HVVV	8	9
43	DCF095TR-18HVVW	8	9
44	DCF098TR-18HVWW	8	9
45	DCF100TR-18HWWW	9	10
46	DCF088TR-19HYYV	8	9
47	DCF090TR-20HYVV	8	9
48	DCF095TR-21HVVV	8	9

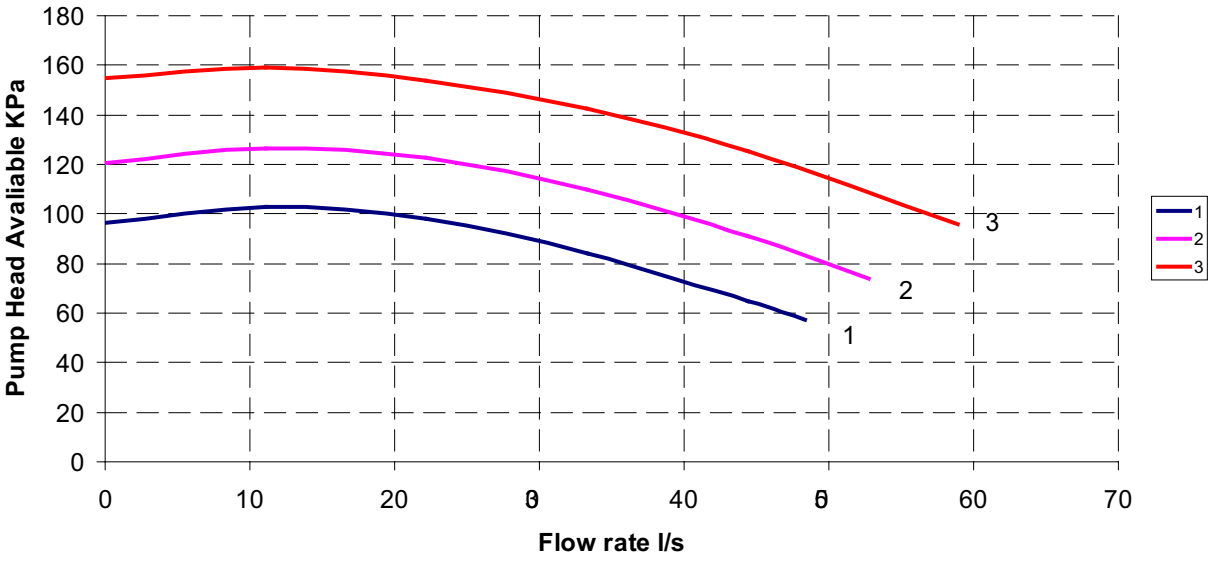
		Standard Head	High Head
49	DCF098TR-21HVVW	8	9
50	DCF101TR-21HVWW	9	10
51	DCF103TR-21HWWW	9	10
52	DCF047DX-09DXY0	5	6
53	DCF049DX-09DPY0	5	6
54	DCF051DX-10DPV0	5	6
55	DCF053DX-10DYY0	5	6
56	DCF049DX-11DXY0	5	6
57	DCF051DX-11DPY0	5	6
58	DCF053DX-12DPV0	5	6
59	DCF055DX-11DYV0	7	8
60	DCF055DX-12DYY0	5	6
61	DCF058DX-12DVV0	7	8
62	DCF062DX-12FVW0	7	8
63	DCF065DX-12FWW0	7	8
64	DCF050DX-13DXY0	5	6
65	DCF053DX-13DPY0	5	6
66	DCF055DX-14DPV0	5	6
67	DCF057DX-13DYV0	5	6
68	DCF057DX-14DYY0	5	6
69	DCF060DX-14DVV0	7	8
70	DCF064DX-14FVW0	7	8
71	DCF068DX-14FWW0	7	8
72	DCF069TX-13GPPY	7	8
73	DCF075TX-14GPYY	7	8
74	DCF059DX-15DYV0	7	8
75	DCF061DX-16DVV0	7	8
76	DCF066DX-16FVW0	7	8
77	DCF069DX-16FWW0	7	8
78	DCF073TX-16GPPY	7	8
79	DCF079TX-15GYYY	8	9
80	DCF082TX-16HYYV	8	9
81	DCF078TX-17GPYY	7	8
82	DCF082TX-18GYYY	8	9
83	DCF085TX-17HYVV	8	9
84	DCF089TX-18HVVV	8	9
85	DCF092TX-18HVVW	8	9
86	DCF094TX-18HVWW	8	9
87	DCF096TX-18HWWW	8	9
88	DCF074TX-19GPPY	7	8
89	DCF079TX-20GPYY	7	8
90	DCF085TX-19HYYV	8	9
91	DCF088TX-20HYVV	8	9
92	DCF084TX-21GYYY	8	9
93	DCF087TX-22HYYV	8	9
94	DCF092TX-21HVVV	8	9
95	DCF095TX-21HVVW	8	9
96	DCF097TX-21HVWW	8	9
97	DCF099TX-21HWWW	9	10

