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

Technical Manual

FM00542 EMS52086

Customer Services

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	training@airedale.com

For information, visit us at our web site: www.airedale.com

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

Personal Protective Equipment

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

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.

Refrigerant Warning

The Airedale 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.

Pressure Equipment Directive (2014/68/EU)

Minimum and Maximum Operation Temperature (TS) and Pressure (PS)

Refrigeration

AllowableTemperature Range (TS) = Min -20°C* to Max 120°C**
Maximum Allowable Pressure (PS) = High Side 40.7 Barg, Low Side 30Barg

*Based on the refrigerant temperature in the unit off state in the lowest permitted ambient temperature.
**Based on the maximum allowable super heated refrigerant temperature.

Waterside

AllowableTemperature Range (TS) = Min -20°C* to Max 40°C**
Maximum Allowable Pressure (PS) = 10 Barg

*Based on the waterside temperature in the unit off state in the lowest permitted ambient temperature.
**Based on the waterside temperature in the unit off state in the highest permitted ambient temperature.

Pressure System Safety Regulations 2000

Refrigeration assemblies/systems may constitute a Pressure System as defined in the Pressure System Safety Regulations 2000.

Global Warming Potential

The R410A refrigerant has a GWP of 2088 (based on EN378-1:2016, 100 year life)

Ecodesign Directive 2009/125/EC

The product range within this document is designed in accordance to the European Ecodesign Directive 2009/125/EC. The appendix at the rear section of the manual gives the product compliancy metrics. Products sold outside of the EU are exempt from this directive.

Environmental Considerations

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) must be used within the system to ensure adequate freeze protection. Please ensure that the concentration is capable of protection to at least 3K lower than ambient.
- Water / glycol solution should be 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 3K 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)	2014/30/EU
Machinery Directive (MD)	89/392/EEC version 2006/42/EC
Pressure Equipment Directive (PED)	2014/68/EU
Ecodesign	2009/125/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.

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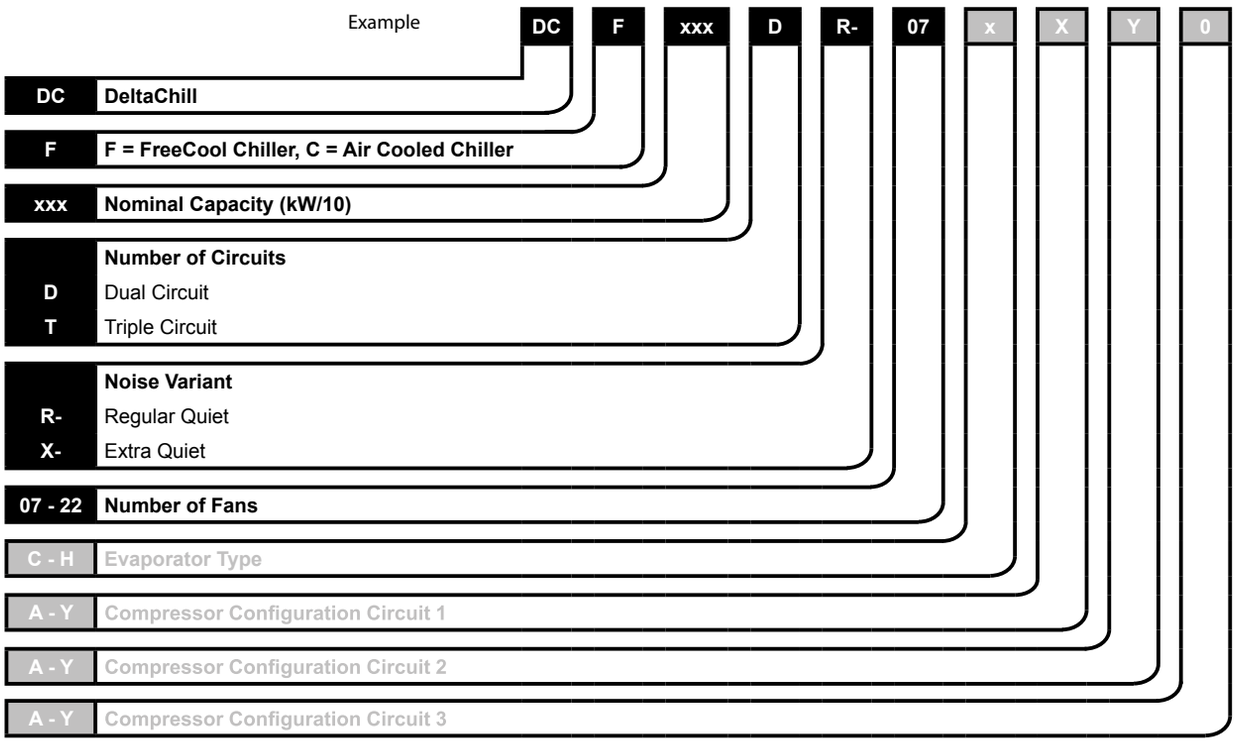
Specifiers Guide

Nomenclature



Introduction

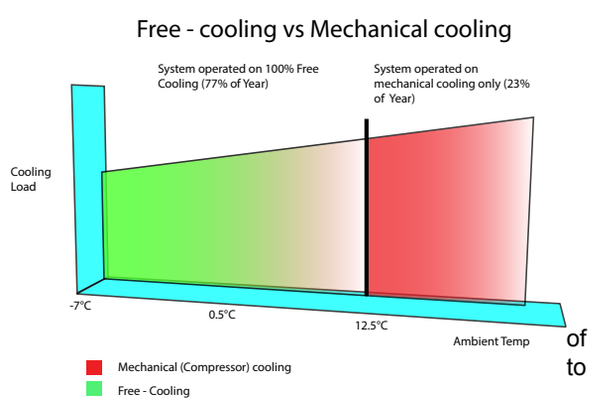
The DeltaChill Free Cool chiller has been designed to provide the cooling load required whilst optimising energy efficiency at all times and as such will take advantage of free cooling whenever available. If the free cooling available cannot satisfy the required full cooling load, direct expansion cooling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

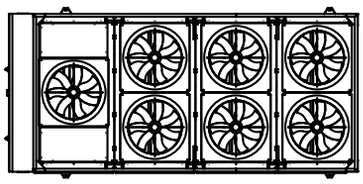
In high ambients where free cooling is not available the fan speed modulates in the conventional manner to maintain a constant head pressure. Free cooling is initiated wherever the outdoor ambient is 2°C less than the return water temperature. The condensing temperature is constantly monitored and intelligently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



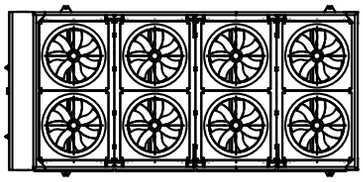
During periods where the condenser fan speed has been reduced to a minimum, the supply water temperature will then be controlled by the 3 way valve.

Range Layout

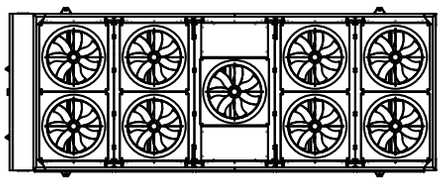
7 Fan Units DCF 460 - 480kW



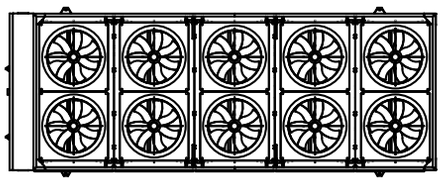
8 Fan Units DCC 470 - 490kW
DCF 470 - 490kW



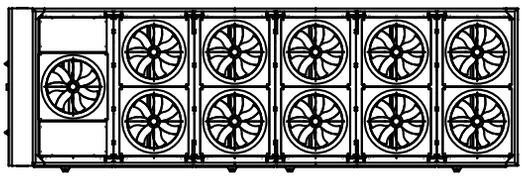
9 Fan Units DCC 520kW
DCF 510kW



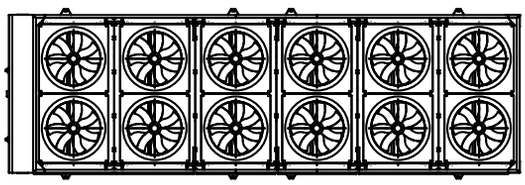
10 Fan Units DCC 480 - 650kW
DCF 510 - 650kW



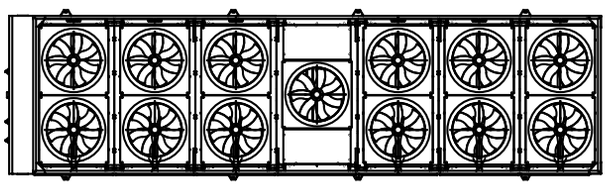
11 Fan Units DCC 530 - 690kW
DCF 490 - 740kW



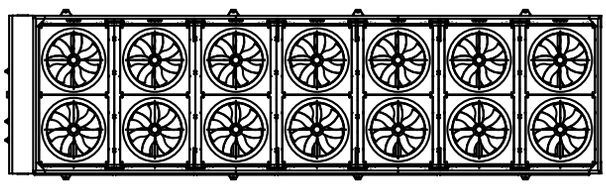
12 Fan Units DCC 490 - 740kW
DCF 530 - 790kW



13 Fan Units DCC 540 - 680kW
DCF 500 - 820kW



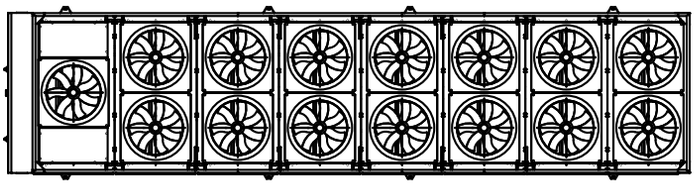
14 Fan Units DCC 500 - 800kW
DCF 550 - 850kW



(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

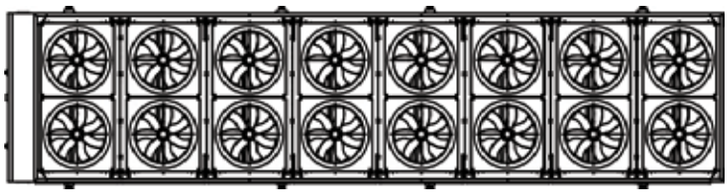
15 Fan Units

DCC 550 - 910kW
DCF 590 - 960kW



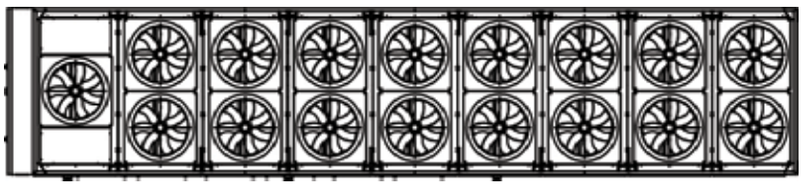
16 Fan Units

DCC 590 - 770kW
DCF 660 - 850kW



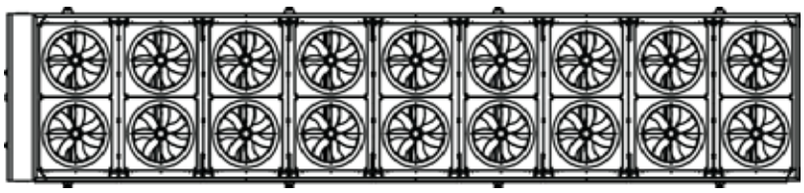
17 Fan Units

DCC 720 - 820kW
DCF 780 - 850kW



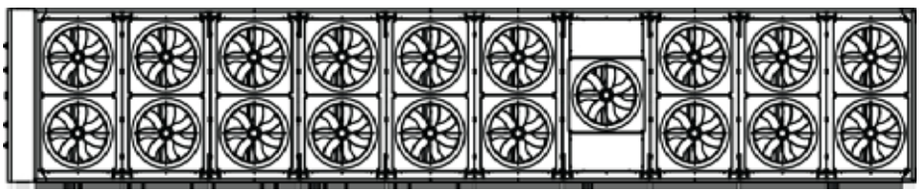
18 Fan Units

DCC 770 - 940kW
DCF 820 - 1000kW



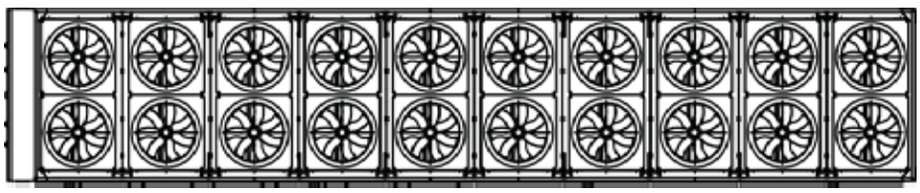
19 Fan Units

DCC 700 - 820kW
DCF 740 - 880kW



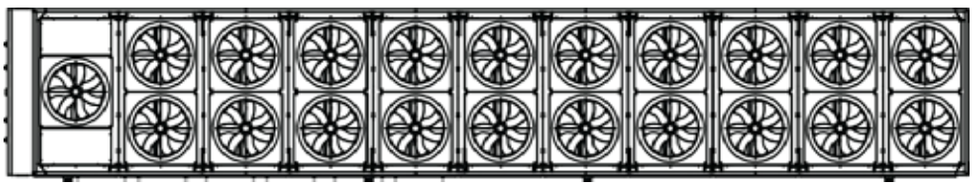
20 Fan Units

DCC 740 - 840kW
DCF 790 - 900kW



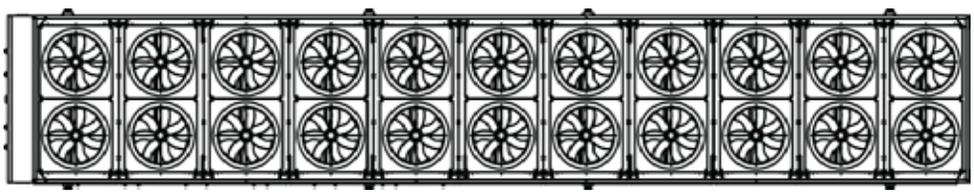
21 Fan Units

DCC 790 - 960kW
DCF 840 - 1030kW



22 Fan Units

DCC 810kW
DCF 870kW



Unit Overview

Standard Condenser Fans

- EC (Electrically Commutated) Condenser Fans

Optional Condenser Fan Components

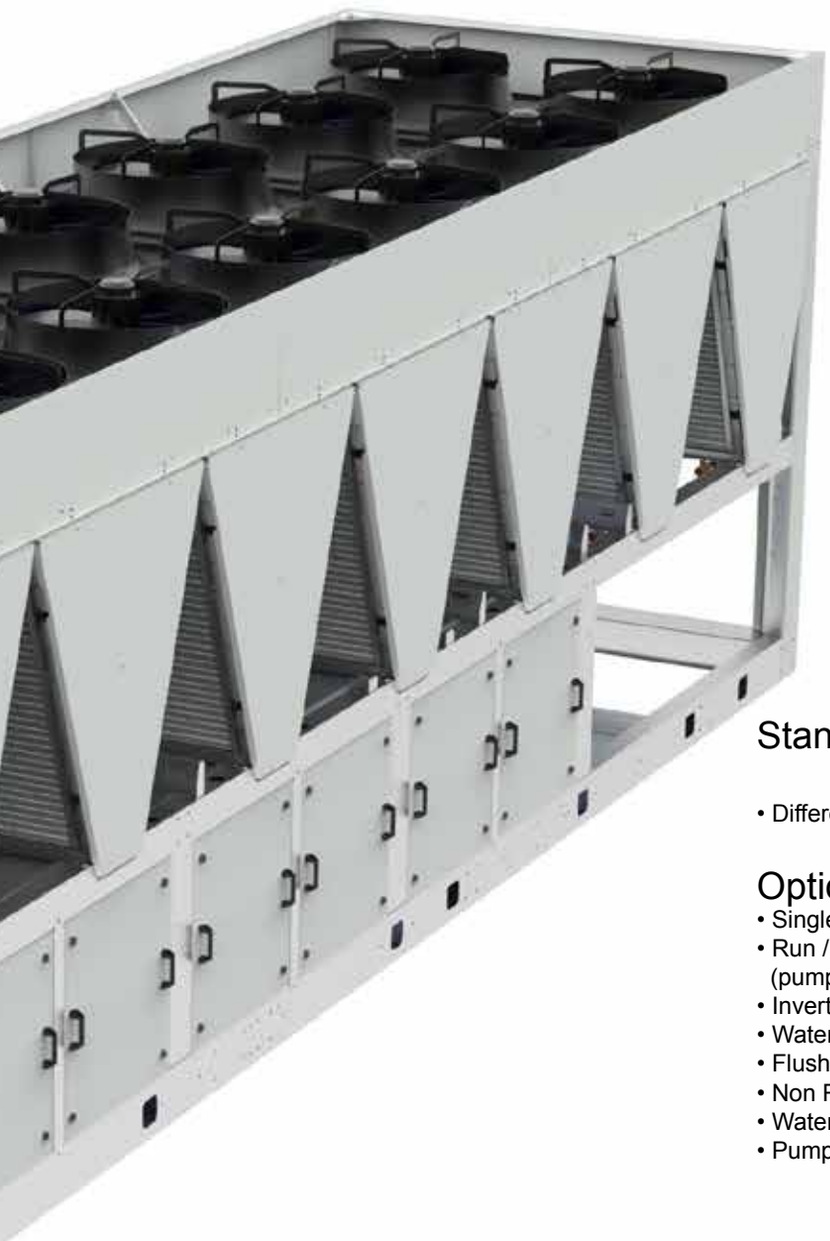
- AC Condenser Fans
- EC + (High Airflow EC) Condenser Fans
- Extended Discharge Plenum

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)

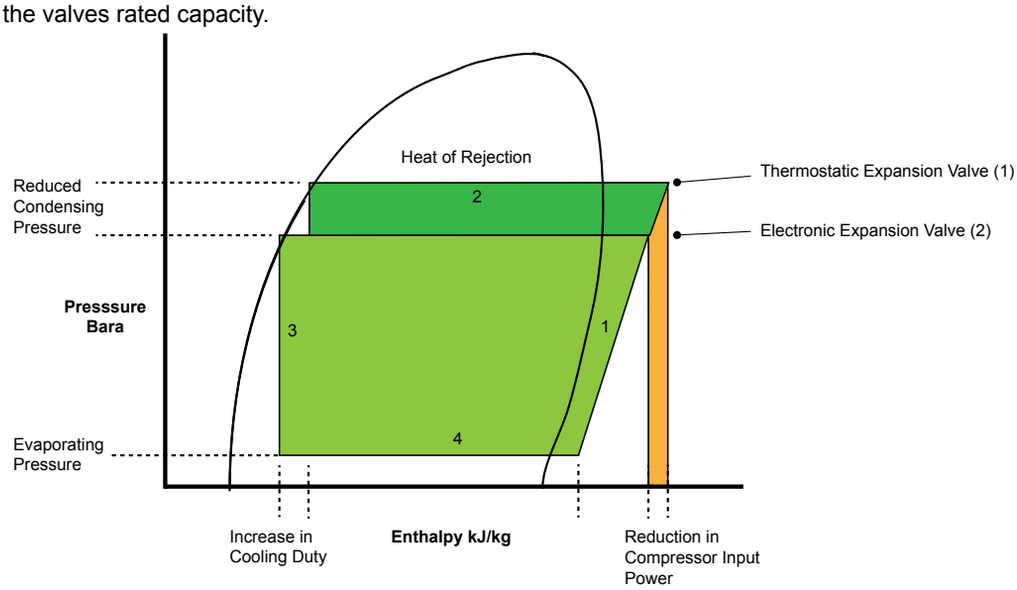
Electronic expansion valves differ to the normal thermostatic expansion valves in their ability to maintain control of the suction superheat at reduced head pressures.

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.

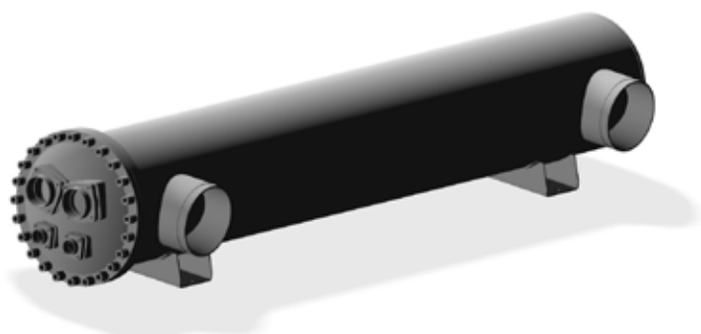
EEV Cooling cycle @ 22°C ambient, demonstrating a typical EEV condensing temperature taking full advantage of lower ambient air temperatures (below 30°C).

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.

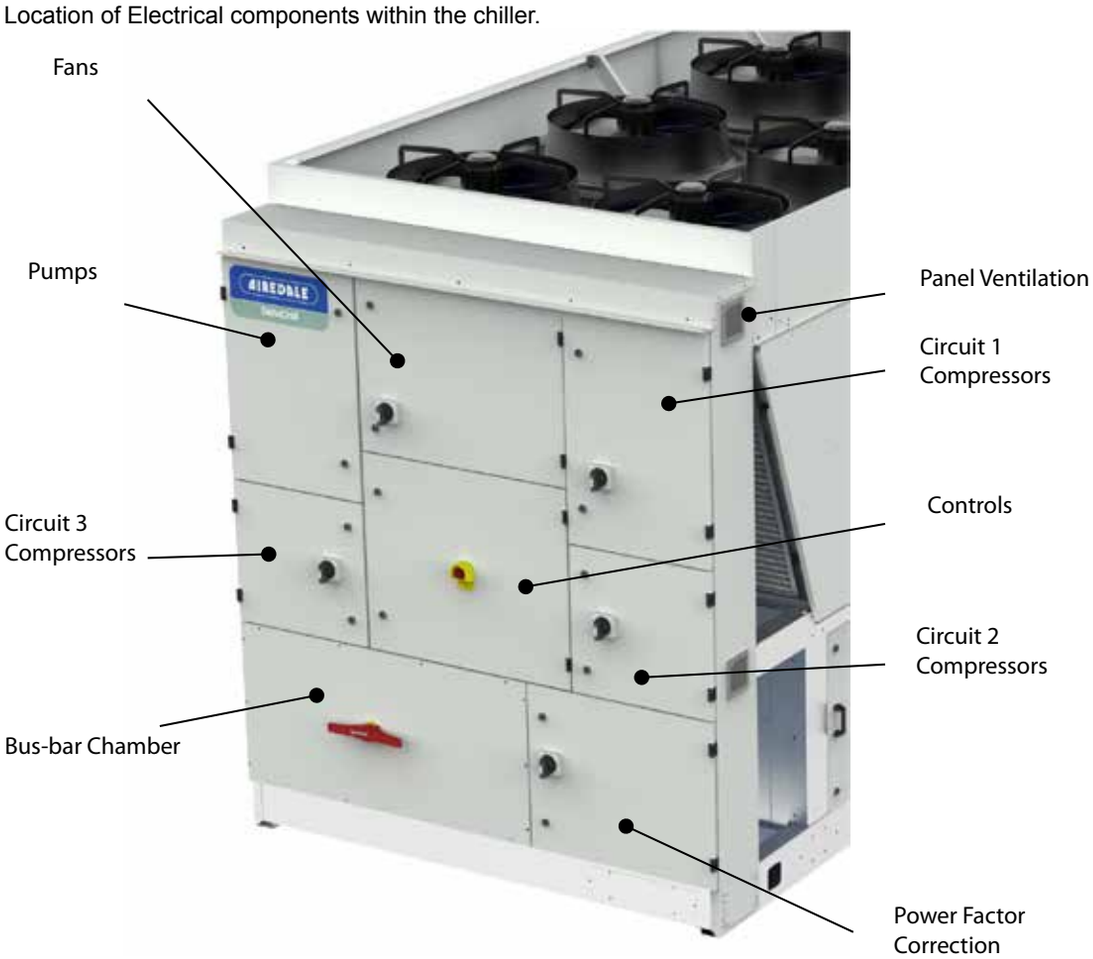
Evaporator
Shell and Tube Heat Exchanger(s) will allow optimum heat transfer between media. Each heat exchanger shall be insulated with closed cell polyurethane foam to Class 1 fire rating.
A immersion heater is fitted to the single evaporator and will protect against freeze up in ambient temperatures 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

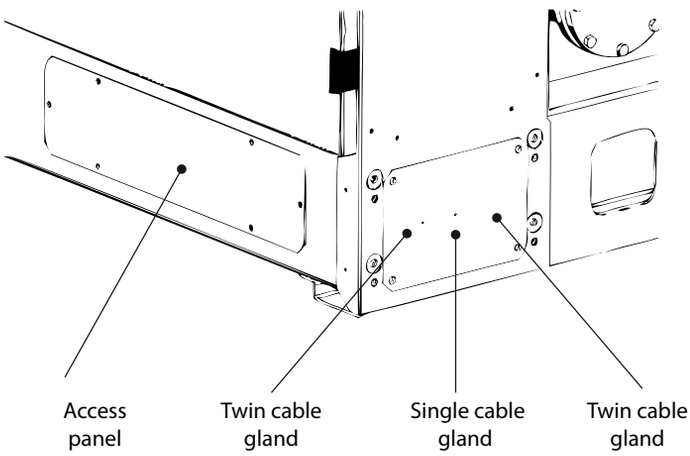
A 10 A single phase maintenance socket is available located within the control panel. This socket enables UK plugs to be connected.

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.

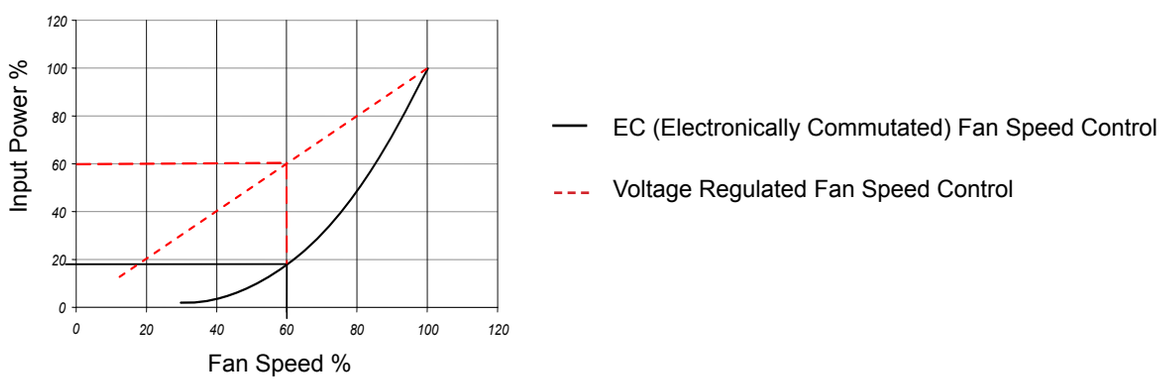
Condenser Fans

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.

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.
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%

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.

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.

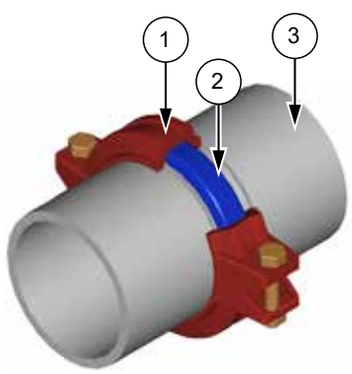
Water Flow Switch

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

IMPORTANT ⚠	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.

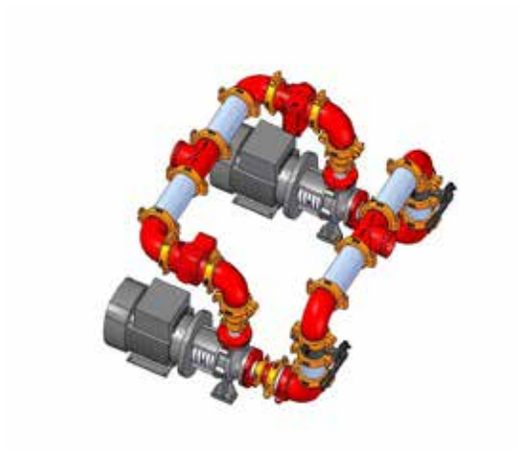
Single pump + filter + flushing bypass

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

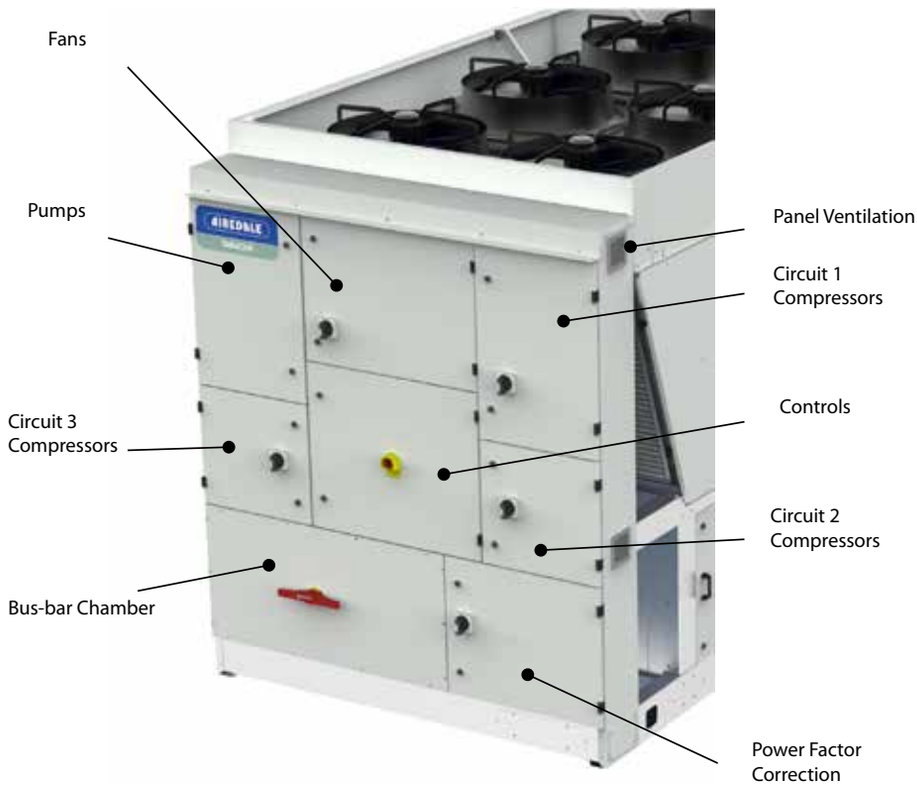
Run & standby pumps + filter + regulating bypass

Comprises:

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

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

Controls



General Description

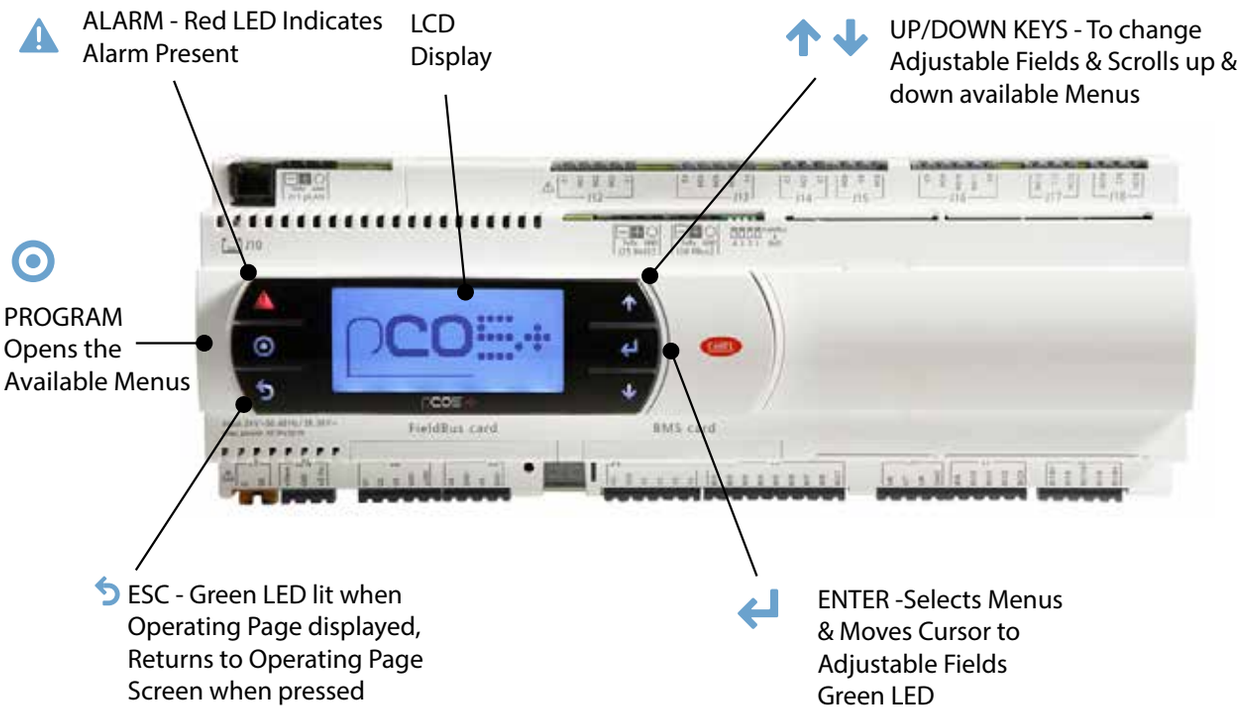
The microprocessor controller offers powerful analogue and digital control to meet a wide range of monitoring and control features including a real time clock and Industry standard communication port and network connections.

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

Compressor Fast Start

Fast start is initiated following a 3 phase mains power failure. The chiller can go into fast start mode if the return water temperature is10°C or more above the supply water temperature set point.

The maximum number of fast starts is factory set to 4 in 24 hours. It is adjustable between 1 and 4 events.

If the maximum number of fast starts is exceeded, an alarm will be generated – manual reset fast start limit alarm.

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.

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. 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.

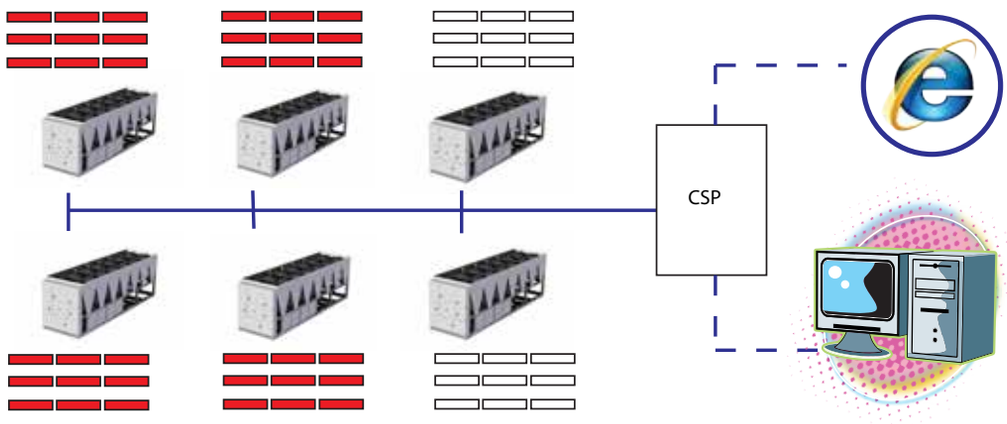
Chiller Sequence Manager

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.

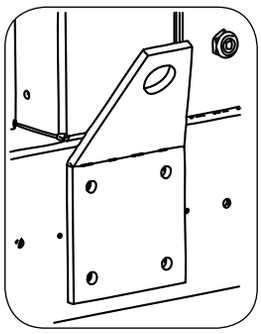
Requires no proprietary cabling or monitoring software and supplied pre programmed with an IP address for ease of set up.

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.

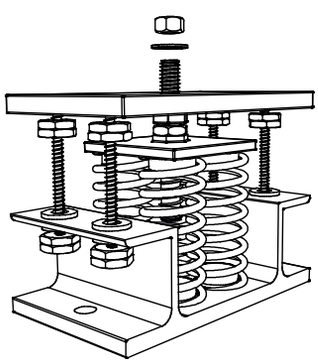
Compressor Enclosures

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.

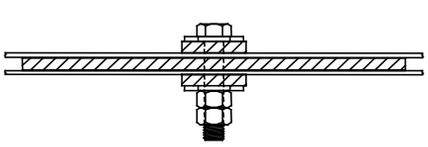
The isolators are suitable for fitting to structural steelwork providing the surface is level and of sufficient strength where a high level of vibration elimination is required.
The Spring vibration isolator requires an overall clearance of 162 mm (unloaded) with a loaded dimension (dependant on load) of 136 mm.



Anti Vibration Mounts (Pad Type)

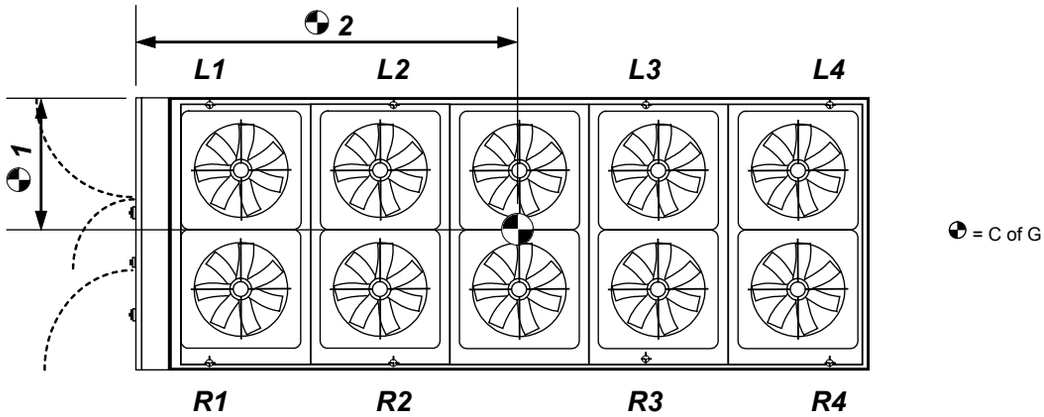
Pad vibration isolators can be supplied loose for on site fitting to the base frame of each unit.

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

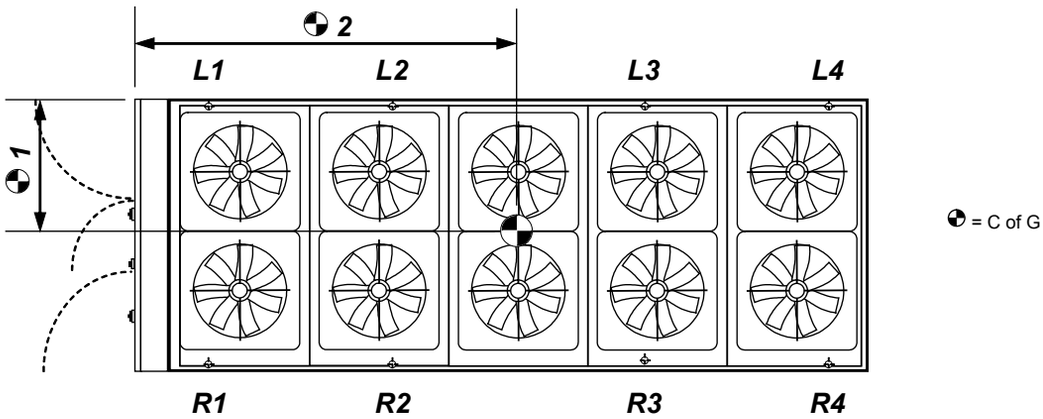


		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
1	DCF046DR-07DXY0	700	810	900					860	990	1100					995	2495
2	DCF048DR-07DPY0	670	805	915					795	960	1090					1010	2555
3	DCF051DR-08DPV0	715	825	920					845	980	1095					1010	2505
4	DCF053DR-08DYY0	745	830	905					910	1020	1105					995	2445
5	DCF049DR-09DXY0	730	720	710	700				850	835	825	810				1020	2780
6	DCF051DR-09DPY0	710	710	710	710				805	805	805	805				1035	2840
7	DCF053DR-10DPV0	730	730	730	730				825	825	825	825				1035	2840
8	DCF055DR-09DYV0	730	720	710	695				855	840	825	815				1020	2775
9	DCF055DR-10DYY0	750	740	730	715				875	860	845	830				1020	2780
10	DCF058DR-10DVV0	755	740	730	715				880	865	850	835				1020	2775
11	DCF062DR-10FVW0	770	755	745	735				900	885	875	860				1020	2780
12	DCF065DR-10FWW0	775	760	750	735				915	900	885	865				1015	2770
13	DCF069TR-10GPPY	780	805	830	855				905	940	965	995				1020	2955
14	DCF051DR-11DXY0	855	830	805	775				955	930	900	865				1040	3260
15	DCF053DR-11DPY0	835	820	805	785				910	895	880	860				1055	3320
16	DCF055DR-12DPV0	870	845	820	790				950	920	895	860				1055	3260
17	DCF057DR-12DYY0	895	860	825	780				1000	960	920	870				1040	3200
18	DCF058DR-11DYV0	860	835	810	775				965	935	905	870				1040	3255
19	DCF060DR-12DVV0	895	860	820	780				1000	965	920	875				1040	3195
20	DCF065DR-12FVW0	925	885	840	795				1025	980	935	880				1045	3175
21	DCF068DR-12FWW0	930	895	860	815				1070	1030	990	940				1025	3210
22	DCF074TR-11GPYY	915	920	920	925				1080	1085	1090	1095				1015	3425
23	DCF079TR-12GYYY	970	955	935	910				1170	1145	1125	1095				1005	3310
24	DCF059DR-13DYV0	785	750	715	750	655			870	835	795	835	725			1045	3645
25	DCF062DR-14DVV0	800	765	730	765	670			890	850	810	850	740			1045	3645
26	DCF066DR-14FVW0	825	790	755	790	685			900	860	820	860	745			1055	3640
27	DCF070DR-14FWW0	840	810	780	810	725			925	895	860	895	800			1050	3705

(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
28	DCF073TR-13GPPY	860	845	825	845	790			935	915	895	915	860			1055	3815
29	DCF078TR-14GPYY	880	865	845	865	810			975	955	935	955	900			1045	3830
30	DCF082TR-13HYYV	910	885	860	885	815			1015	985	960	985	905			1045	3770
31	DCF085TR-14HYVV	920	900	875	900	835			1025	1000	975	1000	930			1045	3790
32	DCF075TR-16GPPY	1005	955	905	955	830			1060	1010	955	1010	880			1070	4255
33	DCF082TR-15GYYY	1000	950	895	950	820			1105	1050	990	1050	905			1050	4230
34	DCF085TR-16HYYV	1045	990	935	990	855			1140	1080	1020	1080	930			1055	4225
35	DCF090TR-15HVVV	1020	975	925	975	855			1120	1065	1010	1065	935			1050	4275
36	DCF092TR-15HVVW	1025	980	930	980	860			1130	1080	1025	1080	945			1050	4280
37	DCF094TR-15HVWW	1030	980	930	980	860			1140	1090	1030	1090	955			1045	4275
38	DCF096TR-15HWWW	1030	985	930	985	855			1155	1100	1040	1100	960			1040	4260
39	DCF080TR-17GPYY	1105	1050	995	1050	890			1140	1085	1025	1085	920			1085	4600
40	DCF085TR-18GYYY	1145	1080	1005	1080	880			1200	1130	1055	1130	920			1075	4480
41	DCF088TR-17HYVV	1160	1095	1025	1095	905			1195	1125	1055	1125	930			1085	4520
42	DCF093TR-18HVVV	1190	1120	1040	1120	905			1225	1155	1075	1155	935			1085	4460
43	DCF095TR-18HVVW	1195	1120	1045	1120	910			1235	1165	1080	1165	940			1080	4465
44	DCF098TR-18HVWW	1195	1125	1045	1125	910			1250	1175	1090	1175	950			1075	4460
45	DCF100TR-18HWWW	1200	1125	1045	1125	905			1260	1185	1100	1185	950			1075	4445
46	DCF088TR-19HYYV	860	825	790	820	825	600	880	890	855	815	855	855	855	675	1080	4945
47	DCF090TR-20HYVV	875	840	800	835	840	610	900	900	865	825	865	865	865	690	1085	4975
48	DCF095TR-21HVVV	920	885	855	880	885	640	965	935	905	870	905	905	905	735	1090	5525
49	DCF098TR-21HVVW	920	890	855	880	890	640	965	945	910	880	910	910	910	740	1085	5520
50	DCF101TR-21HVWW	920	890	855	885	890	645	965	950	920	885	920	920	920	740	1080	5510
51	DCF103TR-21HWWW	925	890	855	885	890	645	965	960	925	890	925	925	925	745	1080	5495

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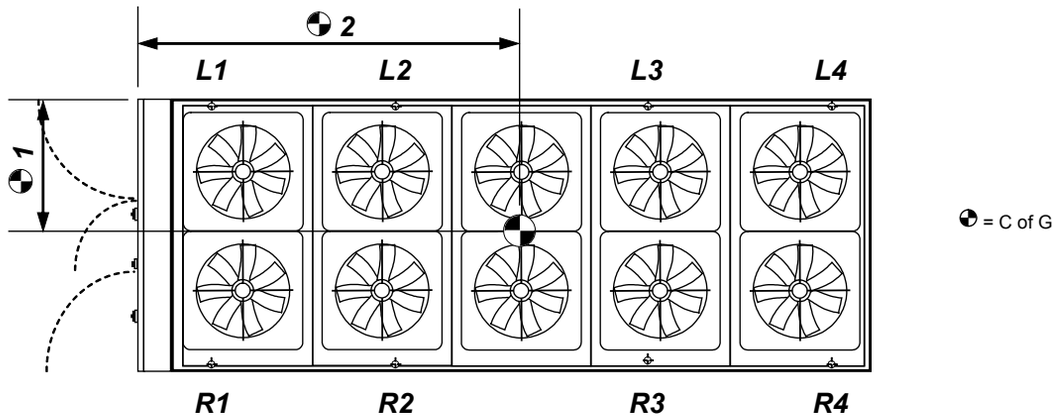
Installation Data

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	740	730	715	705				885	870	855	840				1010	2775
53	DCF049DX-09DPY0	720	720	715	715				840	835	835	835				1020	2830
54	DCF051DX-10DPV0	740	740	735	735				860	855	855	850				1020	2830
55	DCF053DX-10DYY0	760	745	735	720				910	890	875	860				1010	2770
56	DCF049DX-11DXY0	865	840	810	780				995	965	930	890				1030	3240
57	DCF051DX-11DPY0	845	830	810	790				950	930	910	885				1040	3300
58	DCF053DX-12DPV0	880	855	825	790				985	955	925	885				1040	3245
59	DCF055DX-11DYV0	865	840	810	775				1000	965	935	895				1025	3235
60	DCF055DX-12DYY0	900	865	825	780				1035	990	945	895				1030	3185
61	DCF058DX-12DVV0	905	870	830	780				1040	995	950	895				1030	3180
62	DCF062DX-12FVW0	935	895	850	795				1065	1015	965	905				1035	3160
63	DCF065DX-12FWW0	940	895	850	795				1080	1030	975	910				1030	3150
64	DCF050DX-13DXY0	790	755	720	755	655			895	855	815	855	740			1035	3630
65	DCF053DX-13DPY0	780	750	720	750	665			865	830	795	830	735			1045	3685
66	DCF055DX-14DPV0	795	765	735	765	680			880	845	810	845	750			1045	3690
67	DCF057DX-13DYV0	795	760	720	760	655			900	860	820	860	745			1035	3625
68	DCF057DX-14DYY0	810	775	740	775	670			915	875	835	875	755			1035	3630
69	DCF060DX-14DVV0	810	775	735	775	670			920	880	835	880	760			1035	3625
70	DCF064DX-14FVW0	835	800	760	800	685			930	885	840	885	765			1045	3620
71	DCF068DX-14FWW0	850	820	785	820	725			955	920	885	920	815			1040	3685

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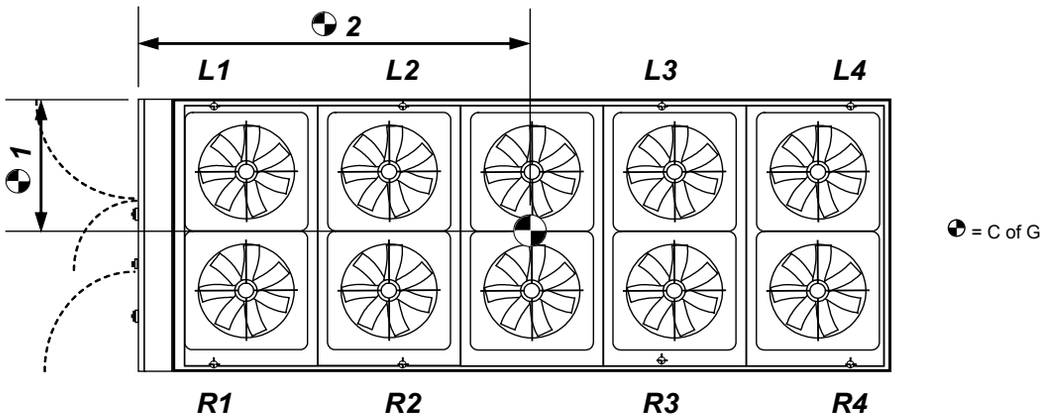
Installation Data

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
72	DCF069TX-13GPPY	875	855	835	855	795			980	960	935	960	895			1040	3800
73	DCF075TX-14GPYY	895	875	855	875	820			1020	1000	975	1000	935			1030	3810
74	DCF059DX-15DYV0	875	835	790	835	725			980	930	880	930	810			1040	4250
75	DCF061DX-16DVV0	905	855	800	855	725			1010	955	895	955	810			1040	4185
76	DCF066DX-16FVW0	930	875	820	875	740			1020	965	900	965	815			1050	4175
77	DCF069DX-16FWW0	970	915	855	915	770			1050	990	925	990	830			1060	4155
78	DCF073TX-16GPPY	1020	970	915	970	835			1110	1055	995	1055	910			1055	4230
79	DCF079TX-15GYYY	1015	960	905	960	820			1155	1090	1025	1090	935			1035	4205
80	DCF082TX-16HYYV	1060	1005	945	1005	860			1190	1125	1060	1125	960			1040	4200
81	DCF078TX-17GPYY	1120	1065	1000	1065	895			1190	1130	1060	1130	945			1070	4570
82	DCF082TX-18GYYY	1160	1090	1015	1090	880			1250	1175	1090	1175	950			1060	4450
83	DCF085TX-17HYVV	1175	1105	1035	1105	905			1245	1175	1095	1175	960			1070	4490
84	DCF089TX-18HVVV	1205	1130	1045	1130	905			1275	1195	1110	1195	960			1070	4435
85	DCF092TX-18HVVW	1210	1135	1055	1135	910			1290	1205	1120	1205	970			1065	4435
86	DCF094TX-18HVWW	1210	1135	1055	1135	910			1300	1220	1130	1220	975			1065	4430
87	DCF096TX-18HWWW	1215	1140	1055	1140	910			1310	1230	1140	1230	980			1060	4415
88	DCF074TX-19GPPY	835	800	765	795	800	575	865	875	840	800	840	840	840	670	1075	4980
89	DCF079TX-20GPYY	845	815	780	810	815	585	880	905	870	830	870	870	870	700	1065	4990
90	DCF085TX-19HYYV	875	835	795	830	835	610	880	925	885	845	885	885	885	695	1070	4910
91	DCF088TX-20HYVV	880	845	805	840	845	615	895	935	895	855	895	895	895	705	1070	4935
92	DCF084TX-21GYYY	900	865	835	860	865	625	940	955	920	885	920	920	920	740	1070	5500
93	DCF087TX-22HYYV	940	905	870	900	905	660	960	980	945	905	945	945	945	745	1075	5425
94	DCF092TX-21HVVV	930	895	860	890	895	650	960	970	935	900	935	935	935	750	1075	5475
95	DCF095TX-21HVVW	930	900	860	890	900	650	965	980	945	905	945	945	945	755	1075	5475
96	DCF097TX-21HVWW	935	900	865	890	900	650	965	985	950	915	950	950	950	755	1070	5465
97	DCF099TX-21HWWW	935	900	865	895	900	655	960	995	960	920	960	960	960	760	1065	5450

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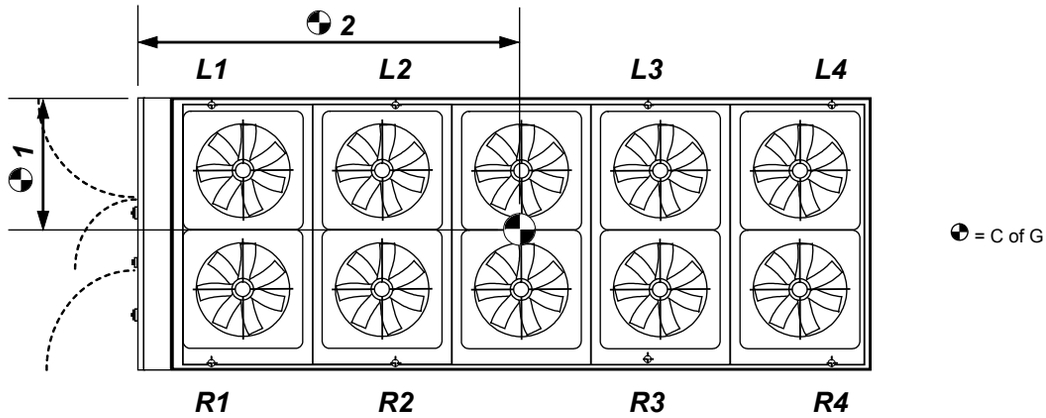
Installation Data

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	510	575	630					700	790	870					935	2460
99	DCC049DR-08EYY0	540	580	615					770	830	880					915	2385
100	DCC049DR-10EPV0	510	500	490	480				675	660	650	640				955	2775
101	DCC051DR-10EYY0	530	505	490	470				725	695	675	645				935	2695
102	DCC052DR-09DYV0	535	515	500	475				730	700	675	645				940	2695
103	DCC056DR-10DVV0	540	520	500	480				735	705	680	650				940	2690
104	DCC058DR-10DVW0	540	520	505	480				745	715	695	665				935	2695
105	DCC061DR-10DWW0	545	520	505	480				765	730	705	670				925	2680
106	DCC065TR-10GPPY	570	590	605	620				745	770	785	810				960	2945
107	DCC050DR-12EPV0	595	580	565	545				760	740	720	700				970	3280
108	DCC052DR-12EYY0	610	590	565	535				805	775	745	705				955	3200
109	DCC054DR-11DYV0	615	595	570	545				805	775	750	715				960	3230
110	DCC058DR-12DVV0	625	600	575	540				820	785	755	710				955	3190
111	DCC060DR-12DVW0	625	600	575	545				830	800	765	725				950	3195
112	DCC063DR-12DWW0	630	605	575	540				850	815	775	730				945	3175
113	DCC069TR-11GPYY	650	650	655	655				885	890	890	895				935	3420
114	DCC074TR-12GYYY	685	675	660	645				960	940	920	900				925	3310
115	DCC056DR-13DYV0	555	530	505	530	460			710	675	645	675	585			975	3635
116	DCC059DR-14DVV0	560	535	510	535	460			715	685	650	685	590			970	3625
117	DCC061DR-14DVW0	560	535	510	535	460			725	695	660	695	595			965	3625
118	DCC065DR-14DWW0	565	540	510	540	460			740	705	665	705	600			960	3605
119	DCC068TR-13GPPY	600	585	570	585	540			765	745	725	745	685			975	3770
120	DCC072TR-14GPYY	610	595	580	595	545			800	775	755	775	715			960	3770
121	DCC077TR-13GYYV	635	610	585	610	535			840	805	770	805	705			955	3660
122	DCC080TR-14GYVV	640	615	590	615	540			845	815	780	815	715			955	3670
123	DCC070TR-16GPPY	675	635	590	635	535			855	805	750	805	675			975	4155
124	DCC077TR-15GYYY	715	665	610	665	535			935	870	800	870	695			960	4030