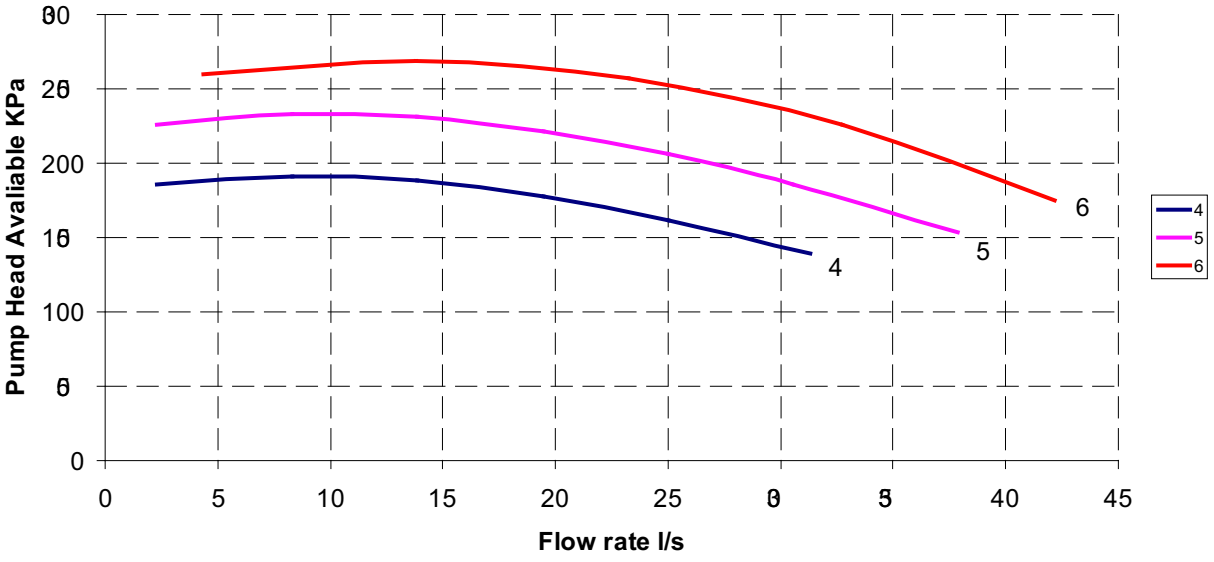
Pump Performance Curves

		Standard Head	High Head
98	DCC047DR-08EPV0	1	4
99	DCC049DR-08EYY0	1	4
100	DCC049DR-10EPV0	1	4
101	DCC051DR-10EYY0	1	4
102	DCC052DR-09DYV0	1	4
103	DCC056DR-10DVV0	1	4
104	DCC058DR-10DVW0	1	4
105	DCC061DR-10DWW0	2	5
106	DCC065TR-10GPPY	2	5
107	DCC050DR-12EPV0	1	4
108	DCC052DR-12EYY0	1	4
109	DCC054DR-11DYV0	1	4
110	DCC058DR-12DVV0	1	4
111	DCC060DR-12DVW0	2	5
112	DCC063DR-12DWW0	2	5
113	DCC069TR-11GPYY	2	7
114	DCC074TR-12GYYY	2	7
115	DCC056DR-13DYV0	1	4
116	DCC059DR-14DVV0	2	4
117	DCC061DR-14DVW0	2	5
118	DCC065DR-14DWW0	2	7
119	DCC068TR-13GPPY	2	7
120	DCC072TR-14GPYY	2	7
121	DCC077TR-13GYYV	2	7
122	DCC080TR-14GYVV	2	7
123	DCC070TR-16GPPY	2	7
124	DCC077TR-15GYYY	2	7
125	DCC080TR-16GYYV	2	7
126	DCC083TR-15GVVV	2	7
127	DCC086TR-15GVVW	2	7
128	DCC088TR-15GVWW	2	7
129	DCC091TR-15GWWW	3	7
130	DCC074TR-17GPYY	2	7
131	DCC079TR-18GYYY	2	7
132	DCC082TR-17GYVV	2	7
133	DCC085TR-18GVVV	2	7
134	DCC088TR-18GVVW	2	7
135	DCC091TR-18GVWW	3	7
136	DCC094TR-18GWWW	3	7
137	DCC082TR-19GYYV	2	7
138	DCC084TR-20GYVV	2	7
139	DCC087TR-21GVVV	2	7
140	DCC090TR-21GVVW	3	7
141	DCC093TR-21GVWW	3	7
142	DCC096TR-21GWWW	3	7
143	DCC048DX-10EPV0	1	4