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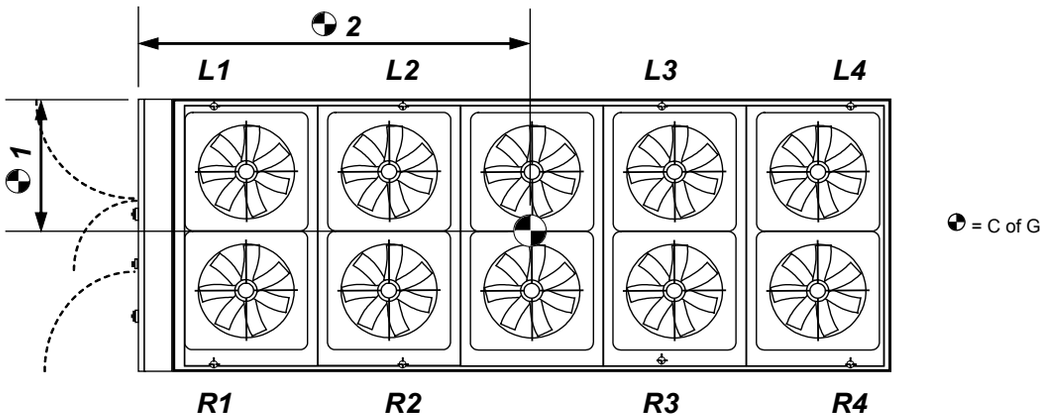
Installation Data

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
125	DCC080TR-16GYYV	725	675	615	675	535			950	880	805	880	695			960	4000
126	DCC083TR-15GVVV	715	665	610	665	530			940	870	800	870	695			960	4020
127	DCC086TR-15GVVW	720	670	610	670	535			950	885	810	885	710			955	4025
128	DCC088TR-15GVWW	720	670	615	670	535			965	895	820	895	715			950	4020
129	DCC091TR-15GWWW	725	670	615	670	535			975	905	825	905	720			945	4005
130	DCC074TR-17GPYY	745	700	650	700	560			945	885	825	885	710			975	4440
131	DCC079TR-18GYYY	770	715	655	715	550			995	925	845	925	710			965	4320
132	DCC082TR-17GYVV	760	705	650	705	550			985	915	845	915	715			965	4345
133	DCC085TR-18GVVV	770	715	655	715	550			1000	925	850	925	715			965	4310
134	DCC088TR-18GVVW	775	720	660	720	550			1010	940	860	940	720			960	4315
135	DCC091TR-18GVWW	775	720	660	720	555			1025	950	870	950	730			955	4310
136	DCC094TR-18GWWW	780	720	660	720	550			1035	960	875	960	730			950	4290
137	DCC082TR-19GYYV	565	530	495	525	530	450	455	730	690	645	690	690	690	485	965	4610
138	DCC084TR-20GYVV	565	535	500	530	535	450	460	735	695	650	695	695	695	495	965	4630
139	DCC087TR-21GVVV	595	565	530	560	565	475	480	765	725	685	725	725	725	510	965	5055
140	DCC090TR-21GVVW	595	565	530	560	565	480	485	775	735	690	735	735	735	515	960	5050
141	DCC093TR-21GVWW	600	565	535	560	565	480	485	785	740	700	740	740	740	520	960	5040
142	DCC096TR-21GWWW	600	570	535	560	570	480	485	790	750	705	750	750	750	520	955	5020
143	DCC048DX-10EPV0	515	505	495	485				710	695	680	670				935	2765
144	DCC049DX-10EYY0	535	515	495	475				760	730	705	675				920	2690
145	DCC049DX-12EPV0	605	585	570	545				800	775	750	725				955	3255
146	DCC051DX-12EYY0	625	595	570	535				845	810	775	730				940	3180
147	DCC053DX-11DYV0	625	600	575	550				845	815	780	740				945	3210
148	DCC056DX-12DVV0	635	605	580	545				860	820	785	735				940	3170
149	DCC058DX-12DVW0	635	610	580	545				870	835	795	750				935	3175
150	DCC061DX-12DWW0	640	610	580	545				890	850	805	755				930	3155
151	DCC050DX-14EPV0	545	525	505	525	465			700	675	645	675	600			970	3690

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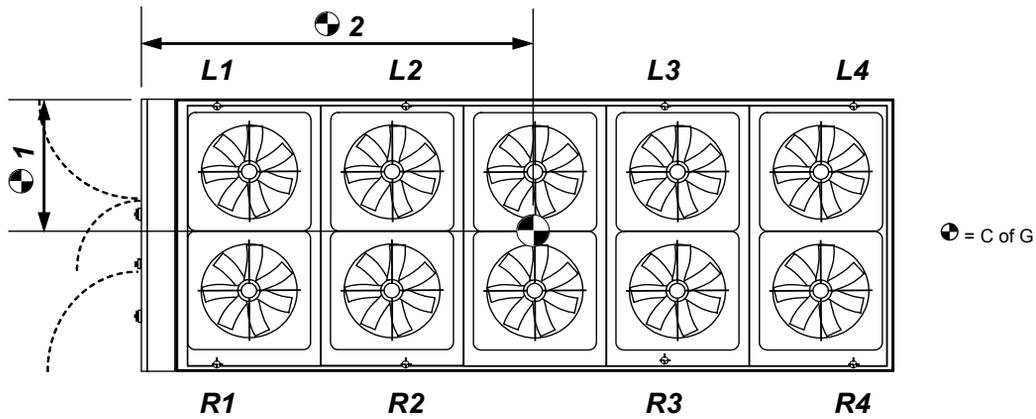
Installation Data

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



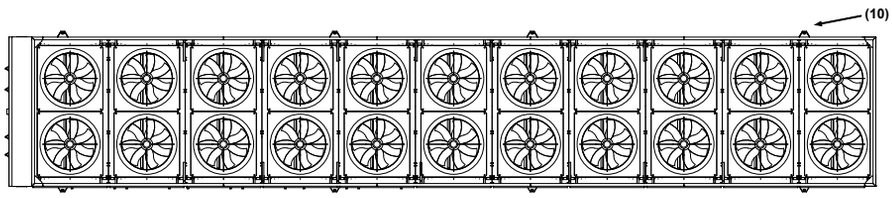
		Point loads															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
152	DCC052DX-14EYY0	560	530	505	530	455			735	700	665	700	600			955	3610
153	DCC054DX-13DYV0	565	540	510	540	460			740	705	670	705	605			960	3605
154	DCC057DX-14DVV0	570	540	510	540	460			745	710	675	710	605			955	3595
155	DCC060DX-14DVW0	570	545	515	545	460			760	720	685	720	615			950	3595
156	DCC063DX-14DWW0	575	545	515	545	460			770	730	690	730	620			945	3575
157	DCC066TX-13GPPY	615	595	580	595	545			815	790	765	790	720			955	3750
158	DCC070TX-14GPYY	625	605	585	605	555			845	820	795	820	750			940	3755
159	DCC055DX-15DYV0	625	580	530	580	465			805	750	690	750	600			965	4035
160	DCC059DX-16DVV0	630	585	530	585	460			820	755	690	755	600			965	3990
161	DCC061DX-16DVW0	635	585	535	585	460			830	765	700	765	605			960	3985
162	DCC065DX-16DWW0	635	585	535	585	460			845	780	710	780	610			955	3965
163	DCC068TX-16GPPY	690	645	600	645	535			905	850	790	850	705			955	4125
164	DCC075TX-15GYYY	700	650	600	650	525			965	895	825	895	725			930	4050
165	DCC077TX-16GYYV	710	655	600	655	525			975	905	830	905	725			935	4020
166	DCC072TX-17GPYY	760	710	660	710	565			995	930	860	930	740			960	4400
167	DCC077TX-18GYYY	785	730	665	730	555			1050	970	885	970	740			950	4285
168	DCC080TX-17GYVV	775	720	660	720	550			1040	965	885	965	740			945	4310
169	DCC083TX-18GVVV	785	725	665	725	550			1050	975	890	975	740			950	4280
170	DCC086TX-18GVVW	790	730	665	730	555			1065	985	900	985	750			945	4280
171	DCC088TX-18GVWW	790	730	665	730	555			1075	995	910	995	755			940	4275
172	DCC091TX-18GWWW	795	735	670	735	555			1090	1005	915	1005	760			935	4260
173	DCC070TX-19GPPY	560	530	500	525	530	445	470	720	680	640	680	680	680	495	970	4680
174	DCC074TX-20GPYY	570	535	505	535	535	455	470	745	705	660	705	705	705	510	960	4680
175	DCC079TX-21GYYY	605	570	540	565	570	485	485	800	755	710	755	755	755	525	955	5010
176	DCC080TX-19GYYV	570	540	500	535	540	455	460	765	720	670	720	720	720	505	945	4570
177	DCC081TX-22GYYV	610	580	540	570	580	490	485	810	765	715	765	765	765	520	955	4980
178	DCC082TX-20GYVV	575	540	505	535	540	460	465	770	725	675	725	725	725	510	950	4585
179	DCC085TX-21GVVV	605	570	535	565	570	485	480	805	760	715	760	760	760	525	950	5000
180	DCC088TX-21GVVW	605	575	540	570	575	485	485	810	770	720	770	770	770	530	945	5000
181	DCC091TX-21GVWW	610	575	540	570	575	485	485	820	775	730	775	775	775	530	945	4990
182	DCC094TX-21GWWW	610	575	540	570	575	485	485	830	785	735	785	785	785	535	940	4970

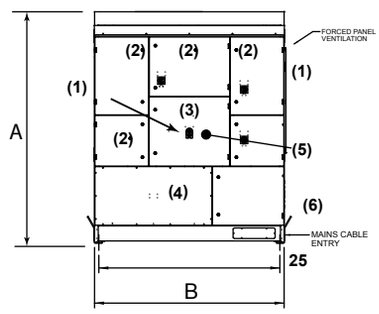
(1) Point load numbering starts from the control panel end of the chiller. Illustration above is for a 8 mount configuration
(2) Point loads indicated are for standard unit only

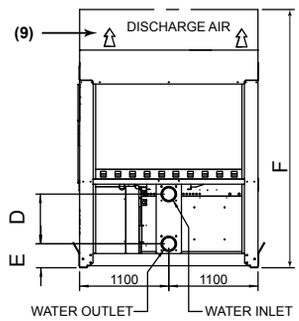
Installation Data

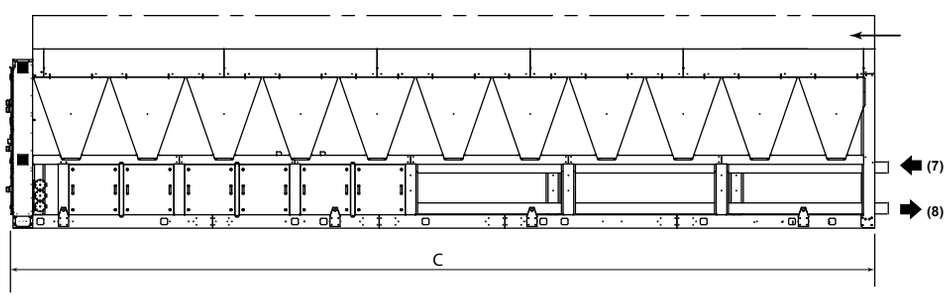
Dimensions

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”

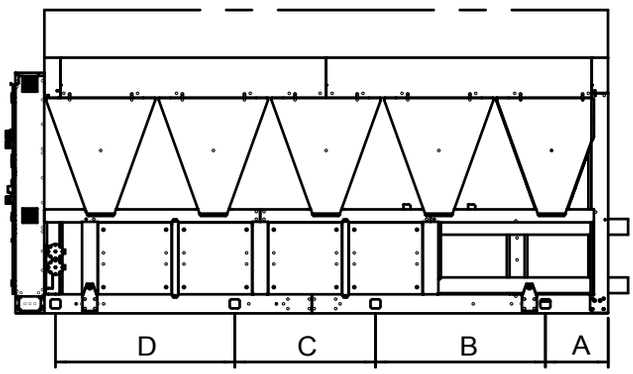
		A	B	C	D	E	F
8 Fan Case	mm	2682	2200	4846	550	206	3182
10 Fan Case	mm	2682	2200	5978	550	206	3182
12 Fan Case	mm	2682	2200	7110	550	206	3182
14 Fan Case	mm	2682	2200	8242	550	206	3182
16 Fan Case	mm	2682	2200	9374	550	206	3182
18 Fan Case	mm	2682	2200	10506	550	206	3182
20 Fan Case	mm	2682	2200	11638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

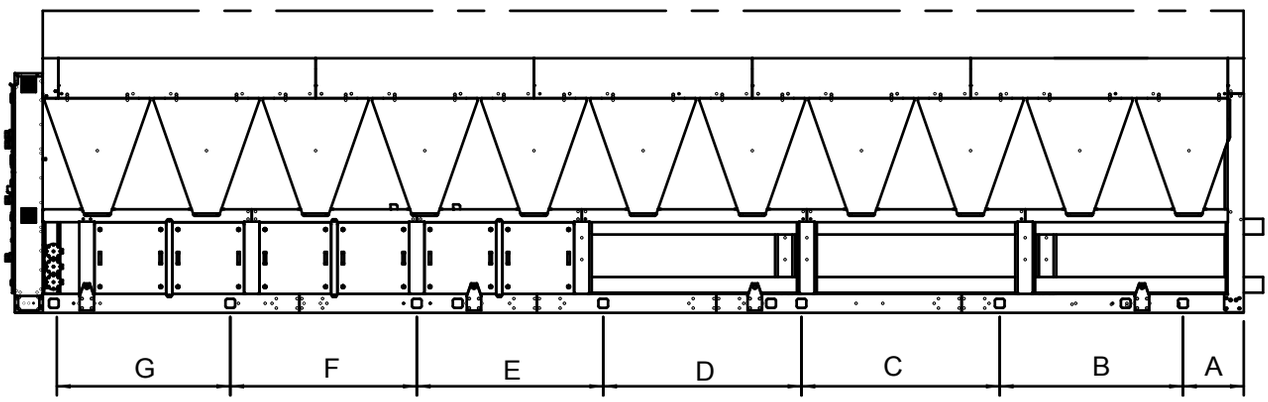
Installation Data Uni

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

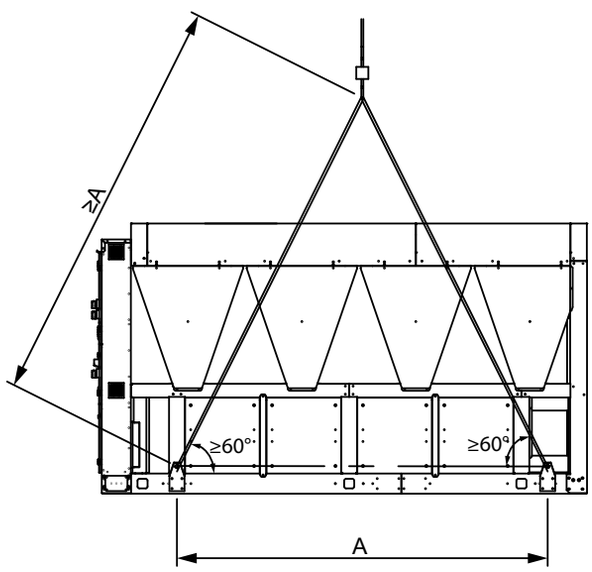
Unit Lifting

- 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

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

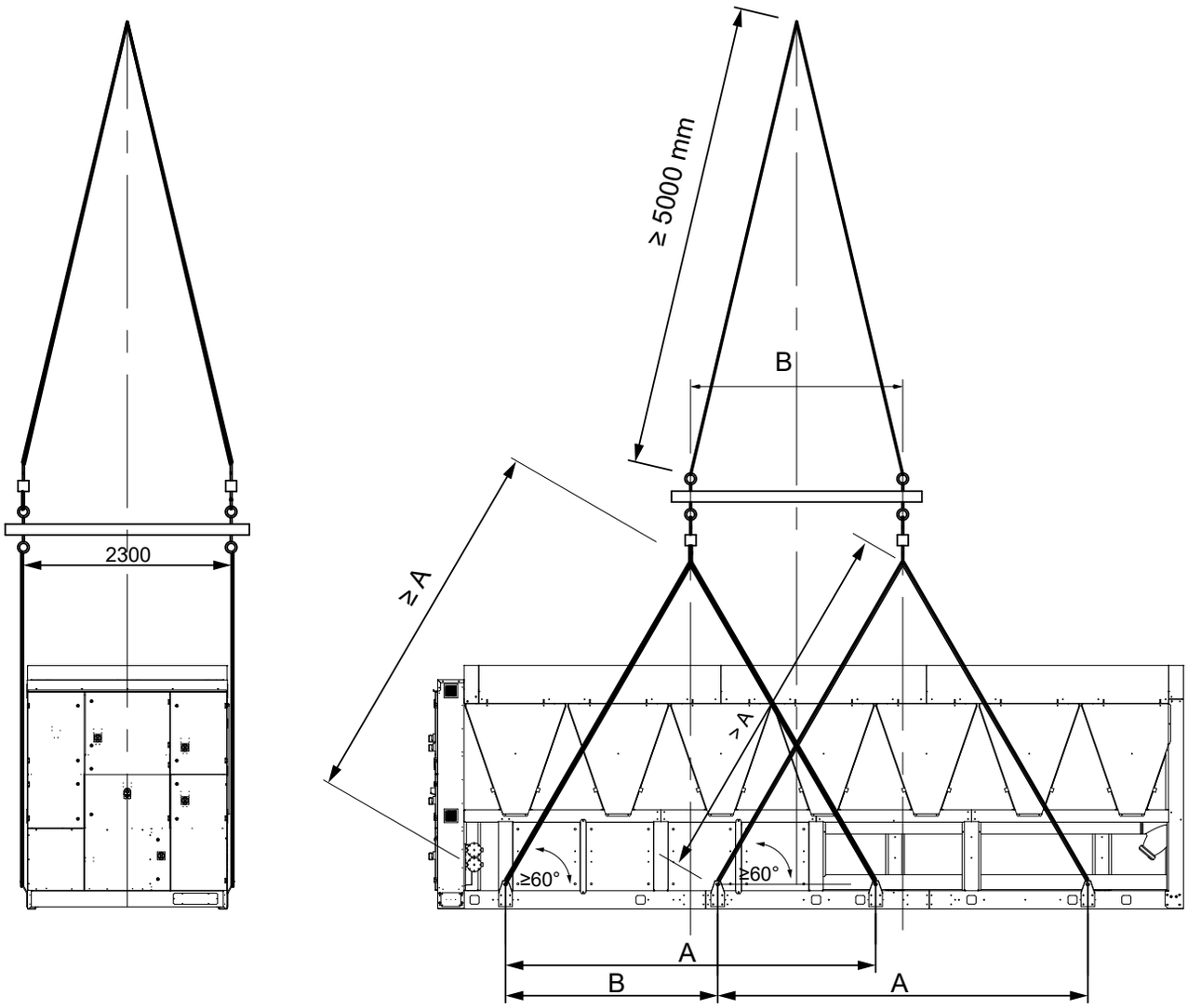
Chains/slings MUST NOT interfere with the casing or fan assembly to avoid damage.
Lift the unit slowly and evenly.
If the unit is dropped, it should immediately be checked for damage and reported to Airedale.

Lifting Dimensions



Number of Fans	Lifting Lug Size	Dimensions A (mm)
7 / 8 Fan Unit	35	3680
9 / 10 Fan Unit	35	4415
11 / 12 Fan Unit	35	3145
13 / 14 Fan Unit	35	4077
15 / 16 Fan Unit	35	4750
17 / 18 Fan Unit	35	5730
19 / 20 Fan Unit	35	6660
21 / 22 Fan Unit	35	6930

Installation Data
Lifting Dimensions



Number of Fans	Lifting Lug Size	Dimension A (mm)	Dimension B (mm)
7 / 8 Fan Unit	35	3680	N/A
9 / 10 Fan Unit	35	4415	N/A
11 / 12 Fan Unit	35	3145	2340
13 / 14 Fan Unit	35	4077	2340
15 / 16 Fan Unit	35	4750	2800
17 / 18 Fan Unit	35	5730	2950
19 / 20 Fan Unit	35	6660	3150
21 / 22 Fan Unit	35	6930	4000

Installation Data

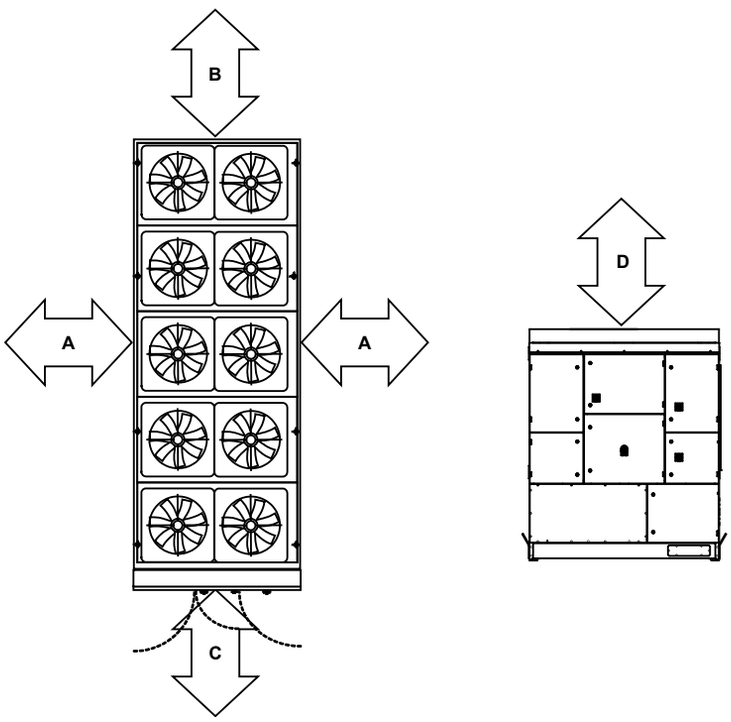
Positioning

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.

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

Airflow & Maintenance Clearances



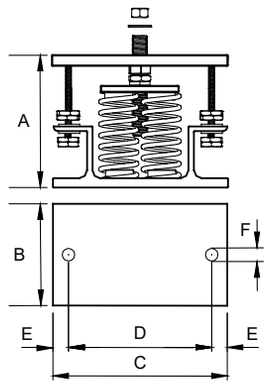
Application	Distance from Overall Base Dimension (mm)			
	A	B	C	D
Free of walls and overhang	1300	1300	1300	1300
Enclosed to A	2600	1300	1300	1300
Unit parallel with A	2600	1300	1300	1300
Enclosed to B	1300	2600	1300	1300
Unit in line with B	1300	1300	1300	1300
Unit in line with C Controls End	1300	1300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



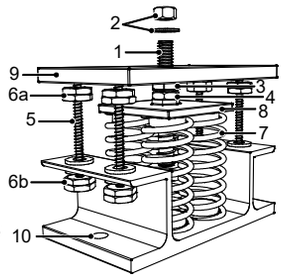
Dimensions

	A(1)	B	C	D	E	F
	162	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.

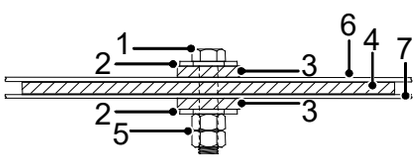
Beginning with the mount with the largest deflection adjust the height of each mount using the levelling screw (3).

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) Lock all retaining nuts (6a and 6b) to the extreme ends of the retaining studs (5) Do not connect any services until all anti vibration mounts have been fully adjusted.

Pad Type

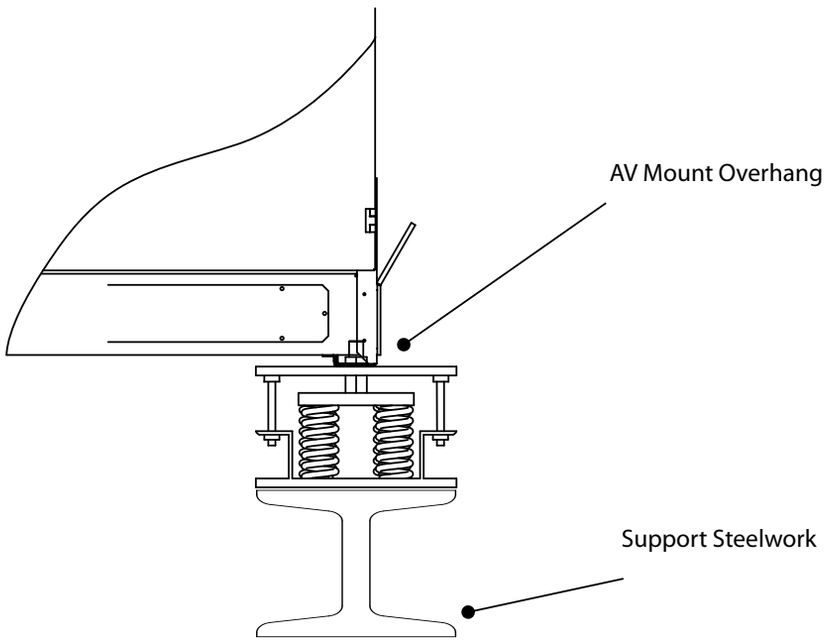
Components/Installation

1. M16 Bolt (Not Supplied)
2. Washer (Not Supplied)
3. Fixing Pad 6173231
4. A V Pad 6173223



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

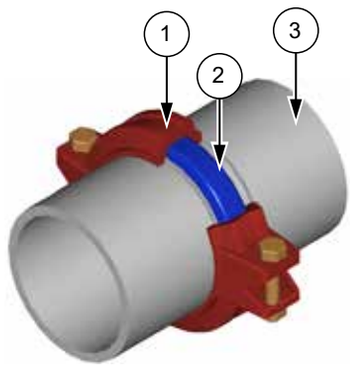
Chilled water pipe work and ancillary components must be installed in accordance with:

- 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

IMPORTANT ⚠	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

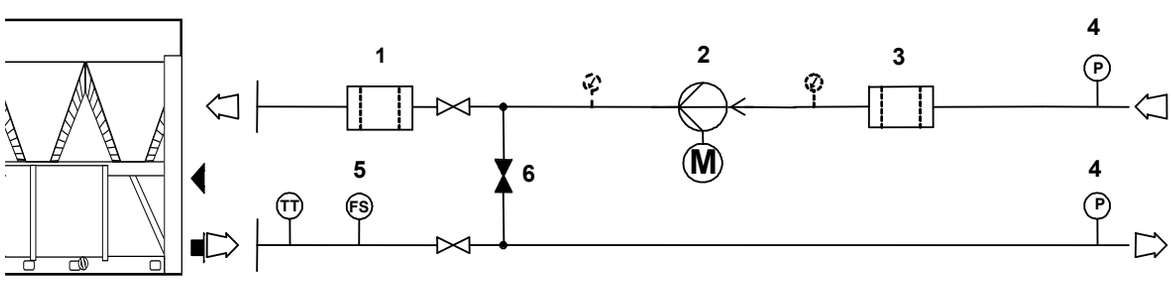
The following diagram illustrates the minimum component installation requirements. A wide range of optional extras are available to suit various applications.

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 ⚠	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.

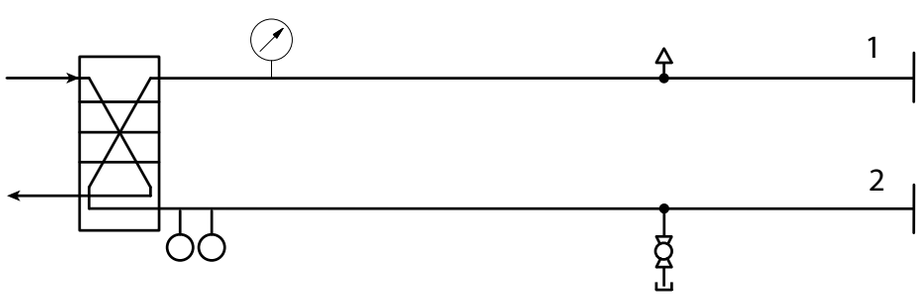
Do not rely solely on the BMS to protect the chiller against low flow conditions.
An evaporator pump interlock and flow switch MUST be directly wired to the Chiller, refer to ***Interconnecting Wiring***.

Flow Schemes

1 Water In 2 Water Out

Basic Supplied Water Schematic

(Includes Flow Proving Device)

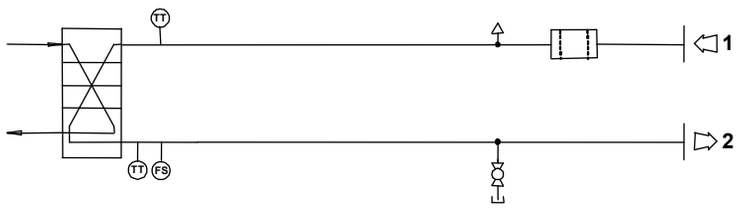


Installation Data

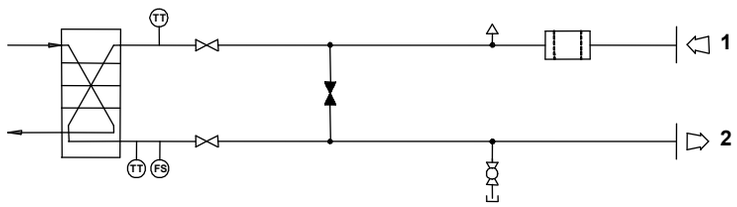
Optional Flow Schemes

Key: 1 Water In
2 Water Out

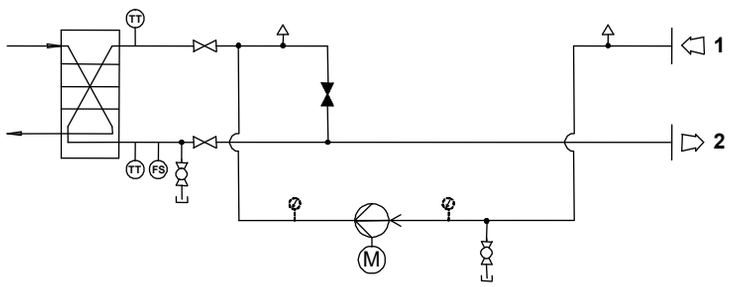
Filter Only Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter



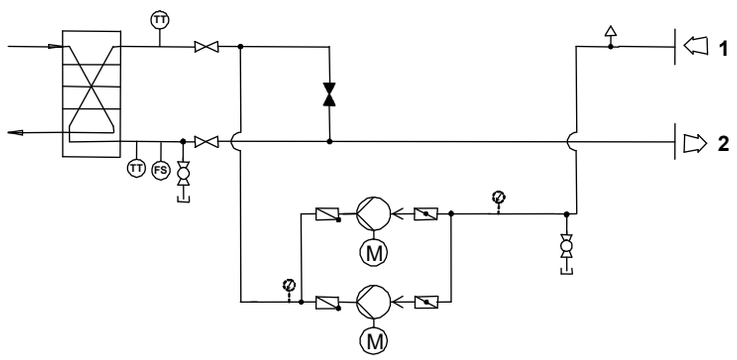
Filter - Flushing Bypass Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter
- Flushing Bypass Circuit



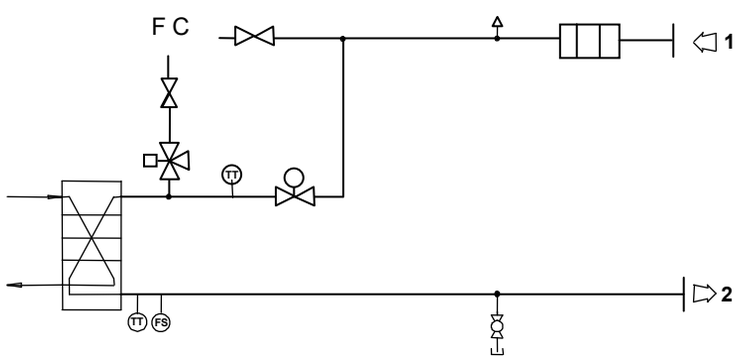
Single Head Pump Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter (supplied loose)
- Flushing Bypass Circuit
- Single Head Pump



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

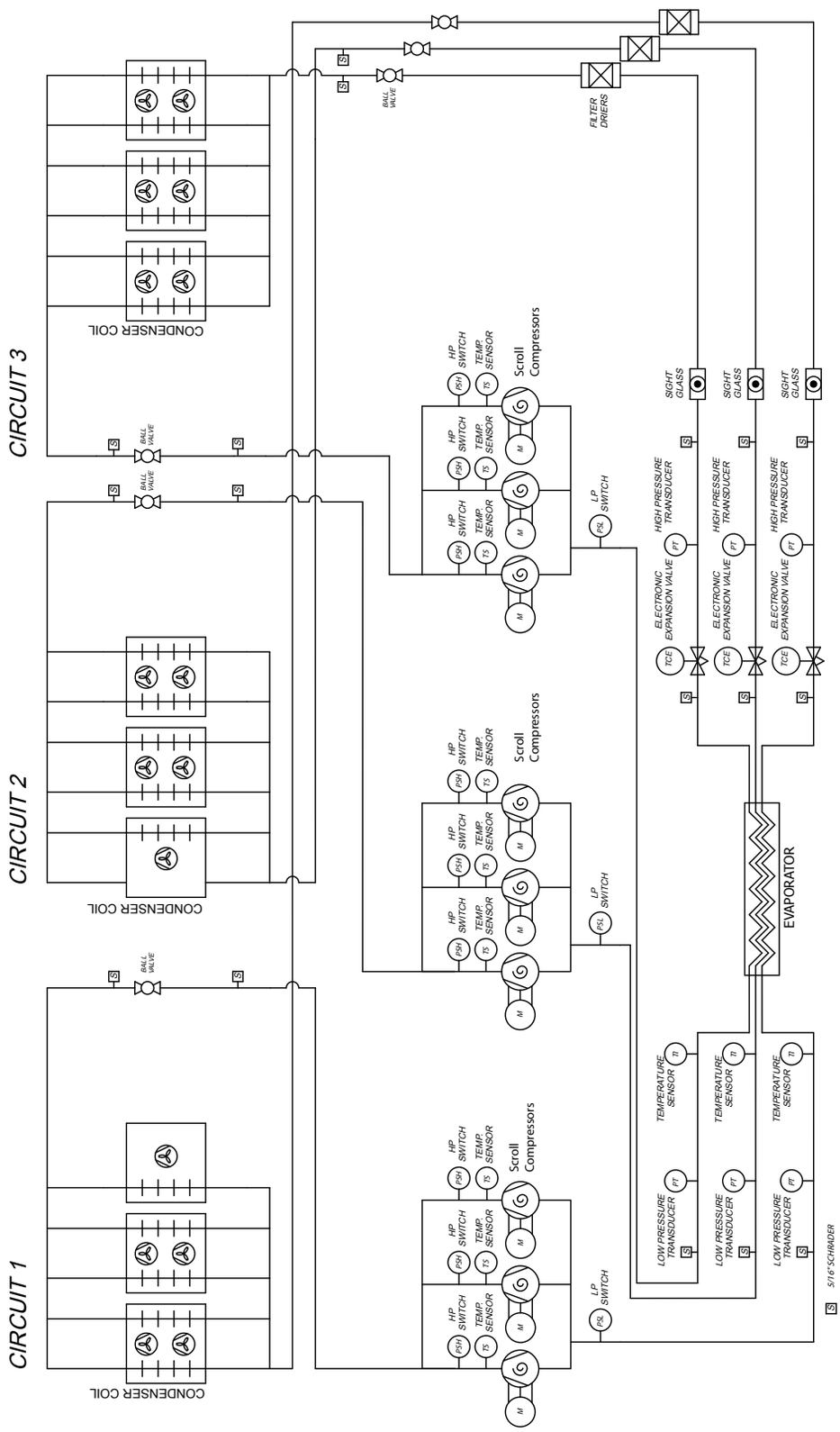


Standard Free Cool Circuit Incorporating
- Double Regulating Valve
- Mixing Valve
- 20 Mesh Water Filter (supplied loose)



The 20 Mesh water filter is supplied loose when

Installation Data
Refrigeration Schematic



Schematic shows a triple Circuit machine

Installation Data

Electrical

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.

IMPORTANT ⚠	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

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

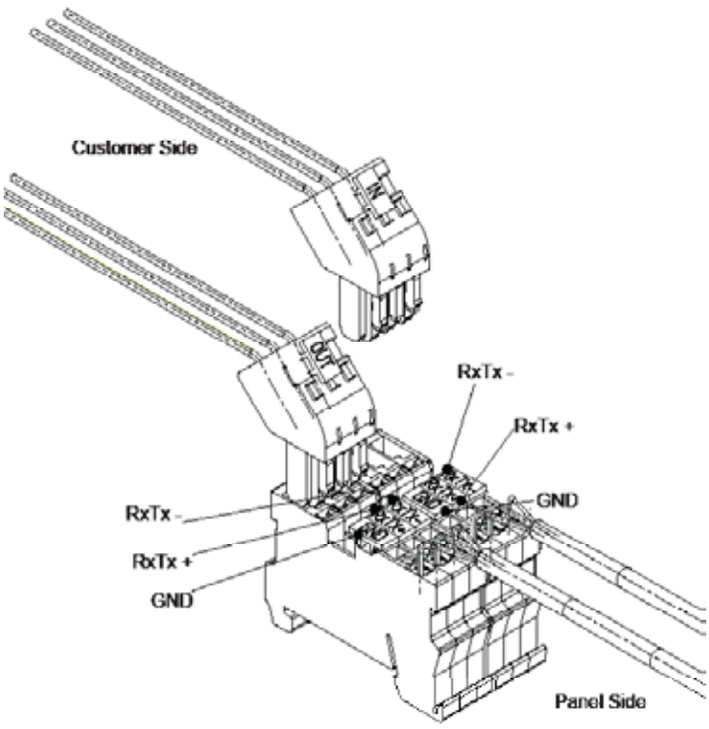
	L1	○	←		Mains incoming supply 400V/3PH/50Hz
	L2	○	←		
	L3	○	←		
	PE	○	←		
	L4	○	←		Separate Permanent Supply 230V/1PH/50Hz
	N1	○	←	(1)	
	PE	○	←		
	L4	○	→		External Trace Heating Connections
	N1	○	→		240V/500W max
	502	○	→		Unit Remote On/Off 24VAC
	505	○	←		
	500	○	→	(1)	**Evaporator Water Flow Switch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

CAUTION

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

pLAN Termination

⚠ The plugged termination ensures that the connections are made simultaneously. Failure to attach the cables this way may cause damage to the controller.



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: 2009. 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: 2009.

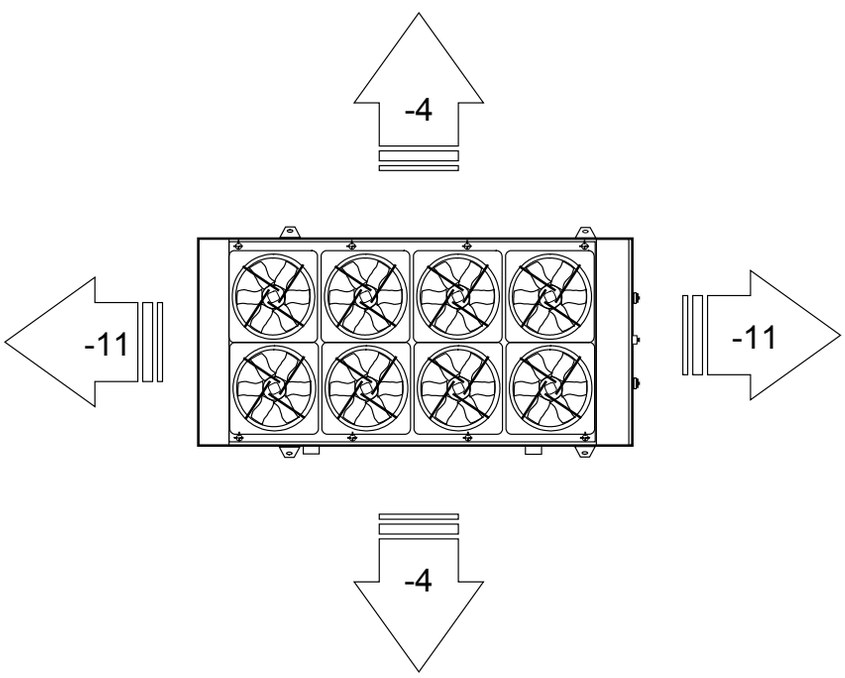
Sound Pressure Levels are calculated from sound power using the expanded parallelepiped method according to BS EN ISO 11203: 2009.
Resultant performance figures obtained from test will be proven to not differ from the claimed figures by more than the allowable deviations specified in table 7 of section VII of Eurovent RS 6/C/003-2016 (A-weighted sound power; +3dBA).

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

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%

$$= \text{Vmin} = \frac{478 \times 60}{4.19 \times 5} \times 2 \times \frac{(478 \times 0.16)}{191.2} \times 1.2 = 1314.2 \text{ Litres}$$

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)

$$\text{Vmin} = \frac{\frac{478 \times 3600}{4.19 \times 5} \times 0.16 \times 1.2}{12} = 1314.2 \text{ Litres}$$

Technical Data DCF

Cooling Performance Free Cool

The free cool 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

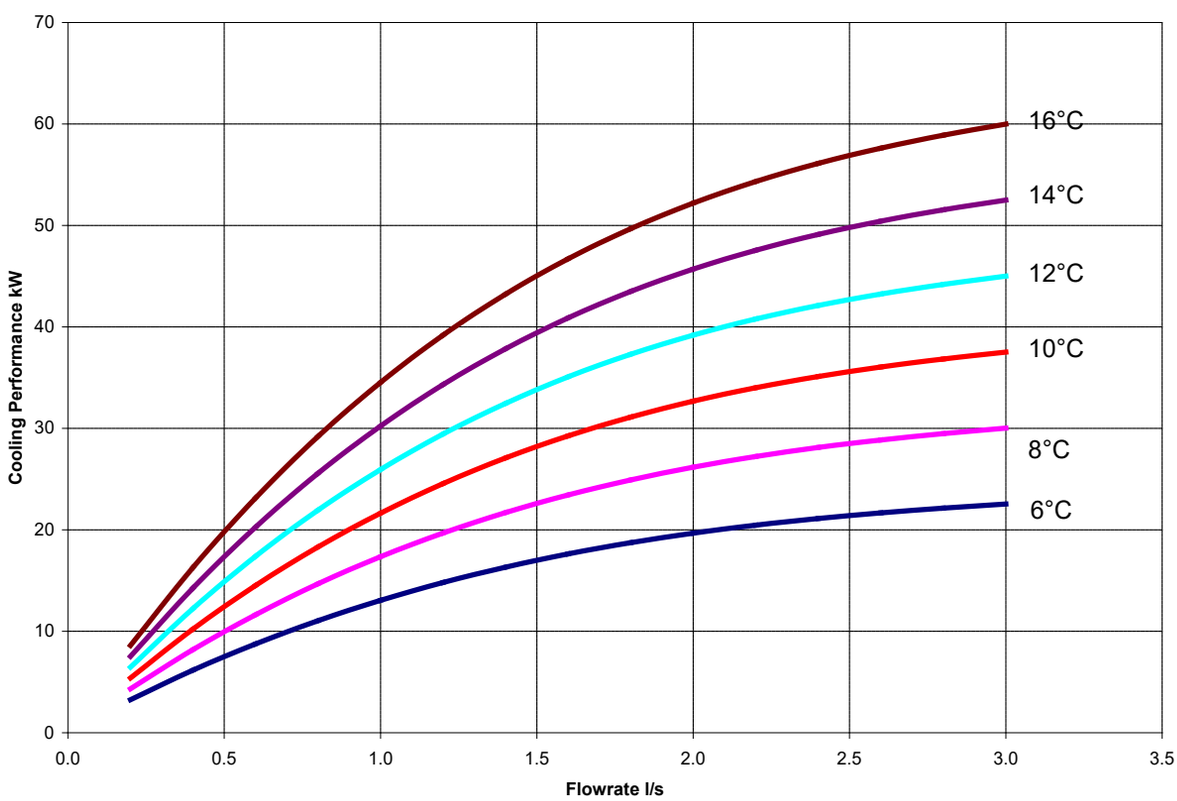
Return water temperature 14°C
Temperature difference from ambient to return water temperature 10 K
Therefore ambient 4°C

DCF047DX-09DXY0 chiller having 9 fans equates to

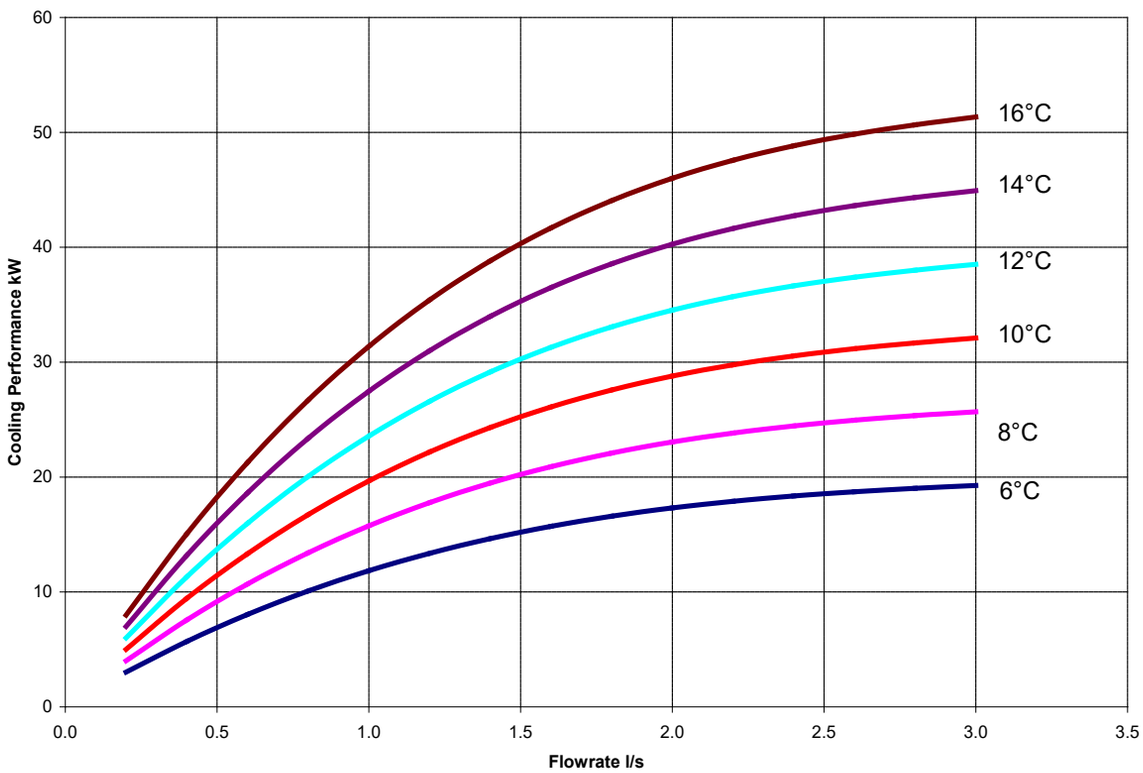
Cooling capacity	39kW x 9	=	351kW*
Flowrate	1.5 l/s x 9	=	13.5 l/s*

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

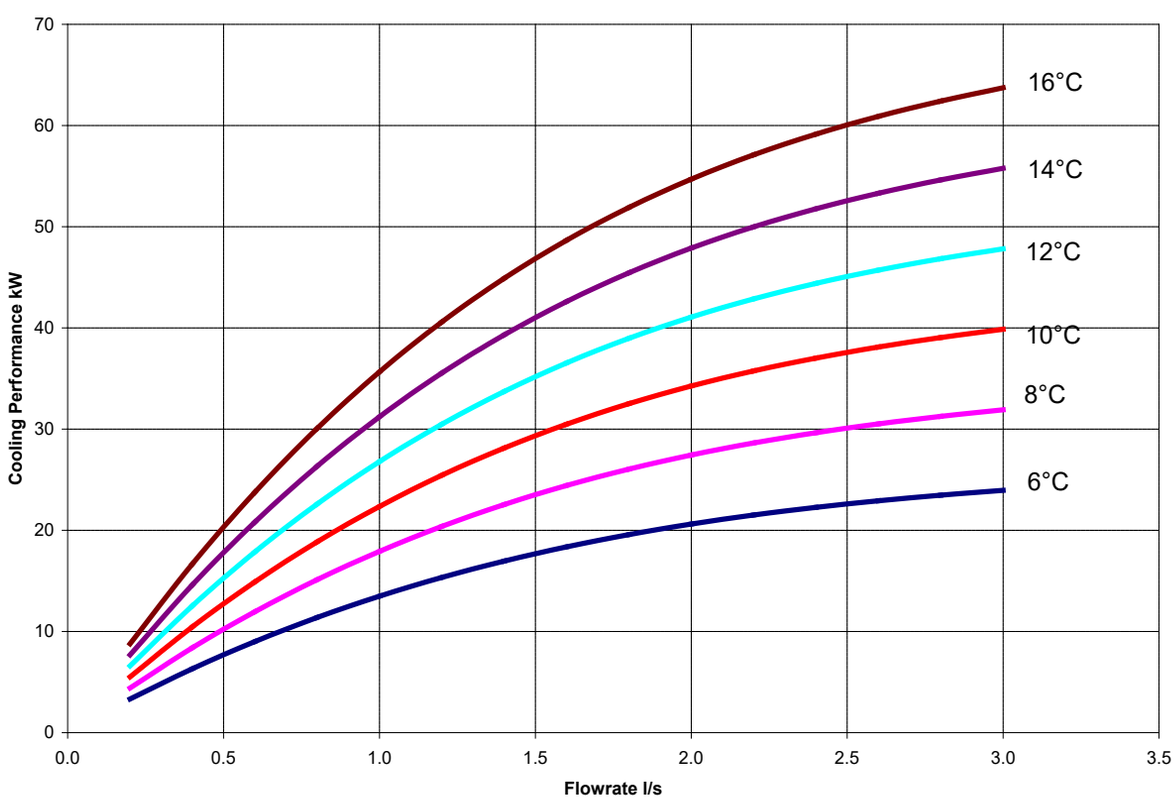
AC Fans Regular Quiet



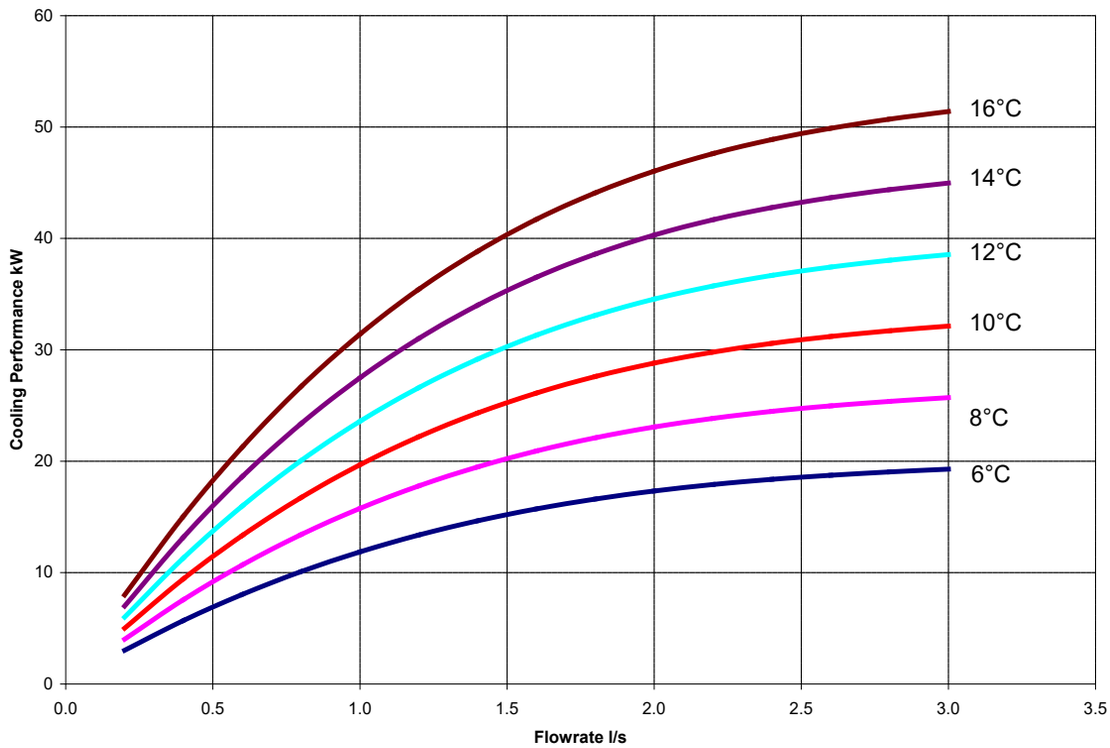
AC Fans Extra Quiet



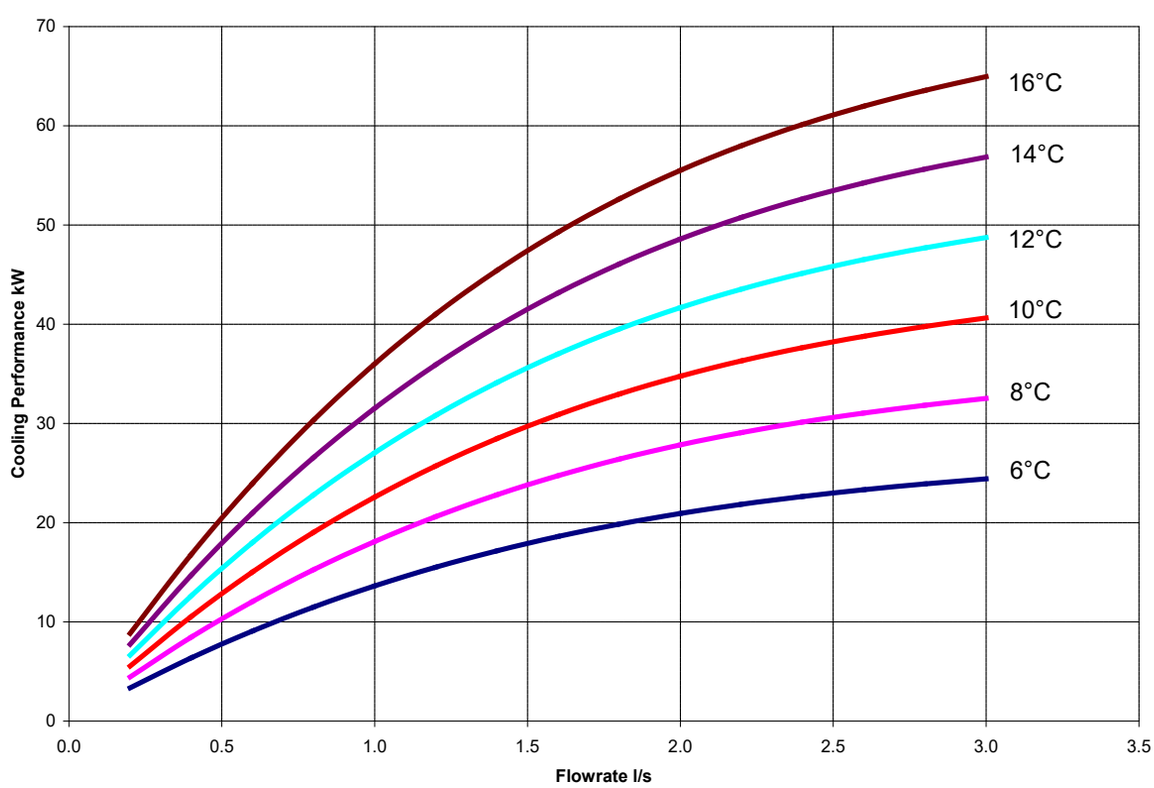
EC Fans Regular Quiet



EC Fans Extra Quiet



EC Fans High Airflow



DCF Performance Data EC 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
1	DCF046DR-07DXY0	6	474.5	137.6	447.7	150.5	418.3	165.4	386.8	182.0
		7	488.0	138.7	460.4	151.6	430.2	166.5	397.9	183.1
		8	501.7	139.7	473.3	152.7	442.2	167.6	409.0	184.2
		10	529.5	141.9	499.6	155.0	466.8	170.0	431.9	186.6
		12	557.9	144.3	526.4	157.4	492.0	172.5	455.5	189.1
		14	586.8	146.7	553.7	160.0	517.8	175.1	479.7	191.7
2	DCF048DR-07DPY0	6	491.3	142.0	463.1	155.3	432.4	170.6	399.6	187.5
		7	505.1	143.1	476.1	156.5	444.5	171.8	410.9	188.7
		8	519.1	144.2	489.3	157.7	456.8	173.0	422.3	189.9
		10	547.6	146.6	516.1	160.1	481.9	175.5	445.6	192.3
		12	576.6	149.1	543.5	162.7	507.6	178.1	469.6	194.9
		14	606.2	151.7	571.5	165.4	533.9	180.8	494.2	197.7
3	DCF051DR-08DPV0	6	513.8	143.6	486.5	157.9	455.8	174.1	421.6	191.7
		7	528.7	144.7	500.7	159.1	468.8	175.2	433.7	192.8
		8	543.8	145.9	515.1	160.3	482.1	176.3	446.0	194.0
		10	574.6	148.4	544.4	162.8	509.1	178.7	471.2	196.3
		12	606.0	151.0	573.8	165.3	536.7	181.2	497.1	198.8
		14	638.1	153.7	603.7	167.9	564.9	183.8	523.6	201.4
4	DCF053DR-08DYY0	6	534.3	155.9	504.8	170.5	472.4	187.1	437.7	205.5
		7	549.5	157.0	519.1	171.7	485.8	188.4	450.1	206.8
		8	564.9	158.2	533.6	172.9	499.4	189.6	462.7	208.0
		10	596.2	160.7	563.2	175.5	527.1	192.2	488.6	210.6
		12	628.2	163.3	593.4	178.1	555.5	194.9	515.2	213.3
		14	660.7	166.0	624.3	180.9	584.6	197.7	542.5	216.1
5	DCF049DR-09DXY0	6	485.8	130.4	462.0	143.6	435.7	158.6	406.9	175.4
		7	500.3	131.4	475.9	144.6	448.9	159.6	419.1	176.3
		8	514.8	132.4	490.1	145.7	462.4	160.7	431.3	177.2
		10	545.0	134.6	519.0	147.9	490.0	162.9	456.4	179.1
		12	575.9	136.8	548.7	150.1	518.1	165.1	482.2	181.1
		14	607.5	139.2	579.3	152.5	546.4	167.3	508.7	183.2
6	DCF051DR-09DPY0	6	504.6	134.5	480.0	148.2	452.5	163.6	421.5	180.3
		7	519.6	135.6	494.3	149.3	466.2	164.7	433.9	181.3
		8	534.8	136.7	508.9	150.4	479.9	165.8	446.4	182.2
		10	565.8	139.0	538.7	152.7	507.9	168.0	472.1	184.2
		12	597.7	141.4	569.4	155.1	536.1	170.1	498.5	186.3
		14	630.4	143.9	600.8	157.6	564.9	172.2	525.6	188.5
7	DCF053DR-10DPV0	6	526.2	136.8	500.2	150.9	471.6	167.0	439.5	184.8
		7	541.9	137.9	515.2	152.0	485.9	168.1	452.7	185.8
		8	557.8	139.0	530.8	153.1	500.4	169.2	466.3	186.8
		10	589.8	141.2	561.9	155.4	529.8	171.3	493.9	189.0
		12	623.6	143.7	594.0	157.8	560.0	173.6	522.5	191.2
		14	657.7	146.2	626.9	160.3	590.9	175.9	551.9	193.6