		Standard Head	High Head
144	DCC049DX-10EYY0	1	4
145	DCC049DX-12EPV0	1	4
146	DCC051DX-12EYY0	1	4
147	DCC053DX-11DYV0	1	4
148	DCC056DX-12DVV0	1	4
149	DCC058DX-12DVW0	2	4
150	DCC061DX-12DWW0	2	4
151	DCC050DX-14EPV0	1	4
152	DCC052DX-14EYY0	1	4
153	DCC054DX-13DYV0	1	4
154	DCC057DX-14DVV0	1	4
155	DCC060DX-14DVW0	2	5
156	DCC063DX-14DWW0	2	5
157	DCC066TX-13GPPY	2	7
158	DCC070TX-14GPYY	2	7
159	DCC055DX-15DYV0	1	4
160	DCC059DX-16DVV0	2	4
161	DCC061DX-16DVW0	2	5
162	DCC065DX-16DWW0	2	5
163	DCC068TX-16GPPY	2	7
164	DCC075TX-15GYYY	2	7
165	DCC077TX-16GYYV	2	7
166	DCC072TX-17GPYY	2	7
167	DCC077TX-18GYYY	2	7
168	DCC080TX-17GYVV	2	7
169	DCC083TX-18GVVV	2	7
170	DCC086TX-18GVVW	2	7
171	DCC088TX-18GVWW	2	7
172	DCC091TX-18GWWW	3	7
173	DCC070TX-19GPPY	2	7
174	DCC074TX-20GPYY	2	7
175	DCC079TX-21GYYY	2	7
176	DCC080TX-19GYYV	2	7
177	DCC081TX-22GYYV	2	7
178	DCC082TX-20GYVV	2	7
179	DCC085TX-21GVVV	2	7
180	DCC088TX-21GVVW	2	7
181	DCC091TX-21GVWW	3	7
182	DCC094TX-21GWWW	3	7

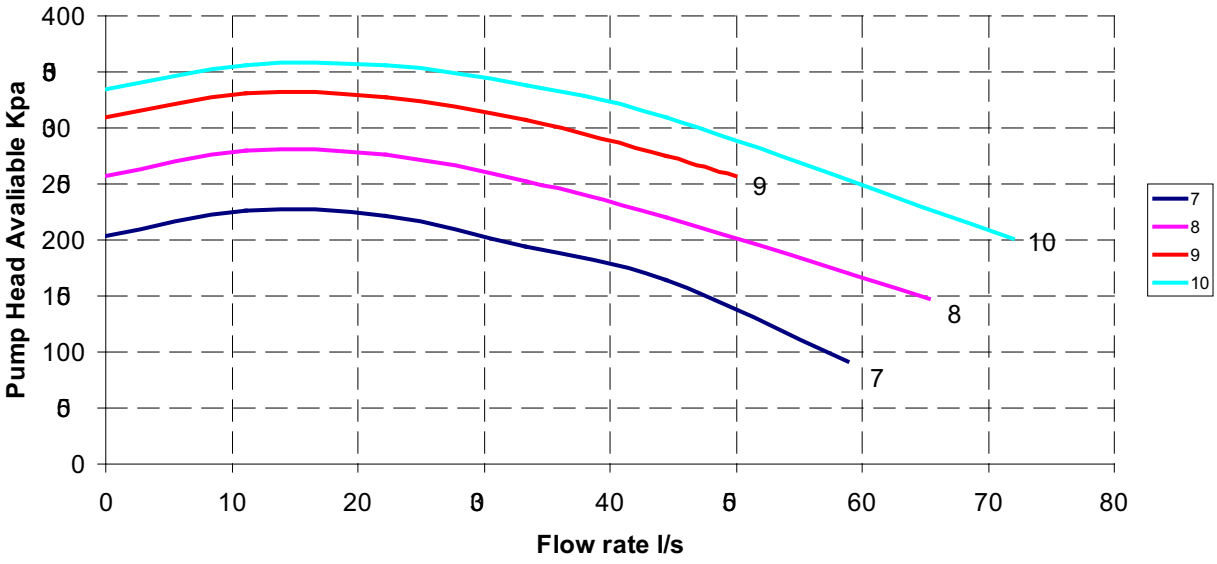
Pump Performance Curves





Pump Curves based upon water

Pump Performance Curves



Correction Factors

Ethylene Glycol

Glycol in System / Freezing Point ºC		10% / -4°C	20% / -9°C	30% / -15°C	40% / -23°C
Cooling Duty	Catalogue Data x by:	0.98	0.97	0.95	0.93
Input Power		0.99	0.98	0.96	0.95
Water Flow		0.99	1.02	1.04	1.07
Pressure Drop		1.05	1.20	1.38	1.57

Propylene Glycol

Glycol in System / Freezing Point ºC		10% / -2°C	20% / -6°C	30% / -12°C	40% / -20°C
Cooling Duty	Catalogue Data x by:	0.97	0.95	0.91	0.88
Input Power		0.99	0.98	0.96	0.95
Water Flow		0.98	0.97	0.95	0.95
Pressure Drop		1.08	1.17	1.31	1.45

Pump Curves based upon water

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