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

			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
8	DCF055DR-09DYV0	6	556.4	157.5	527.7	173.0	495.3	190.6	459.3	209.8
		7	572.6	158.7	543.2	174.3	509.7	191.8	472.6	211.0
		8	589.1	159.9	558.8	175.5	524.2	193.0	486.1	212.2
		10	622.7	162.5	590.9	178.1	553.8	195.4	513.8	214.6
		12	657.0	165.1	623.2	180.7	584.2	198.0	542.2	217.2
		14	692.1	167.9	656.1	183.4	615.2	200.8	571.4	219.9
9	DCF055DR-10DYY0	6	544.6	148.4	518.6	163.5	489.6	180.5	457.5	199.2
		7	560.8	149.6	534.2	164.7	504.3	181.7	470.9	200.2
		8	577.3	150.8	549.9	165.9	519.3	182.9	484.5	201.2
		10	610.9	153.3	582.2	168.4	550.1	185.4	512.4	203.3
		12	645.4	155.8	615.4	170.9	581.1	187.7	541.2	205.5
		14	680.7	158.5	649.5	173.6	612.5	190.0	570.8	207.9
10	DCF058DR-10DVV0	6	578.5	159.0	550.6	175.6	518.3	194.1	480.9	214.1
		7	595.8	160.3	567.2	176.9	533.5	195.2	495.1	215.2
		8	613.3	161.6	584.1	178.2	549.0	196.3	509.5	216.3
		10	649.2	164.2	618.6	180.8	580.5	198.7	539.0	218.6
		12	685.9	167.0	653.0	183.4	612.8	201.1	569.3	221.1
		14	723.4	169.9	687.9	186.0	645.8	203.8	600.4	223.7
11	DCF062DR-10FVW0	6	626.9	173.3	594.2	190.5	556.8	209.8	515.6	231.2
		7	645.4	174.8	611.6	191.9	572.8	211.1	530.5	232.5
		8	663.9	176.1	629.2	193.3	589.1	212.5	545.6	233.8
		10	701.6	179.0	664.8	196.1	622.3	215.2	576.6	236.6
		12	740.2	182.0	700.9	199.0	656.2	218.1	608.4	239.5
		14	779.5	185.2	737.8	202.1	691.0	221.2	641.0	242.5
12	DCF065DR-10FWW0	6	659.9	186.5	623.8	204.4	583.4	224.7	540.0	247.5
		7	679.1	188.1	641.4	205.8	599.8	226.2	555.2	248.9
		8	697.9	189.5	659.1	207.2	616.5	227.7	570.7	250.4
		10	736.2	192.4	695.3	210.3	650.4	230.8	602.4	253.6
		12	775.2	195.5	732.2	213.5	685.1	234.0	634.8	256.8
		14	814.8	198.8	769.8	216.8	720.5	237.4	668.1	260.2
13	DCF069TR-10GPPY	6	699.0	204.7	659.3	224.2	615.7	246.4	569.2	271.0
		7	718.7	206.3	677.7	225.8	632.9	248.1	585.1	272.7
		8	738.5	207.9	696.4	227.5	650.4	249.8	601.3	274.5
		10	778.9	211.3	734.4	231.0	685.9	253.4	634.4	278.0
		12	820.0	214.9	773.2	234.7	722.3	257.1	668.4	281.8
		14	861.7	218.6	812.7	238.5	759.5	261.0	703.2	285.7
14	DCF051DR-11DXY0	6	493.8	125.5	469.7	138.2	442.7	152.6	413.7	168.9
		7	508.6	126.4	483.9	139.1	456.3	153.6	426.6	170.0
		8	523.6	127.3	498.3	140.1	470.0	154.5	439.5	170.9
		10	554.3	129.2	527.8	142.0	498.3	156.5	466.2	172.9
		12	585.8	131.3	557.9	144.0	527.1	158.5	493.9	175.0
		14	618.1	133.4	589.1	146.1	557.1	160.7	522.5	177.2

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

			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	513.2	129.3	488.0	142.5	460.0	157.3	429.8	174.0
		7	528.4	130.3	502.7	143.4	473.7	158.2	443.0	175.1
		8	544.0	131.3	517.6	144.4	487.9	159.2	456.4	176.1
		10	575.7	133.3	547.7	146.4	517.1	161.4	484.0	178.2
		12	608.2	135.5	579.1	148.6	547.1	163.5	512.5	180.4
		14	641.0	137.7	611.1	150.8	578.0	165.8	541.9	182.7
16	DCF055DR-12DPV0	6	534.1	132.0	507.9	145.7	479.0	161.3	446.9	178.7
		7	550.0	132.9	523.3	146.6	493.4	162.2	460.7	179.7
		8	566.3	134.0	538.9	147.6	508.3	163.2	475.1	180.8
		10	599.4	136.0	570.8	149.7	538.3	165.1	503.8	182.8
		12	633.4	138.2	603.5	151.9	570.1	167.4	533.7	185.0
		14	668.1	140.5	636.8	154.1	602.4	169.7	564.5	187.3
17	DCF057DR-12DYY0	6	552.8	143.3	526.3	157.9	496.4	174.2	464.7	192.7
		7	569.3	144.3	542.2	158.9	512.0	175.4	478.9	193.8
		8	586.0	145.4	558.2	160.0	526.9	176.4	493.4	194.9
		10	620.2	147.6	591.1	162.2	558.3	178.7	523.2	197.2
		12	655.3	149.9	624.3	164.4	590.8	181.0	554.0	199.6
		14	691.3	152.3	659.1	166.8	624.2	183.5	585.9	202.0
18	DCF058DR-11DYV0	6	565.9	150.8	538.5	166.2	508.3	183.9	475.0	203.6
		7	582.8	151.9	555.0	167.5	523.7	185.1	489.3	204.7
		8	600.0	153.1	571.2	168.6	539.5	186.3	503.9	205.8
		10	635.0	155.5	605.0	171.0	571.7	188.8	533.9	208.1
		12	670.5	158.0	639.7	173.6	604.5	191.2	564.8	210.4
		14	707.4	160.7	675.2	176.3	638.0	193.7	596.6	212.9
19	DCF060DR-12DVV0	6	587.2	153.1	558.3	169.0	527.0	187.4	492.5	208.0
		7	604.8	154.2	575.8	170.3	543.2	188.5	507.8	209.2
		8	622.7	155.4	592.5	171.3	559.6	189.7	523.4	210.4
		10	659.2	157.8	627.8	173.7	593.3	192.1	555.3	212.8
		12	695.7	160.1	663.9	176.3	627.9	194.7	588.3	215.3
		14	734.0	162.8	701.0	179.0	663.5	197.4	622.4	218.0
20	DCF065DR-12FVW0	6	636.6	166.6	605.3	183.7	570.7	203.3	532.1	225.0
		7	655.5	167.9	623.5	185.0	588.0	204.6	548.1	226.2
		8	674.8	169.2	641.9	186.4	605.6	206.0	564.4	227.4
		10	714.0	172.0	679.7	189.2	641.3	208.6	597.7	230.0
		12	753.9	174.8	718.6	192.1	677.7	211.4	632.1	232.7
		14	795.1	177.9	758.4	195.1	715.0	214.2	667.2	235.4
21	DCF068DR-12FWW0	6	670.0	179.0	637.6	197.4	601.4	218.3	560.1	241.0
		7	689.7	180.4	656.5	198.8	619.3	219.7	576.4	242.2
		8	709.6	181.9	675.7	200.3	637.6	221.2	592.9	243.5
		10	750.3	184.9	714.8	203.3	674.1	224.0	626.7	246.1
		12	791.9	188.1	754.9	206.5	711.1	226.8	661.4	248.8
		14	834.5	191.3	796.0	209.8	748.8	229.7	696.9	251.7

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)							
	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
22	DCF074TR-11GPYY	6	757.3	219.8	714.5	240.5	667.6	264.1	617.5	290.1
		7	778.8	221.5	734.7	242.2	686.4	265.9	635.0	291.9
		8	800.4	223.2	755.1	244.0	705.5	267.7	652.7	293.8
		10	844.5	226.8	796.6	247.7	744.4	271.5	688.9	297.6
		12	889.5	230.6	839.1	251.6	784.2	275.4	726.1	301.5
		14	935.3	234.6	882.4	255.7	825.0	279.5	764.3	305.6
23	DCF079TR-12GYYY	6	805.1	234.1	760.5	256.0	711.5	281.0	659.1	308.6
		7	827.9	235.8	782.1	257.8	731.7	282.8	677.7	310.4
		8	851.1	237.6	803.9	259.7	752.1	284.7	696.7	312.3
		10	898.1	241.3	848.3	263.5	793.7	288.6	735.6	316.2
		12	946.1	245.2	893.7	267.5	836.4	292.7	775.5	320.3
		14	995.0	249.3	940.0	271.7	880.0	296.9	816.5	324.5
24	DCF059DR-13DYV0	6	573.4	145.9	545.9	161.1	515.1	178.2	481.5	197.4
		7	590.5	147.0	562.4	162.1	531.1	179.3	496.7	198.6
		8	608.0	148.1	579.2	163.2	546.9	180.3	511.5	199.6
		10	643.6	150.3	613.5	165.4	579.2	182.4	542.9	201.9
		12	680.2	152.6	648.4	167.7	613.1	184.8	574.9	204.2
		14	717.5	155.1	684.6	170.1	647.9	187.3	608.1	206.7
25	DCF062DR-14DVV0	6	593.9	148.6	565.5	164.3	533.8	182.2	498.3	202.1
		7	611.8	149.7	582.7	165.3	550.2	183.2	514.5	203.4
		8	630.0	150.8	600.2	166.4	566.9	184.3	529.7	204.2
		10	667.0	153.0	635.9	168.6	600.0	186.2	562.6	206.6
		12	705.0	155.3	672.5	170.9	635.3	188.6	595.8	208.8
		14	743.7	157.8	710.1	173.4	671.6	191.1	630.4	211.3
26	DCF066DR-14FVW0	6	644.6	161.6	613.1	178.3	578.0	197.3	540.0	218.9
		7	663.8	162.8	631.2	179.4	595.6	198.5	556.3	220.0
		8	683.3	164.0	650.0	180.6	613.5	199.8	573.3	221.3
		10	723.2	166.6	688.4	183.2	650.2	202.4	608.1	223.9
		12	764.1	169.3	727.9	185.9	687.6	205.0	644.0	226.6
		14	805.3	172.0	768.4	188.8	726.4	207.8	681.1	229.4
27	DCF070DR-14FWW0	6	678.8	173.5	645.8	191.4	608.8	211.6	569.1	234.6
		7	698.7	174.8	664.2	192.5	627.1	213.0	586.4	236.0
		8	719.0	176.2	683.7	193.9	645.7	214.3	604.0	237.3
		10	760.2	179.0	723.6	196.7	683.8	217.2	640.1	240.2
		12	802.5	181.9	764.5	199.6	722.9	220.1	677.3	243.1
		14	844.6	184.7	806.3	202.7	763.0	223.2	715.7	246.2
28	DCF073TR-13GPPY	6	718.6	193.5	684.0	213.3	645.2	235.7	601.5	260.1
		7	739.9	195.0	704.3	214.8	664.5	237.2	619.1	261.5
		8	761.5	196.6	725.0	216.4	684.3	238.8	636.9	262.8
		10	805.5	199.9	767.3	219.7	723.9	241.9	673.4	265.6
		12	850.6	203.2	810.8	223.1	764.2	245.0	711.0	268.6
		14	896.8	206.8	855.3	226.6	805.1	248.1	749.6	271.7

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)							
	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
29	DCF078TR-14GPYY	6	776.1	208.8	738.2	229.8	696.2	253.7	649.2	279.8
		7	798.8	210.3	760.3	231.5	717.2	255.4	668.3	281.3
		8	822.2	212.0	782.7	233.2	738.5	257.2	687.6	282.7
		10	870.0	215.6	828.6	236.8	781.8	260.6	727.2	285.8
		12	919.0	219.2	875.8	240.4	825.4	263.8	767.9	288.9
		14	969.3	223.0	924.2	244.3	869.9	267.2	809.8	292.3
30	DCF082TR-13HYYV	6	826.3	235.6	783.7	258.6	735.7	284.5	682.7	313.0
		7	849.9	237.3	806.1	260.4	756.6	286.3	702.2	314.8
		8	873.7	239.1	828.8	262.2	777.8	288.1	721.9	316.6
		10	922.2	242.9	875.0	266.1	820.9	291.9	762.3	320.4
		12	971.5	246.8	921.9	270.0	865.0	295.8	803.8	324.3
		14	1021.5	250.8	969.3	274.0	910.0	299.9	846.4	328.4
31	DCF085TR-14HYVV	6	847.9	237.1	806.2	261.1	758.4	288.0	704.2	317.2
		7	872.5	238.9	829.7	262.9	780.2	289.7	724.5	318.9
		8	897.3	240.7	853.5	264.8	802.2	291.4	745.1	320.7
		10	947.7	244.5	902.0	268.7	847.2	295.0	787.2	324.3
		12	999.1	248.5	950.9	272.5	893.1	298.8	830.6	328.1
		14	1051.2	252.6	1000.1	276.4	940.0	302.8	874.9	332.1
32	DCF075TR-16GPPY	6	731.1	185.7	695.6	204.8	655.8	226.3	613.2	250.6
		7	752.7	187.1	716.5	206.2	675.9	227.8	631.9	252.1
		8	774.8	188.5	737.6	207.6	695.7	229.1	651.0	253.5
		10	819.7	191.4	780.4	210.4	737.4	232.1	690.2	256.5
		12	865.8	194.5	824.6	213.4	779.7	235.1	730.8	259.6
		14	912.8	197.7	870.2	216.6	823.5	238.4	772.5	262.8
33	DCF082TR-15GYYY	6	821.5	223.1	781.7	245.5	737.7	271.0	689.0	299.0
		7	845.3	224.7	805.0	247.3	759.9	272.8	709.2	300.5
		8	870.0	226.5	828.7	249.1	782.5	274.6	729.7	302.0
		10	920.5	230.2	877.3	252.8	828.8	278.4	771.7	305.2
		12	972.3	234.0	927.1	256.7	875.1	281.8	815.0	308.5
		14	1025.4	238.0	978.3	260.7	922.3	285.3	859.5	312.0
34	DCF085TR-16HYYV	6	840.7	225.1	801.2	248.2	757.1	274.4	708.2	303.5
		7	865.3	226.8	825.2	250.0	779.8	276.2	729.2	305.1
		8	890.3	228.6	849.0	251.7	802.8	278.0	750.5	306.7
		10	941.2	232.1	898.2	255.3	849.9	281.7	794.1	310.0
		12	993.1	235.9	948.5	259.1	897.5	285.2	839.0	313.5
		14	1045.5	239.6	999.8	263.0	945.9	288.8	885.2	317.1
35	DCF090TR-15HVVV	6	887.3	240.0	844.7	264.8	794.6	292.4	737.1	322.3
		7	913.7	241.9	870.0	266.8	817.8	294.1	758.7	324.0
		8	940.4	243.8	895.7	268.7	841.3	295.8	780.7	325.7
		10	994.8	247.9	947.9	272.7	889.2	299.4	825.6	329.3
		12	1050.5	252.2	999.8	276.5	938.3	303.2	871.8	333.1
		14	1107.4	256.6	1052.7	280.5	988.5	307.3	919.1	337.2

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

			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
36	DCF092TR-15HVVW	6	919.1	253.0	873.4	278.6	820.4	307.2	760.9	338.6
		7	946.0	255.0	898.9	280.6	844.0	309.0	782.9	340.4
		8	973.1	257.1	924.7	282.6	867.8	310.9	805.2	342.3
		10	1028.0	261.2	977.2	286.8	916.4	314.8	850.7	346.3
		12	1084.0	265.5	1029.8	290.8	966.2	319.0	897.5	350.4
		14	1140.9	270.0	1083.3	295.1	1017.0	323.3	945.5	354.8
37	DCF094TR-15HVWW	6	950.8	266.0	902.2	292.4	846.3	322.0	784.8	354.8
		7	978.3	268.2	927.8	294.4	870.2	324.0	807.0	356.8
		8	1005.9	270.3	953.8	296.5	894.4	326.1	829.7	358.9
		10	1061.2	274.5	1006.6	300.8	943.7	330.3	875.8	363.2
		12	1117.4	278.9	1059.8	305.1	994.0	334.7	923.2	367.7
		14	1174.4	283.5	1113.9	309.7	1045.4	339.4	971.8	372.4
38	DCF096TR-15HWWW	6	974.3	278.4	923.6	305.6	865.4	336.2	802.5	370.5
		7	1002.3	280.7	949.3	307.6	889.5	338.4	825.0	372.7
		8	1030.5	283.0	975.4	309.8	914.0	340.6	847.9	374.9
		10	1086.1	287.2	1028.2	314.2	963.8	345.1	894.5	379.5
		12	1142.5	291.6	1082.0	318.8	1014.7	349.8	942.3	384.2
		14	1199.5	296.3	1136.5	323.6	1066.5	354.8	991.3	389.2
39	DCF080TR-17GPYY	6	788.4	200.8	750.1	221.3	707.1	244.3	661.0	270.3
		7	811.9	202.3	772.6	222.8	728.8	245.9	681.3	271.9
		8	835.7	203.9	795.5	224.3	750.2	247.4	702.0	273.5
		10	884.4	207.1	841.9	227.4	795.0	250.6	744.4	276.7
		12	934.4	210.4	889.8	230.7	841.2	254.0	788.3	280.1
		14	985.7	213.9	939.4	234.2	888.7	257.5	833.6	283.6
40	DCF085TR-18GYYY	6	833.3	215.1	793.3	237.1	748.1	261.5	700.1	289.3
		7	858.1	216.7	817.1	238.6	771.5	263.4	721.5	290.9
		8	883.3	218.4	841.2	240.2	793.9	264.8	743.3	292.6
		10	934.6	221.7	890.7	243.6	841.2	268.3	788.2	296.1
		12	987.3	225.2	940.6	246.9	890.0	271.8	834.5	299.6
		14	1041.3	228.8	992.9	250.6	940.1	275.5	882.4	303.3
41	DCF088TR-17HYVV	6	861.5	227.4	820.6	250.9	775.6	277.8	725.6	307.9
		7	886.7	229.1	845.6	252.8	798.9	279.6	747.5	309.6
		8	912.4	230.8	869.8	254.4	822.6	281.3	769.7	311.2
		10	964.5	234.3	920.3	258.0	871.0	285.0	815.2	314.7
		12	1017.6	238.0	971.9	261.7	920.3	288.6	862.1	318.3
		14	1070.7	241.7	1024.5	265.6	970.6	292.4	910.3	322.1
42	DCF093TR-18HVVV	6	900.7	230.9	857.5	255.0	808.8	282.4	755.9	313.3
		7	927.5	232.6	882.6	256.5	833.4	284.1	779.2	315.1
		8	954.7	234.4	908.8	258.3	858.5	285.9	803.0	316.9
		10	1010.2	238.1	962.4	262.1	909.7	289.7	851.7	320.6
		12	1066.8	242.0	1017.4	266.0	962.5	293.6	902.1	324.5
		14	1123.8	245.9	1073.6	270.1	1016.6	297.7	953.6	328.5

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

			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	932.8	243.2	888.4	268.5	838.5	297.2	783.3	329.3
		7	960.2	245.0	914.4	270.2	863.7	299.1	806.9	331.1
		8	988.0	246.9	941.2	272.1	889.3	301.1	830.8	332.9
		10	1044.6	250.9	995.9	276.1	941.5	305.0	879.9	336.7
		12	1102.3	255.0	1052.0	280.2	994.7	308.9	930.5	340.7
		14	1160.5	259.1	1109.2	284.5	1049.2	313.0	982.3	344.7
44	DCF098TR-18HVWW	6	964.8	255.5	919.4	282.0	868.2	312.1	810.7	345.3
		7	992.9	257.5	946.2	283.9	894.0	314.1	834.5	347.1
		8	1021.3	259.5	973.6	286.0	920.2	316.2	858.7	349.0
		10	1079.0	263.6	1029.4	290.1	973.4	320.3	908.1	352.8
		12	1137.8	267.9	1086.5	294.5	1027.0	324.2	958.9	356.8
		14	1197.2	272.3	1144.7	299.0	1081.7	328.4	1011.0	360.9
45	DCF100TR-18HWWW	6	988.5	267.2	942.5	294.9	890.5	326.4	831.5	360.8
		7	1017.0	269.3	970.0	297.0	916.7	328.5	855.4	362.6
		8	1045.9	271.4	997.8	299.2	943.4	330.7	879.7	364.5
		10	1104.6	275.7	1054.6	303.5	997.6	335.0	929.3	368.3
		12	1164.4	280.2	1112.5	308.1	1051.4	339.0	980.2	372.4
		14	1224.8	284.8	1171.5	312.7	1106.3	343.2	1032.3	376.6
46	DCF088TR-19HYYV	6	852.0	217.7	812.2	240.2	767.3	265.5	718.3	294.0
		7	877.0	219.2	836.4	241.7	790.8	267.3	740.5	295.8
		8	902.4	220.8	860.9	243.3	813.8	268.7	762.5	297.3
		10	954.0	224.1	910.8	246.6	861.8	272.1	808.2	300.7
		12	1006.7	227.5	961.2	249.9	910.6	275.4	855.3	304.2
		14	1060.2	231.0	1013.5	253.4	961.1	279.0	903.8	307.8
47	DCF090TR-20HYVV	6	872.0	220.3	831.4	243.4	785.6	269.5	734.9	298.7
		7	897.7	221.9	856.2	244.9	809.6	271.1	758.1	300.5
		8	923.7	223.4	881.3	246.5	833.4	272.6	780.4	301.9
		10	976.5	226.7	932.5	249.7	882.6	275.9	827.3	305.3
		12	1030.3	230.1	984.5	253.1	932.2	279.1	875.7	308.8
		14	1084.8	233.6	1037.8	256.6	984.0	282.8	925.5	312.4
48	DCF095TR-21HVVV	6	911.1	224.1	867.7	247.6	819.2	274.4	765.8	304.7
		7	938.3	225.7	893.9	249.2	844.2	276.0	788.6	306.0
		8	965.9	227.4	920.6	250.9	869.6	277.7	812.8	307.6
		10	1022.2	230.8	974.9	254.2	921.7	281.0	862.4	311.1
		12	1079.8	234.4	1030.5	257.8	975.2	284.6	913.6	314.7
		14	1138.5	238.2	1087.5	261.6	1029.1	288.1	966.3	318.5
49	DCF098TR-21HVVW	6	943.9	236.0	898.8	260.5	849.0	288.6	794.2	320.3
		7	971.7	237.7	925.6	262.2	874.6	290.3	817.9	321.8
		8	999.9	239.4	953.3	264.1	900.7	292.1	842.6	323.6
		10	1057.3	243.0	1008.4	267.6	953.9	295.7	893.3	327.3
		12	1115.9	246.8	1065.2	271.4	1008.6	299.6	945.7	331.2
		14	1175.4	250.8	1123.2	275.3	1063.9	303.4	999.5	335.2

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

			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
50	DCF101TR-21HVWW	6	976.7	247.8	929.8	273.3	878.8	302.8	822.5	336.0
		7	1005.1	249.6	957.3	275.2	905.1	304.7	847.1	337.7
		8	1033.8	251.4	985.9	277.3	931.7	306.6	872.4	339.6
		10	1092.3	255.3	1041.9	280.9	986.1	310.4	924.3	343.6
		12	1152.0	259.2	1099.9	284.9	1042.0	314.5	977.7	347.7
		14	1212.3	263.4	1158.9	289.1	1098.7	318.6	1032.7	351.9
51	DCF103TR-21HWWW	6	1000.9	259.1	952.7	285.6	901.1	316.5	843.9	351.0
		7	1029.8	261.0	982.0	287.9	927.8	318.4	869.2	353.0
		8	1059.1	262.9	1009.1	289.6	955.0	320.4	895.0	355.1
		10	1118.4	266.9	1067.8	293.9	1010.3	324.5	947.7	359.2
		12	1178.9	271.0	1125.8	297.8	1067.1	328.8	1002.0	363.5
		14	1238.2	274.9	1185.6	302.2	1125.0	333.2	1057.8	367.9
52	DCF047DX-09DXY0	6	473.3	130.4	445.7	143.7	415.8	158.8	383.9	175.7
		7	486.7	131.5	458.2	144.9	427.6	160.0	394.7	176.9
		8	500.2	132.6	471.0	146.0	439.4	161.2	405.7	178.1
		10	527.7	134.9	496.9	148.4	463.7	163.7	428.1	180.7
		12	555.7	137.4	523.4	151.0	488.5	166.3	451.2	183.3
		14	584.3	140.0	550.3	153.6	513.8	169.0	474.8	186.1
53	DCF049DX-09DPY0	6	490.0	134.8	461.0	148.6	429.9	164.1	396.6	181.3
		7	503.7	136.0	473.9	149.8	441.8	165.3	407.6	182.5
		8	517.5	137.1	486.9	151.0	453.9	166.6	418.8	183.8
		10	545.6	139.6	513.4	153.6	478.6	169.2	441.6	186.5
		12	574.3	142.3	540.4	156.2	503.9	171.9	465.0	189.2
		14	603.5	145.0	567.9	159.0	529.7	174.7	489.0	192.1
54	DCF051DX-10DPV0	6	513.7	136.8	483.9	151.0	451.5	167.1	416.8	185.1
		7	528.3	137.9	497.6	152.1	464.3	168.3	428.6	186.3
		8	543.0	139.0	511.5	153.3	477.3	169.5	440.6	187.6
		10	573.0	141.5	539.7	155.8	503.7	172.0	465.1	190.1
		12	603.5	144.0	568.5	158.4	530.7	174.7	490.3	192.8
		14	634.5	146.7	597.9	161.2	558.3	177.5	516.0	195.6
55	DCF053DX-10DYY0	6	530.3	148.7	499.8	163.9	466.8	180.9	431.5	199.7
		7	545.2	149.9	513.8	165.2	479.9	182.2	443.5	201.1
		8	560.3	151.2	528.0	166.5	493.1	183.6	455.8	202.4
		10	590.9	153.8	556.8	169.2	520.1	186.4	480.8	205.3
		12	622.2	156.6	586.3	172.1	547.7	189.3	506.4	208.2
		14	654.0	159.5	616.4	175.0	575.9	192.3	532.8	211.3
56	DCF049DX-11DXY0	6	488.6	124.9	461.6	137.5	432.5	151.8	401.2	168.0
		7	502.7	125.8	475.1	138.4	445.1	152.8	412.9	169.0
		8	517.1	126.7	488.7	139.4	457.9	153.8	424.8	170.0
		10	546.3	128.7	516.4	141.4	484.0	155.8	449.1	172.0
		12	576.2	130.7	544.8	143.5	510.7	157.9	474.2	174.2
		14	606.6	132.9	573.8	145.7	538.1	160.2	499.9	176.6

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

			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
57	DCF051DX-11DPY0	6	506.6	128.7	478.4	141.7	448.0	156.5	415.3	173.1
		7	521.1	129.7	492.2	142.7	460.9	157.5	427.3	174.1
		8	535.9	130.7	506.2	143.8	474.0	158.6	439.4	175.1
		10	565.9	132.8	534.6	145.9	500.7	160.7	464.3	177.3
		12	596.6	135.0	563.7	148.1	528.1	163.0	489.9	179.6
		14	627.9	137.3	593.4	150.5	556.1	165.4	516.1	182.0
58	DCF053DX-12DPV0	6	528.9	131.4	499.7	144.9	468.1	160.3	434.0	177.7
		7	544.2	132.4	514.3	145.9	481.8	161.3	446.7	178.7
		8	559.8	133.3	529.0	146.9	495.6	162.3	459.6	179.7
		10	591.4	135.4	559.1	148.9	523.9	164.4	486.0	181.8
		12	623.7	137.6	589.8	151.2	552.9	166.6	513.1	184.1
		14	656.6	139.9	621.1	153.5	582.5	169.0	540.9	186.5
59	DCF055DX-11DYV0	6	553.7	150.6	522.2	166.3	488.1	183.9	451.4	203.6
		7	569.4	151.8	537.1	167.5	502.0	185.2	464.2	204.9
		8	585.4	153.1	552.1	168.8	516.1	186.5	477.3	206.2
		10	617.8	155.7	582.8	171.4	544.8	189.2	503.9	209.0
		12	650.9	158.4	614.1	174.2	574.2	192.0	531.3	211.8
		14	684.6	161.3	646.0	177.2	604.2	195.0	559.4	214.8
60	DCF055DX-12DYY0	6	545.9	142.6	516.2	157.1	484.0	173.5	449.3	191.7
		7	561.6	143.7	531.1	158.2	497.9	174.6	462.3	192.8
		8	577.5	144.8	546.2	159.3	512.1	175.7	475.5	193.9
		10	610.0	147.0	576.9	161.6	541.0	178.0	502.4	196.3
		12	643.1	149.4	608.4	164.0	570.6	180.5	530.1	198.8
		14	676.9	151.9	640.5	166.5	601.0	183.1	558.6	201.4
61	DCF058DX-12DVV0	6	577.0	152.6	544.6	168.7	509.4	187.0	471.3	207.5
		7	593.7	153.8	560.4	169.9	524.1	188.2	485.0	208.7
		8	610.5	155.0	576.3	171.1	539.0	189.5	498.8	210.0
		10	644.7	157.5	608.7	173.7	569.5	192.1	527.1	212.6
		12	679.6	160.2	641.8	176.4	600.6	194.8	556.2	215.4
		14	715.1	163.0	675.6	179.3	632.4	197.8	585.9	218.4
62	DCF062DX-12FVW0	6	621.3	166.5	585.1	183.9	546.0	203.5	504.0	225.5
		7	638.9	167.9	601.7	185.3	561.4	205.0	518.3	227.0
		8	656.6	169.3	618.4	186.7	577.1	206.5	532.7	228.5
		10	692.7	172.3	652.5	189.8	608.9	209.6	562.2	231.6
		12	729.5	175.4	687.3	193.0	641.5	212.8	592.5	234.9
		14	767.0	178.7	722.7	196.3	674.8	216.2	623.5	238.4

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 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
63	DCF065DX-12FWW0	6	650.9	179.4	612.6	198.1	571.3	219.1	527.0	242.6
		7	668.9	180.9	629.6	199.7	587.1	220.8	541.5	244.3
		8	687.1	182.5	646.7	201.3	603.0	222.4	556.2	246.0
		10	724.1	185.8	681.5	204.7	635.5	225.9	586.3	249.5
		12	761.6	189.3	716.9	208.2	668.7	229.5	617.1	253.2
		14	799.8	192.9	753.0	211.9	702.5	233.3	648.6	257.1
64	DCF050DX-13DXY0	6	498.8	121.7	472.6	133.8	444.0	147.6	413.2	163.3
		7	513.6	122.5	486.6	134.6	457.2	148.4	425.5	164.1
		8	528.6	123.3	500.8	135.4	470.6	149.3	438.0	164.9
		10	559.0	125.0	529.8	137.1	498.0	151.0	463.3	166.7
		12	590.1	126.8	559.5	138.9	526.1	152.8	490.1	168.6
		14	621.9	128.6	589.9	140.8	555.0	154.8	517.3	170.6
65	DCF053DX-13DPY0	6	517.9	125.2	490.4	137.7	460.4	151.9	428.2	168.0
		7	533.1	126.0	504.8	138.5	474.0	152.8	440.9	168.8
		8	548.5	126.9	519.4	139.4	487.8	153.7	453.7	169.7
		10	579.8	128.7	549.2	141.2	515.9	155.5	480.0	171.6
		12	611.8	130.7	579.7	143.2	544.8	157.5	507.1	173.6
		14	644.6	132.7	610.9	145.2	574.3	159.5	534.9	175.6
66	DCF055DX-14DPV0	6	539.4	128.2	510.8	141.2	479.7	156.1	446.1	173.0
		7	555.3	129.1	526.0	142.1	494.0	157.0	459.4	173.8
		8	571.4	130.0	541.3	142.9	508.5	157.8	473.0	174.7
		10	604.2	131.8	572.6	144.7	538.1	159.6	500.7	176.5
		12	637.8	133.8	604.7	146.7	568.4	161.6	529.2	178.5
		14	672.0	135.8	637.4	148.8	599.5	163.6	558.5	180.5
67	DCF057DX-13DYV0	6	567.8	145.3	537.1	160.3	503.8	177.3	467.7	196.3
		7	584.3	146.4	552.8	161.3	518.5	178.3	481.4	197.4
		8	601.0	147.4	568.7	162.4	533.4	179.4	495.3	198.5
		10	635.1	149.7	601.0	164.7	563.9	181.7	523.7	200.8
		12	669.8	152.0	634.1	167.1	595.1	184.1	553.0	203.3
		14	705.3	154.5	667.9	169.6	627.0	186.7	583.0	205.8
68	DCF057DX-14DYY0	6	556.9	138.9	527.8	152.9	496.2	168.7	462.0	186.4
		7	573.2	139.9	543.3	153.8	510.8	169.7	475.7	187.4
		8	589.7	140.8	559.0	154.8	525.6	170.6	489.5	188.4
		10	623.4	142.8	591.1	156.8	555.9	172.6	517.8	190.4
		12	657.9	144.9	624.0	158.9	587.0	174.8	547.0	192.6
		14	693.1	147.1	657.6	161.1	618.9	177.0	577.1	194.8
69	DCF060DX-14DVV0	6	589.7	148.0	558.1	163.4	523.5	181.1	486.1	200.9
		7	607.0	149.0	574.5	164.5	539.0	182.1	500.5	202.0
		8	624.5	150.1	591.2	165.5	554.7	183.2	515.2	203.1
		10	660.2	152.3	625.1	167.7	586.7	185.4	545.1	205.3
		12	696.6	154.6	659.8	170.1	619.6	187.8	575.9	207.7
		14	733.6	157.1	695.2	172.6	653.1	190.3	607.4	210.3

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)
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DCF Performance Data EC 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
70	DCF064DX-14FVW0	6	636.7	160.9	601.3	177.5	562.9	196.4	521.6	217.7
		7	655.0	162.1	618.7	178.7	579.3	197.7	536.7	218.9
		8	673.6	163.3	636.3	180.0	595.8	198.9	552.1	220.2
		10	711.5	165.9	672.2	182.6	629.5	201.6	583.6	222.9
		12	750.1	168.7	708.9	185.4	664.1	204.4	615.8	225.8
		14	789.5	171.6	746.3	188.3	699.4	207.4	649.0	228.8
71	DCF068DX-14FWW0	6	668.0	172.9	630.6	190.7	590.1	211.0	546.5	233.7
		7	686.9	174.2	648.5	192.1	606.8	212.4	562.0	235.1
		8	706.0	175.6	666.6	193.5	623.8	213.8	577.7	236.6
		10	744.8	178.4	703.4	196.4	658.3	216.8	609.9	239.6
		12	784.4	181.5	740.9	199.5	693.7	219.9	642.9	242.8
		14	824.6	184.6	779.1	202.7	729.7	223.2	676.6	246.1
72	DCF069TX-13GPPY	6	698.6	193.9	657.8	213.9	613.6	236.4	566.4	261.5
		7	718.1	195.5	676.1	215.6	630.7	238.2	582.1	263.3
		8	737.8	197.2	694.6	217.3	648.0	240.0	598.1	265.1
		10	777.9	200.7	732.3	221.0	683.2	243.7	630.6	268.9
		12	818.6	204.4	770.8	224.8	719.1	247.6	664.0	272.8
		14	860.0	208.3	809.9	228.7	755.8	251.6	698.2	276.9
73	DCF075TX-14GPYY	6	754.1	209.0	709.9	230.4	662.3	254.4	611.4	281.0
		7	775.2	210.8	729.7	232.3	680.8	256.3	628.4	283.0
		8	796.5	212.6	749.8	234.1	699.5	258.2	645.7	284.9
		10	839.9	216.5	790.7	238.0	737.6	262.2	681.0	289.0
		12	884.2	220.5	832.4	242.1	776.6	266.4	717.2	293.2
		14	929.2	224.6	874.9	246.4	816.5	270.8	754.3	297.6
74	DCF059DX-15DYV0	6	578.0	142.0	548.0	156.4	515.1	172.9	479.6	191.5
		7	595.1	142.9	564.2	157.4	530.5	173.8	493.9	192.4
		8	612.3	143.9	580.6	158.3	546.0	174.8	508.4	193.4
		10	647.5	145.9	614.2	160.3	577.7	176.8	538.2	195.4
		12	683.5	148.0	648.6	162.4	610.3	178.9	568.8	197.5
		14	720.2	150.2	683.7	164.6	643.7	181.1	600.3	199.7
75	DCF061DX-16DVV0	6	599.1	145.1	568.1	160.0	534.1	177.1	497.2	196.5
		7	616.9	146.0	585.0	160.9	550.1	178.0	512.2	197.4
		8	634.9	147.0	602.2	161.8	566.4	178.9	527.4	198.3
		10	671.6	148.9	637.3	163.8	599.6	180.9	558.5	200.3
		12	709.1	151.0	673.2	165.9	633.7	183.0	590.6	202.4
		14	747.2	153.3	709.8	168.1	668.5	185.3	623.5	204.7
76	DCF066DX-16FVW0	6	648.1	157.2	613.4	173.2	575.6	191.6	534.8	212.3
		7	667.1	158.3	631.4	174.3	592.6	192.7	550.6	213.4
		8	686.3	159.4	649.7	175.4	609.8	193.8	566.7	214.6
		10	725.4	161.7	686.9	177.8	645.0	196.1	599.6	216.9
		12	765.4	164.2	725.1	180.2	681.0	198.6	633.4	219.4
		14	806.1	166.9	764.0	182.9	717.9	201.3	668.1	222.1

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)							
	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
77	DCF069DX-16FWW0	6	680.7	168.5	644.0	185.7	604.1	205.3	561.1	227.5
		7	700.2	169.7	662.6	186.9	621.6	206.6	577.4	228.7
		8	720.0	170.9	681.4	188.2	639.3	207.8	593.9	230.0
		10	760.2	173.5	719.7	190.7	675.4	210.5	627.6	232.7
		12	801.3	176.2	758.8	193.5	712.3	213.2	662.2	235.5
		14	843.0	179.1	798.6	196.4	750.1	216.1	697.7	238.4
78	DCF073TX-16GPPY	6	722.5	184.9	682.9	203.8	639.9	225.2	593.6	249.2
		7	743.3	186.3	702.5	205.2	658.3	226.7	610.7	250.7
		8	764.2	187.7	722.4	206.6	677.0	228.1	628.1	252.2
		10	806.9	190.6	762.9	209.6	715.1	231.1	663.6	255.3
		12	850.5	193.7	804.3	212.7	754.1	234.3	700.0	258.5
		14	894.9	197.0	846.6	216.0	794.0	237.7	737.4	261.9
79	DCF079TX-15GYYY	6	799.0	223.3	752.9	246.1	703.0	271.6	649.6	299.9
		7	821.4	225.2	773.9	248.0	722.7	273.6	667.7	301.9
		8	844.1	227.1	795.3	250.0	742.5	275.7	686.1	304.0
		10	890.1	231.1	838.6	254.1	783.1	279.8	723.7	308.2
		12	937.0	235.3	882.9	258.4	824.6	284.2	762.3	312.6
		14	984.8	239.7	928.1	262.9	867.0	288.8	801.9	317.3
80	DCF082TX-16HYYV	6	821.7	225.2	775.8	248.5	725.7	274.8	671.7	304.0
		7	844.7	227.0	797.5	250.4	746.0	276.7	690.5	305.9
		8	867.9	228.9	819.4	252.3	766.6	278.7	709.6	307.9
		10	915.0	232.7	864.0	256.3	808.5	282.8	748.6	312.1
		12	962.8	236.8	909.5	260.5	851.3	287.0	788.7	316.4
		14	1011.2	241.0	955.7	264.8	895.0	291.5	829.7	321.0
81	DCF078TX-17GPYY	6	778.4	199.9	735.4	220.2	688.9	243.2	639.0	268.8
		7	800.8	201.4	756.6	221.8	708.8	244.7	657.4	270.4
		8	823.5	203.0	778.1	223.3	728.9	246.3	676.1	272.0
		10	869.6	206.2	821.9	226.6	770.0	249.6	714.4	275.4
		12	916.8	209.6	866.6	230.0	812.2	253.1	753.8	278.9
		14	964.9	213.1	912.3	233.6	855.3	256.8	794.2	282.6
82	DCF082TX-18GYYY	6	822.7	214.2	777.8	235.9	729.1	260.4	676.7	287.7
		7	846.3	215.8	800.2	237.6	750.1	262.1	696.2	289.4
		8	870.3	217.4	822.9	239.2	771.4	263.8	716.0	291.1
		10	919.0	220.8	869.1	242.7	814.8	267.3	756.5	294.7
		12	968.7	224.4	916.3	246.3	859.3	271.0	798.1	298.5
		14	1019.4	228.1	964.5	250.1	904.9	274.9	840.9	302.4
83	DCF085TX-17HYVV	6	844.6	227.1	797.9	250.9	746.8	277.8	691.5	307.8
		7	868.4	228.9	820.4	252.7	767.9	279.7	711.1	309.7
		8	892.4	230.7	843.2	254.6	789.3	281.6	731.0	311.7
		10	941.1	234.5	889.4	258.5	832.8	285.6	771.6	315.7
		12	990.5	238.5	936.5	262.6	877.3	289.8	813.2	320.0
		14	1040.5	242.6	984.4	266.9	922.6	294.2	855.9	324.5

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

			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
84	DCF089TX-18HVVV	6	884.4	230.2	834.8	254.4	780.6	281.9	722.1	312.6
		7	909.7	232.0	858.7	256.2	803.0	283.7	742.9	314.5
		8	935.2	233.9	882.9	258.1	825.7	285.7	764.0	316.4
		10	987.2	237.8	932.1	262.1	872.0	289.7	807.1	320.5
		12	1040.1	241.9	982.4	266.3	919.3	293.9	851.3	324.8
		14	1093.8	246.2	1033.5	270.7	967.6	298.4	896.6	329.4
85	DCF092TX-18HVVW	6	913.0	243.0	861.4	268.5	805.2	297.4	744.6	329.7
		7	938.7	245.0	885.7	270.5	827.9	299.4	765.6	331.8
		8	964.6	247.0	910.2	272.6	850.9	301.6	787.0	333.9
		10	1017.2	251.1	960.1	276.8	897.8	305.9	830.6	338.4
		12	1070.7	255.5	1010.9	281.4	945.6	310.6	875.3	343.1
		14	1124.9	260.2	1062.5	286.1	994.4	315.4	921.0	348.0
86	DCF094TX-18HVWW	6	941.6	255.8	888.1	282.6	829.9	312.9	767.0	346.8
		7	967.6	257.9	912.7	284.8	852.9	315.2	788.4	349.0
		8	993.9	260.0	937.6	287.0	876.2	317.5	810.0	351.4
		10	1047.2	264.5	988.1	291.6	923.6	322.2	854.1	356.2
		12	1101.3	269.2	1039.5	296.5	971.9	327.2	899.2	361.3
		14	1156.0	274.1	1091.6	301.5	1021.2	332.4	945.5	366.7
87	DCF096TX-18HWWW	6	962.5	267.9	907.7	296.1	848.1	327.8	783.7	363.2
		7	988.9	270.1	932.6	298.4	871.3	330.2	805.2	365.6
		8	1015.5	272.4	957.8	300.7	894.8	332.7	827.0	368.2
		10	1069.3	277.2	1008.7	305.7	942.6	337.7	871.5	373.4
		12	1123.9	282.2	1060.5	310.8	991.4	343.0	917.0	378.8
		14	1179.0	287.3	1113.1	316.2	1041.0	348.6	963.5	384.5
88	DCF074TX-19GPPY	6	738.6	179.8	699.8	197.9	657.6	218.5	612.1	241.8
		7	760.2	181.0	720.4	199.1	677.0	219.7	630.1	243.0
		8	782.0	182.2	741.2	200.3	696.6	221.0	648.5	244.3
		10	826.5	184.8	783.6	202.9	736.7	223.6	686.0	246.9
		12	872.0	187.5	827.0	205.6	777.9	226.3	724.7	249.7
		14	918.4	190.4	871.4	208.5	820.0	229.2	764.3	252.6
89	DCF079TX-20GPYY	6	795.2	194.6	753.2	214.0	707.5	236.2	658.2	261.1
		7	818.5	195.9	775.3	215.3	728.3	237.5	677.6	262.5
		8	842.1	197.2	797.7	216.7	749.4	238.9	697.4	263.8
		10	890.1	200.0	843.5	219.5	792.6	241.8	737.8	266.7
		12	939.3	203.0	890.4	222.5	837.0	244.8	779.4	269.8
		14	989.6	206.2	938.3	225.7	882.4	247.9	822.2	272.9
90	DCF085TX-19HYYV	6	843.3	216.8	798.7	239.1	749.9	264.3	696.9	292.5
		7	867.3	218.4	821.6	240.6	771.4	265.9	717.0	294.1
		8	891.6	219.9	844.7	242.3	793.2	267.6	737.4	295.8
		10	941.0	223.2	891.8	245.6	837.7	271.0	779.1	299.3
		12	991.2	226.7	939.8	249.2	883.3	274.6	821.9	303.0
		14	1042.1	230.3	988.7	252.9	929.8	278.4	865.8	306.9

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

			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
91	DCF088TX-20HYVV	6	864.6	219.5	819.3	242.2	769.4	268.1	715.2	297.1
		7	889.4	221.0	842.9	243.7	791.7	269.6	735.9	298.7
		8	914.4	222.5	866.8	245.3	814.2	271.3	757.0	300.4
		10	965.2	225.8	915.3	248.6	860.2	274.7	800.2	303.8
		12	1016.8	229.2	964.8	252.1	907.2	278.2	844.4	307.4
		14	1069.0	232.8	1015.0	255.8	955.1	282.0	889.8	311.3
92	DCF084TX-21GYYY	6	839.4	208.6	795.5	229.5	747.6	253.3	696.0	279.8
		7	863.9	210.0	818.8	230.9	769.6	254.7	716.5	281.3
		8	888.8	211.5	842.4	232.4	791.9	256.2	737.3	282.8
		10	939.3	214.4	890.6	235.4	837.4	259.2	779.9	285.9
		12	991.1	217.6	940.0	238.6	884.1	262.4	823.8	289.1
		14	1043.9	220.9	990.4	241.9	932.0	265.8	868.9	292.5
93	DCF087TX-22HYYV	6	858.6	211.6	815.1	233.1	767.2	257.5	715.1	285.0
		7	883.4	213.0	838.8	234.4	789.7	258.9	736.1	286.4
		8	908.5	214.4	862.8	235.8	812.4	260.3	757.5	287.8
		10	959.5	217.3	911.7	238.8	858.8	263.3	801.1	290.9
		12	1011.3	220.3	961.5	241.9	906.3	266.5	846.0	294.1
		14	1063.9	223.6	1012.2	245.1	954.8	269.8	891.9	297.4
94	DCF092TX-21HVVV	6	904.2	223.2	855.8	246.3	802.7	272.8	745.2	302.6
		7	930.4	224.8	880.8	247.9	826.3	274.4	767.2	304.2
		8	957.0	226.4	906.1	249.5	850.2	276.0	789.5	305.9
		10	1011.1	229.8	957.6	252.9	898.9	279.5	835.1	309.3
		12	1066.3	233.4	1010.3	256.6	948.8	283.1	881.9	313.0
		14	1122.4	237.2	1064.0	260.4	999.7	287.0	929.9	317.0
95	DCF095TX-21HVVW	6	934.3	235.0	884.1	259.4	829.1	287.2	769.5	318.5
		7	961.0	236.7	909.5	261.1	853.1	289.0	791.8	320.3
		8	988.1	238.5	935.2	262.9	877.3	290.8	814.5	322.1
		10	1042.9	242.1	987.6	266.6	926.7	294.5	860.7	326.0
		12	1098.8	246.0	1040.9	270.5	977.3	298.5	908.1	330.0
		14	1155.5	250.0	1095.2	274.7	1028.8	302.7	956.8	334.2
96	DCF097TX-21HVWW	6	964.4	246.9	912.4	272.5	855.5	301.7	793.8	334.4
		7	991.6	248.7	938.3	274.4	879.8	303.6	816.5	336.4
		8	1019.1	250.6	964.4	276.3	904.4	305.6	839.4	338.4
		10	1074.8	254.5	1017.5	280.3	954.5	309.6	886.3	342.6
		12	1131.3	258.6	1071.5	284.5	1005.7	313.9	934.4	346.9
		14	1188.5	262.9	1126.4	288.9	1057.9	318.4	983.6	351.5
97	DCF099TX-21HWWW	6	986.5	258.2	933.3	285.1	875.0	315.6	811.9	349.8
		7	1014.0	260.1	959.4	287.1	899.6	317.6	834.8	351.9
		8	1041.8	262.1	985.9	289.1	924.5	319.7	858.0	354.1
		10	1098.2	266.2	1039.6	293.3	975.2	324.1	905.3	358.5
		12	1155.3	270.5	1094.2	297.8	1026.9	328.6	953.9	363.2
		14	1213.0	275.0	1149.5	302.4	1079.5	333.4	1003.5	368.1

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 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)	m²	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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	466.8	481.9	509.1
Nominal Input - Mechanical		kW	170.0	175.5	178.7
EER	(2)		2.75	2.75	2.85
ESEER			3.80	3.67	3.71
Nominal Output - Free Cooling		kW	335.2	338.2	378.2
Ambient temperature for 100% Free Cooling	(5)	°C	-1.8	-2.2	-1.2
Capacity Steps		%	15-35-50-70-85-100	25-45-65-85-100	25-45-65-80-100
Minimum Turndown Ratio			0.16	0.24	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	4765	4640	4765
Operating		kg	5360	5235	5380
Water Volume (Total Internal)		l	595	595	615
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 - EC Fans		m³/s	41.1	41.1	47.0
Quantity			7	7	8
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	24 + 30	24 + 31	24 + 34
GWP Tonnes Equivalent CO_2		tCO2	50 + 63	50 + 65	50 + 71
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1371	2149	2149
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	527.1	490.0	507.9
Nominal Input - Mechanical		kW	192.2	162.9	168.0
EER	(2)		2.74	3.01	3.02
ESEER			3.74	4.01	3.92
Nominal Output - Free Cooling		kW	371.8	406.4	411.0
Ambient temperature for 100% Free Cooling	(5)	°C	-0.5	0.5	0.1
Capacity Steps		%	20-35-55-70-85-100	15-35-50-70-80-100	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	4895	5445	5330
Operating		kg	5515	6180	6060
Water Volume (Total Internal)		l	620	735	730
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 - EC Fans		m³/s	47.0	52.9	52.9
Quantity			8	9	9
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	28 + 31	27 + 32	28 + 33
GWP Tonnes Equivalent CO_2		tCO2	58 + 65	56 + 67	58 + 69
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1753	1393	2197
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	529.8	553.8	550.1
Nominal Input - Mechanical		kW	171.3	195.4	185.4
EER	(2)		3.09	2.83	2.97
ESEER			3.95	3.79	3.92
Nominal Output - Free Cooling		kW	447.5	410.4	437.0
Ambient temperature for 100% Free Cooling	(5)	°C	0.7	0.2	1.4
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 5978	2682 x 2200 x 5978	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	5465	5460	5595
Operating		kg	6220	6190	6345
Water Volume (Total Internal)		l	755	730	750
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 - EC Fans		m³/s	58.8	52.9	58.8
Quantity			10	9	10
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	28 + 37	28 + 34	32 + 33
GWP Tonnes Equivalent CO_2		tCO2	58 + 77	58 + 71	67 + 69
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2197	1753	1774
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	580.5	622.3	650.4
Nominal Input - Mechanical		kW	198.7	215.2	230.8
EER	(2)		2.92	2.89	2.82
ESEER			3.95	3.93	3.83
Nominal Output - Free Cooling		kW	460.5	469.9	475.6
Ambient temperature for 100% Free Cooling	(5)	°C	-0.2	-0.9	-1.5
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	5615	5775	5835
Operating		kg	6370	6525	6585
Water Volume (Total Internal)		l	755	750	750
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 - EC Fans		m³/s	58.8	58.8	58.8
Quantity			10	10	10
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	33 + 34	35 + 36	35 + 36
GWP Tonnes Equivalent CO_2		tCO2	69 + 71	73 + 75	73 + 75
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1883	1935	2154
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	685.9	498.3	517.1
Nominal Input - Mechanical		kW	253.4	156.5	161.4
EER	(2)		2.71	3.18	3.20
ESEER			3.63	4.18	4.11
Nominal Output - Free Cooling		kW	488.5	464.6	471.5
Ambient temperature for 100% Free Cooling	(5)	°C	-1.9	2.1	1.8
Capacity Steps		%	15-35-45-60-75-90-100	15-35-50-70-80-100	25-45-65-85-100
Minimum Turndown Ratio			0.17	0.15	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	6150	6090	5970
Operating		kg	7075	6915	6790
Water Volume (Total Internal)		l	925	825	820
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 - EC Fans		m³/s	58.8	64.7	64.7
Quantity			10	11	11
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	23 + 24 + 30	31 + 35	31 + 36
GWP Tonnes Equivalent CO_2		tCO2	48 + 50 + 63	65 + 73	65 + 75
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2105	1408	2229
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	538.3	558.3	571.7
Nominal Input - Mechanical		kW	165.1	178.7	188.8
EER	(2)		3.26	3.13	3.03
ESEER			4.12	4.14	4.03
Nominal Output - Free Cooling		kW	504.9	512.3	471.3
Ambient temperature for 100% Free Cooling	(5)	°C	2.2	1.9	1.8
Capacity Steps		%	25-40-65-80-100	20-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.23	0.18	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	6105	6260	6135
Operating		kg	6950	7110	6955
Water Volume (Total Internal)		l	845	850	820
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 - EC Fans		m³/s	70.5	70.5	64.7
Quantity			12	12	11
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	31 + 40	35 + 36	32 + 37
GWP Tonnes Equivalent CO_2		tCO2	65 + 84	73 + 75	67 + 77
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2229	1789	1774
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	593.3	641.3	674.1
Nominal Input - Mechanical		kW	192.1	208.6	224.0
EER	(2)		3.09	3.07	3.01
ESEER			4.10	4.08	3.99
Nominal Output - Free Cooling		kW	524.2	538.6	547.2
Ambient temperature for 100% Free Cooling	(5)	°C	1.4	0.7	0.2
Capacity Steps		%	20-35-50-70-85-100	15-35-50-70-85-100	20-35-50-70-85-100
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	6270	6425	6580
Operating		kg	7115	7265	7530
Water Volume (Total Internal)		l	845	840	950
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 - EC Fans		m³/s	70.5	70.5	70.5
Quantity			12	12	12
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	36 + 37	38 + 39	38 + 39
GWP Tonnes Equivalent CO_2		tCO2	75 + 77	79 + 81	79 + 81
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1900	1953	2175
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	744.4	793.7	579.2
Nominal Input - Mechanical		kW	271.5	288.6	182.4
EER	(2)		2.74	2.75	3.17
ESEER			3.68	3.73	4.17
Nominal Output - Free Cooling		kW	534.6	578.7	545.4
Ambient temperature for 100% Free Cooling	(5)	°C	-1.8	-1.5	2.2
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	0.17
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	6940	7185	6770
Operating		kg	8030	8305	7715
Water Volume (Total Internal)		l	1090	1120	945
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 - EC Fans		m³/s	64.7	70.5	76.4
Quantity			11	12	13
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	24 + 30 + 31	28 + 30 + 31	35 + 39
GWP Tonnes Equivalent CO_2		tCO2	50 + 63 + 65	58 + 63 + 65	73 + 81
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2134	1758	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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	600.0	650.2	683.8
Nominal Input - Mechanical		kW	186.2	202.4	217.2
EER	(2)		3.22	3.21	3.15
ESEER			4.23	4.20	4.12
Nominal Output - Free Cooling		kW	577.8	597.3	608.9
Ambient temperature for 100% Free Cooling	(5)	°C	2.5	1.9	1.5
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	0.17	0.18
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	6900	7070	7245
Operating		kg	7870	8030	8340
Water Volume (Total Internal)		l	970	960	1095
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 - EC Fans		m³/s	82.3	82.3	82.3
Quantity			14	14	14
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	40 + 39	42 + 41	42 + 46
GWP Tonnes Equivalent CO_2		tCO2	84 + 81	88 + 86	88 + 96
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1912	1966	2191
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	723.9	781.8	820.9
Nominal Input - Mechanical		kW	241.9	260.6	291.9
EER	(2)		2.99	3.00	2.81
ESEER			3.91	3.91	3.79
Nominal Output - Free Cooling		kW	595.1	641.2	619.0
Ambient temperature for 100% Free Cooling	(5)	°C	0.4	0.3	-1
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	7435	7725	7830
Operating		kg	8685	8985	9205
Water Volume (Total Internal)		l	1250	1260	1375
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 - EC Fans		m³/s	76.4	82.3	76.4
Quantity			13	14	13
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	26 + 29 + 33	27 + 34 + 34	31 + 33 + 37
GWP Tonnes Equivalent CO_2		tCO2	54 + 61 + 69	56 + 71 + 71	65 + 69 + 77
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2150	2181	1757
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	847.2	737.4	828.8
Nominal Input - Mechanical		kW	295.0	232.1	278.4
EER	(2)		2.87	3.18	2.98
ESEER			3.83	4.11	3.89
Nominal Output - Free Cooling		kW	657.7	683.2	668.1
Ambient temperature for 100% Free Cooling	(5)	°C	-0.5	2	1.1
Capacity Steps		%	10-25-35-45-60-70-80-90-100	15-30-45-60-75-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.11	0.16	0.12
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	7965	8135	8325
Operating		kg	9360	9565	9715
Water Volume (Total Internal)		l	1395	1430	1390
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 - EC Fans		m³/s	82.3	94.0	88.2
Quantity			14	16	15
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	31 + 37 + 37	30 + 33 + 35	32 + 34 + 35
GWP Tonnes Equivalent CO_2		tCO2	65 + 77 + 77	63 + 69 + 73	67 + 71 + 73
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1757	2181	1779
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	849.9	889.2	916.4
Nominal Input - Mechanical		kW	281.7	299.4	314.8
EER	(2)		3.02	2.97	2.91
ESEER			3.97	3.93	3.94
Nominal Output - Free Cooling		kW	703.6	699.8	706.3
Ambient temperature for 100% Free Cooling	(5)	°C	1.4	-0.3	-0.6
Capacity Steps		%	10-25-35-45-55-70-80-90-100	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	0.12
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	8530	8450	8530
Operating		kg	10065	9945	10035
Water Volume (Total Internal)		l	1535	1495	1505
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 - EC Fans		m³/s	94.0	88.2	88.2
Quantity			16	15	15
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	34 + 37 + 40	37 + 39 + 40	37 + 39 + 40
GWP Tonnes Equivalent CO_2		tCO2	71 + 77 + 84	77 + 81 + 84	77 + 81 + 84
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1777	1923	1923
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	943.7	963.8	795.0
Nominal Input - Mechanical		kW	330.3	345.1	250.6
EER	(2)		2.86	2.79	3.17
ESEER			3.88	3.84	4.08
Nominal Output - Free Cooling		kW	712.6	717.1	730.1
Ambient temperature for 100% Free Cooling	(5)	°C	-0.9	-1.2	1.9
Capacity Steps		%	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100	15-30-40-55-65-80-90-100
Minimum Turndown Ratio			0.11	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	8585	8640	8820
Operating		kg	10085	10140	10345
Water Volume (Total Internal)		l	1500	1500	1525
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 - EC Fans		m³/s	88.2	88.2	99.9
Quantity			15	15	17
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	37 + 39 + 40	37 + 39 + 40	31 + 37 + 38
GWP Tonnes Equivalent CO_2		tCO2	77 + 81 + 84	77 + 81 + 84	65 + 77 + 79
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1923	2115	2213
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	841.2	871.0	909.7
Nominal Input - Mechanical		kW	268.3	285.0	289.7
EER	(2)		3.14	3.06	3.14
ESEER			4.04	3.99	4.13
Nominal Output - Free Cooling		kW	772.6	737.6	796.1
Ambient temperature for 100% Free Cooling	(5)	°C	1.9	1.7	1.2
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			0.12	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	9075	9055	9245
Operating		kg	10625	10710	10920
Water Volume (Total Internal)		l	1550	1655	1675
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 - EC Fans		m³/s	105.8	99.9	105.8
Quantity			18	17	18
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	35 + 37 + 38	35 + 40 + 41	40 + 42 + 43
GWP Tonnes Equivalent CO_2		tCO2	73 + 77 + 79	73 + 84 + 86	84 + 88 + 90
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1794	1777	1940
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	941.5	973.4	997.6
Nominal Input - Mechanical		kW	305.0	320.3	335.0
EER	(2)		3.09	3.04	2.98
ESEER			4.09	4.03	3.99
Nominal Output - Free Cooling		kW	806.0	815.3	822.0
Ambient temperature for 100% Free Cooling	(5)	°C	0.9	0.6	0.4
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	0.12
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	9305	9370	9405
Operating		kg	10975	11040	11080
Water Volume (Total Internal)		l	1670	1670	1675
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 - EC Fans		m³/s	105.8	105.8	105.8
Quantity			18	18	18
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	40 + 42 + 43	40 + 42 + 43	40 + 42 + 43
GWP Tonnes Equivalent CO_2		tCO2	84 + 88 + 90	84 + 88 + 90	84 + 88 + 90
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1940	1940	2134
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	861.8	882.6	921.7
Nominal Input - Mechanical		kW	272.1	275.9	281.0
EER	(2)		3.17	3.20	3.28
ESEER			4.10	4.17	4.25
Nominal Output - Free Cooling		kW	806.0	838.5	878.2
Ambient temperature for 100% Free Cooling	(5)	°C	2.1	2.3	2.4
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	0.12
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	9605	9745	10265
Operating		kg	11400	11575	12190
Water Volume (Total Internal)		l	1795	1830	1925
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 - EC Fans		m³/s	111.7	117.6	123.4
Quantity			19	20	21
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	38 + 39 + 45	38 + 43 + 45	45 + 44 + 48
GWP Tonnes Equivalent CO_2		tCO2	79 + 81 + 94	79 + 90 + 94	94 + 92 + 100
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1792	1792	1953
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	953.9	986.1	1010.3
Nominal Input - Mechanical		kW	295.7	310.4	324.5
EER	(2)		3.23	3.18	3.11
ESEER			4.21	4.15	4.12
Nominal Output - Free Cooling		kW	891.0	903.1	911.8
Ambient temperature for 100% Free Cooling	(5)	°C	2.1	1.8	1.7
Capacity Steps		%	10-20-35-45-55-70-80-90-100	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	0.12
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	10315	10375	10425
Operating		kg	12245	12305	12350
Water Volume (Total Internal)		l	1930	1930	1925
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 - EC Fans		m³/s	123.4	123.4	123.4
Quantity			21	21	21
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48
GWP Tonnes Equivalent CO_2		tCO2	94 + 92 + 100	94 + 92 + 100	94 + 92 + 100
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1953	1953	2149
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	463.7	478.6	503.7
Nominal Input - Mechanical		kW	163.7	169.2	172.0
EER	(2)		2.83	2.83	2.93
ESEER			4.06	3.91	3.94
Nominal Output - Free Cooling		kW	326.7	329.1	361.1
Ambient temperature for 100% Free Cooling	(5)	°C	-2.1	-2.5	-1.8
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	0.24
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	5605	5485	5615
Operating		kg	6340	6215	6370
Water Volume (Total Internal)		l	735	730	755
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 - EC Fans		m³/s	36.0	36.0	40.0
Quantity			9	9	10
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	27 + 32	28 + 33	28 + 37
GWP Tonnes Equivalent CO_2		tCO2	56 + 67	58 + 69	58 + 77
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1393	2197	2197
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	520.1	484.0	500.7
Nominal Input - Mechanical		kW	186.4	155.8	160.7
EER	(2)		2.79	3.11	3.12
ESEER			3.97	4.21	4.11
Nominal Output - Free Cooling		kW	355.4	382.4	386.4
Ambient temperature for 100% Free Cooling	(5)	°C	-1.1	-0.2	-0.6
Capacity Steps		%	20-35-55-70-85-100	15-35-50-70-85-100	25-45-65-85-100
Minimum Turndown Ratio			0.19	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	5745	6250	6130
Operating		kg	6495	7075	6950
Water Volume (Total Internal)		l	750	825	820
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 - EC Fans		m³/s	40.0	44.0	44.0
Quantity			10	11	11
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	32 + 33	31 + 35	31 + 36
GWP Tonnes Equivalent CO_2		tCO2	67 + 69	65 + 73	65 + 75
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1774	1408	2227
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	523.9	544.8	541.0
Nominal Input - Mechanical		kW	164.4	189.2	178.0
EER	(2)		3.19	2.88	3.04
ESEER			4.13	4.00	4.10
Nominal Output - Free Cooling		kW	416.1	385.9	420.3
Ambient temperature for 100% Free Cooling	(5)	°C	-0.2	-0.6	-0.5
Capacity Steps		%	25-45-65-85-100	20-35-55-70-85-100	20-35-55-70-85-100
Minimum Turndown Ratio			0.23	0.18	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	6255	6265	6390
Operating		kg	7100	7085	7235
Water Volume (Total Internal)		l	845	820	845
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 - EC Fans		m³/s	48.0	44.0	48.0
Quantity			12	11	12
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	31 + 40	32 + 37	35 + 36
GWP Tonnes Equivalent CO_2		tCO2	65 + 84	67 + 77	73 + 75
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2227	1774	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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	569.5	608.9	635.5
Nominal Input - Mechanical		kW	192.1	209.6	225.9
EER	(2)		2.96	2.91	2.81
ESEER			4.14	4.12	4.02
Nominal Output - Free Cooling		kW	426.6	434.1	438.4
Ambient temperature for 100% Free Cooling	(5)	°C	-1.1	-1.9	-2.5
Capacity Steps		%	20-35-55-70-85-100	20-35-55-70-85-100	20-35-55-70-85-100
Minimum Turndown Ratio			0.18	0.18	0.19
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	6420	6585	6635
Operating		kg	7265	7425	7475
Water Volume (Total Internal)		l	845	840	840
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 - EC Fans		m³/s	48.0	48.0	48.0
Quantity			12	12	12
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	36 + 37	38 + 39	38 + 39
GWP Tonnes Equivalent CO_2		tCO2	75 + 77	79 + 81	79 + 81
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1900	1953	2175
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	498.0	515.9	538.1
Nominal Input - Mechanical		kW	151.0	155.5	159.6
EER	(2)		3.30	3.32	3.37
ESEER			4.32	4.25	4.26
Nominal Output - Free Cooling		kW	430.0	435.9	463.7
Ambient temperature for 100% Free Cooling	(5)	°C	1	0.7	1
Capacity Steps		%	15-35-50-70-85-100	25-45-65-85-100	25-45-65-80-100
Minimum Turndown Ratio			0.16	0.24	0.23
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	6890	6780	6905
Operating		kg	7835	7720	7870
Water Volume (Total Internal)		l	945	940	965
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 - EC Fans		m³/s	52.0	52.0	56.0
Quantity			13	13	14
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	34 + 38	35 + 38	35 + 42
GWP Tonnes Equivalent CO_2		tCO2	71 + 79	73 + 79	73 + 88
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1418	2252	2252
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	563.9	555.9	586.7
Nominal Input - Mechanical		kW	181.7	172.6	185.4
EER	(2)		3.10	3.22	3.16
ESEER			4.19	4.27	4.24
Nominal Output - Free Cooling		kW	449.8	469.5	478.8
Ambient temperature for 100% Free Cooling	(5)	°C	-0.1	0.7	0.2
Capacity Steps		%	15-35-50-70-85-100	20-35-50-70-85-100	20-35-55-70-85-100
Minimum Turndown Ratio			0.17	0.18	0.18
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	6935	7055	7070
Operating		kg	7875	8025	8040
Water Volume (Total Internal)		l	940	970	970
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 - EC Fans		m³/s	52.0	56.0	56.0
Quantity			13	14	14
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	35 + 39	39 + 38	40 + 39
GWP Tonnes Equivalent CO_2		tCO2	73 + 81	81 + 79	84 + 81
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1789	1800	1912
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	629.5	658.3	683.2
Nominal Input - Mechanical		kW	201.6	216.8	243.7
EER	(2)		3.12	3.04	2.80
ESEER			4.23	4.15	3.90
Nominal Output - Free Cooling		kW	490.0	496.4	477.4
Ambient temperature for 100% Free Cooling	(5)	°C	-0.5	-1	-2.2
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	7225	7400	7695
Operating		kg	8185	8495	8945
Water Volume (Total Internal)		l	960	1095	1250
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 - EC Fans		m³/s	56.0	56.0	52.0
Quantity			14	14	13
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	42 + 41	42 + 41	26 + 29 + 33
GWP Tonnes Equivalent CO_2		tCO2	88 + 86	88 + 86	54 + 61 + 69
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1966	2191	2150
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	737.6	577.7	599.6
Nominal Input - Mechanical		kW	262.2	176.8	180.9
EER	(2)		2.81	3.27	3.31
ESEER			3.93	4.29	4.33
Nominal Output - Free Cooling		kW	514.2	497.2	524.5
Ambient temperature for 100% Free Cooling	(5)	°C	-2.3	1	1.2
Capacity Steps		%	15-30-45-55-70-80-90-100	15-35-50-70-85-100	20-35-50-70-85-100
Minimum Turndown Ratio			0.16	0.17	0.18
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	7990	7505	7655
Operating		kg	9250	8590	8765
Water Volume (Total Internal)		l	1260	1085	1110
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 - EC Fans		m³/s	56.0	60.0	64.0
Quantity			14	15	16
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	27 + 34 + 34	39 + 42	44 + 42
GWP Tonnes Equivalent CO_2		tCO2	56 + 71 + 71	81 + 88	92 + 88
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2181	1800	1922
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	645.0	675.4	715.1
Nominal Input - Mechanical		kW	196.1	210.5	231.1
EER	(2)		3.29	3.21	3.09
ESEER			4.32	4.24	4.11
Nominal Output - Free Cooling		kW	539.6	548.6	561.3
Ambient temperature for 100% Free Cooling	(5)	°C	0.6	0.2	-0.3
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 9374	2682 x 2200 x 9374	2682 x 2200 x 9374
Weight					
Machine	(3)	kg	7800	7975	8410
Operating		kg	8905	9210	9835
Water Volume (Total Internal)		l	1105	1235	1425
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 - EC Fans		m³/s	64.0	64.0	64.0
Quantity			16	16	16
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	46 + 44	46 + 44	30 + 33 + 35
GWP Tonnes Equivalent CO_2		tCO2	96 + 92	96 + 92	63 + 69 + 73
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1977	2204	2181
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	783.1	808.5	770.0
Nominal Input - Mechanical		kW	279.8	282.8	249.6
EER	(2)		2.80	2.86	3.08
ESEER			3.94	4.01	4.10
Nominal Output - Free Cooling		kW	549.4	581.7	598.8
Ambient temperature for 100% Free Cooling	(5)	°C	-2.2	-1.7	-0.5
Capacity Steps		%	10-25-35-50-60-70-80-90-100	10-25-35-50-60-70-80-90-100	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	8565	8800	9075
Operating		kg	9955	10335	10600
Water Volume (Total Internal)		l	1390	1535	1525
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 - EC Fans		m³/s	60.0	64.0	68.0
Quantity			15	16	17
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	32 + 34 + 35	34 + 37 + 40	31 + 37 + 38
GWP Tonnes Equivalent CO_2		tCO2	67 + 71 + 73	71 + 77 + 84	65 + 77 + 79
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1779	1777	2211
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	814.8	832.8	872.0
Nominal Input - Mechanical		kW	267.3	285.6	289.7
EER	(2)		3.05	2.92	3.01
ESEER			4.07	4.03	4.12
Nominal Output - Free Cooling		kW	633.7	612.7	646.6
Ambient temperature for 100% Free Cooling	(5)	°C	-0.5	-1.4	-1.2
Capacity Steps		%	10-25-35-50-60-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-50-60-70-80-90-100
Minimum Turndown Ratio			0.12	0.12	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	9325	9315	9480
Operating		kg	10875	10975	11150
Water Volume (Total Internal)		l	1550	1660	1670
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 - EC Fans		m³/s	72.0	68.0	72.0
Quantity			18	17	18
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	35 + 37 + 38	35 + 40 + 41	40 + 42 + 43
GWP Tonnes Equivalent CO_2		tCO2	73 + 77 + 79	73 + 84 + 86	84 + 88 + 90
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1794	1777	1940
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	897.8	923.6	942.6
Nominal Input - Mechanical		kW	305.9	322.2	337.7
EER	(2)		2.93	2.87	2.79
ESEER			4.12	4.07	4.04
Nominal Output - Free Cooling		kW	651.7	656.5	659.8
Ambient temperature for 100% Free Cooling	(5)	°C	-1.6	-1.9	-2.2
Capacity Steps		%	10-25-35-50-60-70-80-90-100	10-25-35-50-60-70-80-90-100	10-25-35-50-60-70-80-90-100
Minimum Turndown Ratio			0.12	0.12	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	9565	9615	9675
Operating		kg	11235	11290	11350
Water Volume (Total Internal)		l	1670	1675	1675
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 - EC Fans		m³/s	72.0	72.0	72.0
Quantity			18	18	18
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	40 + 42 + 43	40 + 42 + 43	40 + 42 + 43
GWP Tonnes Equivalent CO_2		tCO2	84 + 88 + 90	84 + 88 + 90	84 + 88 + 90
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1940	1940	2134
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	736.7	792.6	837.7
Nominal Input - Mechanical		kW	223.6	241.8	271.0
EER	(2)		3.30	3.28	3.09
ESEER			4.25	4.22	4.13
Nominal Output - Free Cooling		kW	633.3	672.3	663.6
Ambient temperature for 100% Free Cooling	(5)	°C	1	0.8	-0.2
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 11638	2682 x 2200 x 11638	2682 x 2200 x 11638
Weight					
Machine	(3)	kg	9465	9755	9870
Operating		kg	11140	11445	11665
Water Volume (Total Internal)		l	1675	1690	1795
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 - EC Fans		m³/s	76.0	80.0	76.0
Quantity			19	20	19
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	33 + 35 + 40	34 + 39 + 42	38 + 39 + 45
GWP Tonnes Equivalent CO_2		tCO2	69 + 73 + 84	71 + 81 + 88	79 + 81 + 94
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2203	2236	1792
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	736.7	792.6	837.7
Nominal Input - Mechanical		kW	223.6	241.8	271.0
EER	(2)		3.30	3.28	3.09
ESEER			4.25	4.22	4.13
Nominal Output - Free Cooling		kW	633.3	672.3	663.6
Ambient temperature for 100% Free Cooling	(5)	°C	1	0.8	-0.2
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 11638	2682 x 2200 x 11638	2682 x 2200 x 11638
Weight					
Machine	(3)	kg	9465	9755	9870
Operating		kg	11140	11445	11665
Water Volume (Total Internal)		l	1675	1690	1795
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 - EC Fans		m³/s	76.0	80.0	76.0
Quantity			19	20	19
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	33 + 35 + 40	34 + 39 + 42	38 + 39 + 45
GWP Tonnes Equivalent CO_2		tCO2	69 + 73 + 84	71 + 81 + 88	79 + 81 + 94
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	2203	2236	1792
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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			Yes	Yes	Yes	Yes
Enhance Capital Allowance			No	No	No	No
Number of Refrigeration Circuits			3	3	3	3
Cooling Duty - EC Fans						
Nominal Output - Mechanical	(1)	kW	898.9	926.7	954.5	975.15
Nominal Input - Mechanical		kW	279.5	294.5	309.6	324.09
EER	(2)		3.22	3.15	3.08	3.01
ESEER			4.27	4.23	4.17	4.15
Nominal Output - Free Cooling		kW	725.9	733.4	740.3	745.17
Ambient temperature for 100% Free Cooling	(5)	°C	0.1	-0.2	-0.5	-0.8
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	10-25-35-50-60-70-80-90-100
Minimum Turndown Ratio			0.12	0.12	0.11	0.121
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	10515	10585	10635	10700
Operating		kg	12440	12515	12560	12625
Water Volume (Total Internal)		l	1925	1930	1925	1925
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 - EC Fans		m³/s	83.9	83.9	83.9	83.9
Quantity			21	21	21	21
Maximum Speed - EC Fans		rpm	725	725	725	725
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			R410A / 2088			
Charge (Total)		kg	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48
GWP Tonnes Equivalent CO_2		tCO2	94 + 92 + 100	94 + 92 + 100	94 + 92 + 100	94 + 92 + 100
Refrigerant Control			Electronic Expansion Valve (EEV)			
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	0.5
Water System						
Minimum System Water Volume	(4)	l	1953	1953	1953	2189.724
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.
All performance data supplied in accordance with BBS EN14511-1:2013
(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	292.9	303.4	331.7
Maximum Start Amps		A	568.5	566.8	595.1
Recommended Mains Fuse Size		A	315	355	355
Evaporator					
Immersion Heater Rating		W	170	170	170
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
Compressor - Per Compressor					
Nominal Run Amps		A	36 / 47.9	59.2 / 47.9	59.2 / 55.2
Quantity			3 + 3	2 + 3	2 + 3
Motor Rating		kW	22.7 / 29.8	36.2 / 29.8	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	210 / 326	298 / 326	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	281.1	287.2	308.4
Reactive power reduction/saving	(4)	kVAr	22.6	29.8	41.1
Maximum Start Amps		A	556.7	550.6	571.8
Recommended Mains Fuse Size		A	315	355	355
Electronic Soft-start					
Nominal Run Amps		A	292.9	303.4	331.7
Maximum Start Amps		A	438.1	436.4	464.7
Recommended Mains Fuse		A	315	355	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	281.1	287.2	308.4
Maximum Start Amps		A	426.3	420.2	441.4
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	307.5	318.0	346.4
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	321.1	331.7	360.1
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	304.3	314.7	342.8
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	315.2	325.4	353.3
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, EC 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	333.4	300.7	311.1
Maximum Start Amps		A	609.0	576.3	574.5
Recommended Mains Fuse Size		A	355	315	355
Evaporator					
Immersion Heater Rating		W	170	170	170
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
Compressor - Per Compressor					
Nominal Run Amps		A	47.9 / 47.9	36 / 47.9	59.2 / 47.9
Quantity			3 + 3	3 + 3	2 + 3
Motor Rating		kW	29.8 / 29.8	22.7 / 29.8	36.2 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326	210 / 326	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	318.3	288.9	295.0
Reactive power reduction/saving	(4)	kVAr	28.5	22.6	29.9
Maximum Start Amps		A	593.9	564.5	558.4
Recommended Mains Fuse Size		A	355	315	355
Electronic Soft-start					
Nominal Run Amps		A	333.4	300.7	311.1
Maximum Start Amps		A	478.6	445.9	444.1
Recommended Mains Fuse		A	355	315	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	318.3	288.9	295.0
Maximum Start Amps		A	463.5	434.1	428.0
Recommended Mains Fuse Size		A	355.0	315.0	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	348.0	315.2	325.7
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	361.6	321.6	332.1
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	344.7	312.1	322.4
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	355.5	317.1	327.3
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, EC 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	339.4	361.5	341.1
Maximum Start Amps		A	602.8	628.9	616.7
Recommended Mains Fuse Size		A	400	400	355
Evaporator					
Immersion Heater Rating		W	170	170	170
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	59.2 / 55.2	47.9 / 55.2	47.9 / 47.9
Quantity			2 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 33.1	29.8 / 33.1	29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	316.2	339.5	326.1
Reactive power reduction/saving	(4)	kVAr	41.1	39.7	28.5
Maximum Start Amps		A	579.6	606.9	601.7
Recommended Mains Fuse Size		A	400	400	355
Electronic Soft-start					
Nominal Run Amps		A	339.4	361.5	341.1
Maximum Start Amps		A	472.4	498.5	486.3
Recommended Mains Fuse		A	400	400	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	316.2	339.5	326.1
Maximum Start Amps		A	449.2	476.5	471.3
Recommended Mains Fuse Size		A	400.0	400.0	355.0
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	360.5	382.5	362.1
Recommended Mains Fuse Size		A	400	400	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	367.8	389.8	369.3
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	355.3	377.5	357.4
Recommended Mains Fuse Size		A	400	400	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	361.0	383.3	363.3
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, EC 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	390.0	402.0	414.1
Maximum Start Amps		A	657.4	665.4	649.5
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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 / 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	326 / 326	326 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	360.7	374.4	388.0
Reactive power reduction/saving	(4)	kVAr	50.9	48.9	46.8
Maximum Start Amps		A	628.1	637.8	623.4
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	390.0	402.0	414.1
Maximum Start Amps		A	527.0	535.0	530.3
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	360.7	374.4	388.0
Maximum Start Amps		A	497.7	507.4	504.2
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	411.1	423.1	442.5
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	418.4	430.4	448.9
Recommended Mains Fuse Size		A	450	450	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	405.7	417.9	435.8
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	411.4	423.6	440.9
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, EC 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	440.1	308.5	318.9
Maximum Start Amps		A	703.5	584.1	582.3
Recommended Mains Fuse Size		A	500	355	355
Evaporator					
Immersion Heater Rating		W	250	170	170
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	59.2 / 59.2 / 47.9	36 / 47.9	59.2 / 47.9
Quantity			2 + 2 + 3	3 + 3	2 + 3
Motor Rating		kW	36.2 / 36.2 / 29.8	22.7 / 29.8	36.2 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 326	210 / 326	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	415.2	296.7	302.7
Reactive power reduction/saving	(4)	kVAr	45.4	22.7	29.9
Maximum Start Amps		A	678.6	572.3	566.1
Recommended Mains Fuse Size		A	500	355	355
Electronic Soft-start					
Nominal Run Amps		A	440.1	308.5	318.9
Maximum Start Amps		A	573.1	453.7	451.9
Recommended Mains Fuse		A	500	355	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	415.2	296.7	302.7
Maximum Start Amps		A	548.2	441.9	435.7
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	468.4	323.0	333.5
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	474.9	329.3	339.8
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	462.0	319.9	330.2
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	467.1	324.9	335.1
Recommended Mains Fuse Size		A	500	355	355
Motor Rating		kW	20.7	12.4	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	347.1	348.9	369.2
Maximum Start Amps		A	610.5	624.5	636.6
Recommended Mains Fuse Size		A	400	400	400
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 47.9	47.9 / 55.2
Quantity			2 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 33.1	29.8 / 29.8	29.8 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	324.0	333.8	347.3
Reactive power reduction/saving	(4)	kVAr	41.2	28.6	39.8
Maximum Start Amps		A	587.4	609.4	614.7
Recommended Mains Fuse Size		A	400	400	400
Electronic Soft-start					
Nominal Run Amps		A	347.1	348.9	369.2
Maximum Start Amps		A	480.1	494.1	506.2
Recommended Mains Fuse		A	400	400	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	324.0	333.8	347.3
Maximum Start Amps		A	457.0	479.0	484.3
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	361.8	369.8	390.2
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	368.2	377.1	397.5
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	358.2	365.2	385.3
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	363.1	371.1	391.0
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, EC 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	397.6	409.7	421.8
Maximum Start Amps		A	665.0	673.1	657.2
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	326 / 326	326 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	368.5	382.1	395.8
Reactive power reduction/saving	(4)	kVAr	51.0	48.9	46.8
Maximum Start Amps		A	635.9	645.5	631.2
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	397.6	409.7	421.8
Maximum Start Amps		A	534.6	542.7	538.0
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	368.5	382.1	395.8
Maximum Start Amps		A	505.5	515.1	512.0
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	418.7	430.8	442.9
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	426.0	438.1	450.2
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	425.6	437.8
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	431.3	443.6
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, EC 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	470.1	500.1	376.9
Maximum Start Amps		A	733.5	775.7	644.3
Recommended Mains Fuse Size		A	500	560	400
Evaporator					
Immersion Heater Rating		W	250	250	170
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 / 47.9 / 47.9	47.9 / 47.9 / 47.9	47.9 / 55.2
Quantity			2 + 3 + 3	3 + 3 + 3	3 + 3
Motor Rating		kW	36.2 / 29.8 / 29.8	29.8 / 29.8 / 29.8	29.8 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326 / 326	326 / 326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	446.3	477.4	355.0
Reactive power reduction/saving	(4)	kVAr	44.1	42.7	39.8
Maximum Start Amps		A	709.7	753.0	622.4
Recommended Mains Fuse Size		A	500	560	400
Electronic Soft-start					
Nominal Run Amps		A	470.1	500.1	376.9
Maximum Start Amps		A	603.1	645.3	513.9
Recommended Mains Fuse		A	500	560	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	446.3	477.4	355.0
Maximum Start Amps		A	579.3	622.6	492.0
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	498.3	528.3	398.0
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	504.8	534.7	405.2
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	492.0	522.2	393.0
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	497.2	527.3	398.8
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, EC 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			25	26	27
Unit Data			DCF062DR-14DVV0	DCF066DR-14FVW0	DCF070DR-14FWW0
Nominal Run Amps	(1)	A	405.3	417.4	429.6
Maximum Start Amps		A	672.7	680.8	665.0
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	326 / 326	326 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	376.3	389.9	403.6
Reactive power reduction/saving	(4)	kVAr	51.0	49.0	46.9
Maximum Start Amps		A	643.7	653.3	639.0
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	405.3	417.4	429.6
Maximum Start Amps		A	542.3	550.4	545.8
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	376.3	389.9	403.6
Maximum Start Amps		A	513.3	522.9	519.8
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	426.4	438.5	450.6
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	433.7	445.8	457.9
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	421.2	433.4	445.6
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	426.9	439.1	451.3
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, EC 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	451.7	481.7	528.1
Maximum Start Amps		A	715.1	745.1	795.5
Recommended Mains Fuse Size		A	500	500	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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 / 47.9	59.2 / 47.9 / 47.9	47.9 / 47.9 / 55.2
Quantity			2 + 2 + 3	2 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 29.8 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 326	298 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	426.9	458.0	498.6
Reactive power reduction/saving	(4)	kVAr	45.5	44.1	53.9
Maximum Start Amps		A	690.3	721.4	766.0
Recommended Mains Fuse Size		A	500	500	560
Electronic Soft-start					
Nominal Run Amps		A	451.7	481.7	528.1
Maximum Start Amps		A	584.7	614.7	665.1
Recommended Mains Fuse		A	500	500	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	426.9	458.0	498.6
Maximum Start Amps		A	559.9	591.0	635.6
Recommended Mains Fuse Size		A	500.0	500.0	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	472.7	509.9	556.4
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	480.0	516.4	562.9
Recommended Mains Fuse Size		A	500	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	467.8	503.7	550.0
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	473.6	508.8	555.1
Recommended Mains Fuse Size		A	500	560	630
Motor Rating		kW	16.8	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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			31	32	33
Unit Data			DCF085TR-14HYVV	DCF075TR-16GPPY	DCF082TR-15GYYY
Nominal Run Amps	(1)	A	556.4	463.3	511.7
Maximum Start Amps		A	823.8	726.7	787.3
Recommended Mains Fuse Size		A	630	500	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 55.2 / 55.2	59.2 / 59.2 / 47.9	47.9 / 47.9 / 47.9
Quantity			3 + 3 + 3	2 + 2 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 33.1 / 33.1	36.2 / 36.2 / 29.8	29.8 / 29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	298 / 298 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	519.8	438.6	489.1
Reactive power reduction/saving	(4)	kVAr	65.2	45.6	42.8
Maximum Start Amps		A	787.2	702.0	764.7
Recommended Mains Fuse Size		A	630	500	560
Electronic Soft-start					
Nominal Run Amps		A	556.4	463.3	511.7
Maximum Start Amps		A	693.4	596.3	656.9
Recommended Mains Fuse		A	630	500	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	519.8	438.6	489.1
Maximum Start Amps		A	656.8	571.6	634.3
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	584.8	484.3	539.9
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	591.3	491.6	546.4
Recommended Mains Fuse Size		A	630	560	560
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	578.0	479.5	533.8
Recommended Mains Fuse Size		A	630	500	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	583.1	485.2	539.0
Recommended Mains Fuse Size		A	630	560	560
Motor Rating		kW	20.7	16.8	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	539.7	584.9	597.0
Maximum Start Amps		A	807.1	852.3	860.4
Recommended Mains Fuse Size		A	560	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 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	29.8 / 29.8 / 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	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	510.3	541.0	554.7
Reactive power reduction/saving	(4)	kVAr	54.0	76.4	74.3
Maximum Start Amps		A	777.7	808.4	818.1
Recommended Mains Fuse Size		A	560	630	630
Electronic Soft-start					
Nominal Run Amps		A	539.7	584.9	597.0
Maximum Start Amps		A	676.7	721.9	730.0
Recommended Mains Fuse		A	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	510.3	541.0	554.7
Maximum Start Amps		A	647.3	678.0	687.7
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	568.0	613.3	625.4
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	574.5	619.8	631.9
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	561.6	606.3	618.5
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	566.7	611.4	623.5
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, EC 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			37	38	39
Unit Data			DCF094TR-15HVWW	DCF096TR-15HWWW	DCF080TR-17GPYY
Nominal Run Amps	(1)	A	609.1	621.2	493.3
Maximum Start Amps		A	872.5	856.6	756.7
Recommended Mains Fuse Size		A	630	670	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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 / 47.9 / 47.9
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 / 29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 298 / 298	298 / 298 / 298	298 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	568.4	582.1	469.7
Reactive power reduction/saving	(4)	kVAr	72.3	70.2	44.2
Maximum Start Amps		A	831.8	817.5	733.1
Recommended Mains Fuse Size		A	630	670	560
Electronic Soft-start					
Nominal Run Amps		A	609.1	621.2	493.3
Maximum Start Amps		A	742.1	737.4	626.3
Recommended Mains Fuse		A	630	670	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	568.4	582.1	469.7
Maximum Start Amps		A	701.4	698.3	602.7
Recommended Mains Fuse Size		A	630.0	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	637.4	656.0	521.5
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	643.9	662.4	528.0
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	630.6	647.9	515.3
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	635.7	652.8	520.5
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, EC 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	523.4	568.0	596.5
Maximum Start Amps		A	799.0	835.4	863.9
Recommended Mains Fuse Size		A	560	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 47.9	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 29.8	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	500.7	531.5	552.7
Reactive power reduction/saving	(4)	kVAr	42.8	65.2	76.5
Maximum Start Amps		A	776.3	798.9	820.1
Recommended Mains Fuse Size		A	560	630	630
Electronic Soft-start					
Nominal Run Amps		A	523.4	568.0	596.5
Maximum Start Amps		A	668.6	705.0	733.5
Recommended Mains Fuse		A	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	500.7	531.5	552.7
Maximum Start Amps		A	645.9	668.5	689.7
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	551.5	596.3	624.9
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	558.0	602.8	631.4
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	545.5	589.6	617.9
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	550.7	594.7	622.9
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, EC 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			43	44	45
Unit Data			DCF095TR-18HVVW	DCF098TR-18HVWW	DCF100TR-18HWWW
Nominal Run Amps	(1)	A	608.5	620.6	632.8
Maximum Start Amps		A	871.9	884.0	868.2
Recommended Mains Fuse Size		A	630	670	670
Evaporator					
Immersion Heater Rating		W	250	250	250
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	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	566.4	580.1	593.7
Reactive power reduction/saving	(4)	kVAr	74.4	72.3	70.3
Maximum Start Amps		A	829.8	843.5	829.1
Recommended Mains Fuse Size		A	630	670	670
Electronic Soft-start					
Nominal Run Amps		A	608.5	620.6	632.8
Maximum Start Amps		A	741.5	753.6	749.0
Recommended Mains Fuse		A	630	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	566.4	580.1	593.7
Maximum Start Amps		A	699.4	713.1	709.9
Recommended Mains Fuse Size		A	630.0	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	636.9	649.0	667.6
Recommended Mains Fuse Size		A	670	670	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	643.4	655.5	674.0
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	630.1	642.2	659.5
Recommended Mains Fuse Size		A	670	670	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	635.1	647.3	664.4
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, EC 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	551.3	579.6	608.0
Maximum Start Amps		A	818.7	847.0	875.4
Recommended Mains Fuse Size		A	630	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 55.2	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 33.1	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	522.0	543.2	564.4
Reactive power reduction/saving	(4)	kVAr	54.1	65.3	76.6
Maximum Start Amps		A	789.4	810.6	831.8
Recommended Mains Fuse Size		A	630	630	630
Electronic Soft-start					
Nominal Run Amps		A	551.3	579.6	608.0
Maximum Start Amps		A	688.3	716.6	745.0
Recommended Mains Fuse		A	630	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	522.0	543.2	564.4
Maximum Start Amps		A	659.0	680.2	701.4
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	579.6	607.9	636.4
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	586.1	614.4	642.9
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	573.2	601.2	629.5
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	578.4	606.3	634.5
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, EC 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			49	50	51
Unit Data			DCF098TR-21HVVW	DCF101TR-21HVWW	DCF103TR-21HWWW
Nominal Run Amps	(1)	A	620.1	632.2	644.4
Maximum Start Amps		A	883.5	895.6	879.8
Recommended Mains Fuse Size		A	670	670	670
Evaporator					
Immersion Heater Rating		W	250	250	250
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	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	578.0	591.7	605.4
Reactive power reduction/saving	(4)	kVAr	74.5	72.4	70.3
Maximum Start Amps		A	841.4	855.1	840.8
Recommended Mains Fuse Size		A	670	670	670
Electronic Soft-start					
Nominal Run Amps		A	620.1	632.2	644.4
Maximum Start Amps		A	753.1	765.2	760.6
Recommended Mains Fuse		A	670	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	578.0	591.7	605.4
Maximum Start Amps		A	711.0	724.7	721.6
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	35.0	35.0
Unit Nominal Run Amps		A	648.4	667.0	679.1
Recommended Mains Fuse Size		A	670	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	654.9	673.5	685.6
Recommended Mains Fuse Size		A	710	710	710
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	641.6	658.9	671.2
Recommended Mains Fuse Size		A	670	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	646.7	663.7	676.0
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, EC 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	300.7	311.1	339.4
Maximum Start Amps		A	576.3	574.5	602.8
Recommended Mains Fuse Size		A	315	355	400
Evaporator					
Immersion Heater Rating		W	170	170	170
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	36 / 47.9	59.2 / 47.9	59.2 / 55.2
Quantity			3 + 3	2 + 3	2 + 3
Motor Rating		kW	22.7 / 29.8	36.2 / 29.8	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	210 / 326	298 / 326	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	288.9	295.0	316.2
Reactive power reduction/saving	(4)	kVAr	22.6	29.9	41.1
Maximum Start Amps		A	564.5	558.4	579.6
Recommended Mains Fuse Size		A	315	355	400
Electronic Soft-start					
Nominal Run Amps		A	300.7	311.1	339.4
Maximum Start Amps		A	445.9	444.1	472.4
Recommended Mains Fuse		A	315	355	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	288.9	295.0	316.2
Maximum Start Amps		A	434.1	428.0	449.2
Recommended Mains Fuse Size		A	315	355	400
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	14.8
Unit Nominal Run Amps		A	315.2	325.7	354.1
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	321.6	332.1	360.5
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	312.1	322.4	350.5
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	317.1	327.3	355.3
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, EC 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	341.1	308.5	318.9
Maximum Start Amps		A	616.7	584.1	582.3
Recommended Mains Fuse Size		A	355	355	355
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 47.9	36 / 47.9	59.2 / 47.9
Quantity			3 + 3	3 + 3	2 + 3
Motor Rating		kW	29.8 / 29.8	22.7 / 29.8	36.2 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326	210 / 326	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	326.1	296.7	302.7
Reactive power reduction/saving	(4)	kVAr	28.5	22.7	29.9
Maximum Start Amps		A	601.7	572.3	566.1
Recommended Mains Fuse Size		A	355	355	355
Electronic Soft-start					
Nominal Run Amps		A	341.1	308.5	318.9
Maximum Start Amps		A	486.3	453.7	451.9
Recommended Mains Fuse		A	355	355	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	326.1	296.7	302.7
Maximum Start Amps		A	471.3	441.9	435.7
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	355.7	323.0	333.5
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	21.2	21.2	21.2
Unit Nominal Run Amps		A	362.1	329.3	339.8
Recommended Mains Fuse Size		A	400	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	352.5	319.9	330.2
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	19.8	19.8	19.8
Unit Nominal Run Amps		A	357.4	324.9	335.1
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, EC 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	347.1	369.2	348.9
Maximum Start Amps		A	610.5	636.6	624.5
Recommended Mains Fuse Size		A	400	400	400
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 55.2	47.9 / 47.9
Quantity			2 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 33.1	29.8 / 33.1	29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	324.0	347.3	333.8
Reactive power reduction/saving	(4)	kVAr	41.2	39.8	28.6
Maximum Start Amps		A	587.4	614.7	609.4
Recommended Mains Fuse Size		A	400	400	400
Electronic Soft-start					
Nominal Run Amps		A	347.1	369.2	348.9
Maximum Start Amps		A	480.1	506.2	494.1
Recommended Mains Fuse		A	400	400	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	324.0	347.3	333.8
Maximum Start Amps		A	457.0	484.3	479.0
Recommended Mains Fuse Size		A	400	400	400
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	21.2	14.8
Unit Nominal Run Amps		A	361.8	390.2	363.5
Recommended Mains Fuse Size		A	400	450	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	368.2	397.5	369.8
Recommended Mains Fuse Size		A	400	450	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	358.2	385.3	360.3
Recommended Mains Fuse Size		A	400	450	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	363.1	391.0	365.2
Recommended Mains Fuse Size		A	400	450	400
Motor Rating		kW	12.4	16.8	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	397.6	409.7	421.8
Maximum Start Amps		A	665.0	673.1	657.2
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	326 / 326	326 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	368.5	382.1	395.8
Reactive power reduction/saving	(4)	kVAr	51.0	48.9	46.8
Maximum Start Amps		A	635.9	645.5	631.2
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	397.6	409.7	421.8
Maximum Start Amps		A	534.6	542.7	538.0
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	368.5	382.1	395.8
Maximum Start Amps		A	505.5	515.1	512.0
Recommended Mains Fuse Size		A	450	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	418.7	430.8	442.9
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	426.0	438.1	450.2
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	425.6	437.8
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	431.3	443.6
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, EC 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	316.2	326.6	354.8
Maximum Start Amps		A	591.8	590.0	618.2
Recommended Mains Fuse Size		A	355	355	400
Evaporator					
Immersion Heater Rating		W	170	170	170
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	36 / 47.9	59.2 / 47.9	59.2 / 55.2
Quantity			3 + 3	2 + 3	2 + 3
Motor Rating		kW	22.7 / 29.8	36.2 / 29.8	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	210 / 326	298 / 326	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	304.4	310.5	331.7
Reactive power reduction/saving	(4)	kVAr	22.7	30.0	41.2
Maximum Start Amps		A	580.0	573.9	595.1
Recommended Mains Fuse Size		A	355	355	400
Electronic Soft-start					
Nominal Run Amps		A	316.2	326.6	354.8
Maximum Start Amps		A	461.4	459.6	487.8
Recommended Mains Fuse		A	355	355	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	304.4	310.5	331.7
Maximum Start Amps		A	449.6	443.5	464.7
Recommended Mains Fuse Size		A	355	355	400
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	14.8
Unit Nominal Run Amps		A	330.7	341.2	369.5
Recommended Mains Fuse Size		A	355	400	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	337.1	347.6	375.9
Recommended Mains Fuse Size		A	355	400	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	327.7	337.9	365.9
Recommended Mains Fuse Size		A	355	400	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	332.6	342.8	370.8
Recommended Mains Fuse Size		A	355	400	400
Motor Rating		kW	12.4	12.4	12.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	376.9	356.7	405.3
Maximum Start Amps		A	644.3	632.3	672.7
Recommended Mains Fuse Size		A	400	400	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 55.2	47.9 / 47.9	55.2 / 55.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.8 / 33.1	29.8 / 29.8	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	355.0	341.6	376.3
Reactive power reduction/saving	(4)	kVAr	39.8	28.6	51.0
Maximum Start Amps		A	622.4	617.2	643.7
Recommended Mains Fuse Size		A	400	400	450
Electronic Soft-start					
Nominal Run Amps		A	376.9	356.7	405.3
Maximum Start Amps		A	513.9	501.9	542.3
Recommended Mains Fuse		A	400	400	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	355.0	341.6	376.3
Maximum Start Amps		A	492.0	486.8	513.3
Recommended Mains Fuse Size		A	400	400	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	14.8	14.8	21.2
Unit Nominal Run Amps		A	391.6	371.2	426.4
Recommended Mains Fuse Size		A	450	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	398.0	377.6	433.7
Recommended Mains Fuse Size		A	450	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	388.1	368.0	421.2
Recommended Mains Fuse Size		A	450	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	393.0	373.0	426.9
Recommended Mains Fuse Size		A	450	400	450
Motor Rating		kW	12.4	12.4	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	417.4	429.6	451.7
Maximum Start Amps		A	680.8	665.0	715.1
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	250
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 / 47.9
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 298	298 / 298	298 / 298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	389.9	403.6	426.9
Reactive power reduction/saving	(4)	kVAr	49.0	46.9	45.5
Maximum Start Amps		A	653.3	639.0	690.3
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	417.4	429.6	451.7
Maximum Start Amps		A	550.4	545.8	584.7
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	389.9	403.6	426.9
Maximum Start Amps		A	522.9	519.8	559.9
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	438.5	450.6	472.7
Recommended Mains Fuse Size		A	500	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	445.8	457.9	480.0
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	433.4	445.6	467.8
Recommended Mains Fuse Size		A	500	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	439.1	451.3	473.6
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, EC 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	481.7	384.7	413.0
Maximum Start Amps		A	745.1	652.1	680.4
Recommended Mains Fuse Size		A	500	450	450
Evaporator					
Immersion Heater Rating		W	250	170	170
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 / 47.9 / 47.9	47.9 / 55.2	55.2 / 55.2
Quantity			2 + 3 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 29.8 / 29.8	29.8 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	458.0	362.8	384.0
Reactive power reduction/saving	(4)	kVAr	44.1	39.8	51.1
Maximum Start Amps		A	721.4	630.2	651.4
Recommended Mains Fuse Size		A	500	450	450
Electronic Soft-start					
Nominal Run Amps		A	481.7	384.7	413.0
Maximum Start Amps		A	614.7	521.7	550.0
Recommended Mains Fuse		A	500	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	458.0	362.8	384.0
Maximum Start Amps		A	591.0	499.8	521.0
Recommended Mains Fuse Size		A	500	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	502.6	405.7	434.1
Recommended Mains Fuse Size		A	560	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	509.9	413.0	441.4
Recommended Mains Fuse Size		A	560	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	497.9	400.8	428.9
Recommended Mains Fuse Size		A	560	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	503.7	406.5	434.6
Recommended Mains Fuse Size		A	560	450	500
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	425.1	437.3	463.3
Maximum Start Amps		A	688.5	672.7	726.7
Recommended Mains Fuse Size		A	450	500	500
Evaporator					
Immersion Heater Rating		W	170	170	250
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 / 47.9
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 298	298 / 298	298 / 298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	397.7	411.4	438.6
Reactive power reduction/saving	(4)	kVAr	49.0	46.9	45.6
Maximum Start Amps		A	661.1	646.8	702.0
Recommended Mains Fuse Size		A	450	500	500
Electronic Soft-start					
Nominal Run Amps		A	425.1	437.3	463.3
Maximum Start Amps		A	558.1	553.5	596.3
Recommended Mains Fuse		A	450	500	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	397.7	411.4	438.6
Maximum Start Amps		A	530.7	527.6	571.6
Recommended Mains Fuse Size		A	450	500	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	21.2
Unit Nominal Run Amps		A	446.2	458.3	484.3
Recommended Mains Fuse Size		A	500	500	560
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	453.5	465.6	491.6
Recommended Mains Fuse Size		A	500	500	560
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	441.1	453.3	479.5
Recommended Mains Fuse Size		A	500	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	446.8	459.1	485.2
Recommended Mains Fuse Size		A	500	500	560
Motor Rating		kW	16.8	16.8	16.8

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	511.7	539.7	493.3
Maximum Start Amps		A	787.3	807.1	756.7
Recommended Mains Fuse Size		A	560	560	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 47.9	47.9 / 47.9 / 55.2	59.2 / 47.9 / 47.9
Quantity			3 + 3 + 3	3 + 3 + 3	2 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1	36.2 / 29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	298 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	489.1	510.3	469.7
Reactive power reduction/saving	(4)	kVAr	42.8	54.0	44.2
Maximum Start Amps		A	764.7	777.7	733.1
Recommended Mains Fuse Size		A	560	560	560
Electronic Soft-start					
Nominal Run Amps		A	511.7	539.7	493.3
Maximum Start Amps		A	656.9	676.7	626.3
Recommended Mains Fuse		A	560	560	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	489.1	510.3	469.7
Maximum Start Amps		A	634.3	647.3	602.7
Recommended Mains Fuse Size		A	560	560	560
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	21.2
Unit Nominal Run Amps		A	539.9	568.0	514.3
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	546.4	574.5	521.5
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	533.8	561.6	509.5
Recommended Mains Fuse Size		A	560	630	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	539.0	566.7	515.3
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, EC 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	523.4	568.0	596.5
Maximum Start Amps		A	799.0	835.4	863.9
Recommended Mains Fuse Size		A	560	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 47.9	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 29.8	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	500.7	531.5	552.7
Reactive power reduction/saving	(4)	kVAr	42.8	65.2	76.5
Maximum Start Amps		A	776.3	798.9	820.1
Recommended Mains Fuse Size		A	560	630	630
Electronic Soft-start					
Nominal Run Amps		A	523.4	568.0	596.5
Maximum Start Amps		A	668.6	705.0	733.5
Recommended Mains Fuse		A	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	500.7	531.5	552.7
Maximum Start Amps		A	645.9	668.5	689.7
Recommended Mains Fuse Size		A	560	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	551.5	596.3	624.9
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	558.0	602.8	631.4
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	545.5	589.6	617.9
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	550.7	594.7	622.9
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, EC 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	608.5	620.6	632.8
Maximum Start Amps		A	871.9	884.0	868.2
Recommended Mains Fuse Size		A	630	670	670
Evaporator					
Immersion Heater Rating		W	250	250	250
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	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	566.4	580.1	593.7
Reactive power reduction/saving	(4)	kVAr	74.4	72.3	70.3
Maximum Start Amps		A	829.8	843.5	829.1
Recommended Mains Fuse Size		A	630	670	670
Electronic Soft-start					
Nominal Run Amps		A	608.5	620.6	632.8
Maximum Start Amps		A	741.5	753.6	749.0
Recommended Mains Fuse		A	630	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	566.4	580.1	593.7
Maximum Start Amps		A	699.4	713.1	709.9
Recommended Mains Fuse Size		A	630	670	670
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	28.5	28.5	28.5
Unit Nominal Run Amps		A	636.9	649.0	661.1
Recommended Mains Fuse Size		A	670	670	710
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	643.4	655.5	667.6
Recommended Mains Fuse Size		A	670	710	710
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	630.1	642.2	654.5
Recommended Mains Fuse Size		A	670	670	710
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	635.1	647.3	659.5
Recommended Mains Fuse Size		A	670	710	710
Motor Rating		kW	20.7	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	474.9	504.9	551.3
Maximum Start Amps		A	738.3	768.3	818.7
Recommended Mains Fuse Size		A	500	560	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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 / 47.9	59.2 / 47.9 / 47.9	47.9 / 47.9 / 55.2
Quantity			2 + 2 + 3	2 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 29.8 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 326	298 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	450.2	481.3	522.0
Reactive power reduction/saving	(4)	kVAr	45.6	44.3	54.1
Maximum Start Amps		A	713.6	744.7	789.4
Recommended Mains Fuse Size		A	500	560	630
Electronic Soft-start					
Nominal Run Amps		A	474.9	504.9	551.3
Maximum Start Amps		A	607.9	637.9	688.3
Recommended Mains Fuse		A	500	560	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	450.2	481.3	522.0
Maximum Start Amps		A	583.2	614.3	659.0
Recommended Mains Fuse Size		A	500	560	630
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	21.2	21.2	28.5
Unit Nominal Run Amps		A	495.9	525.9	579.6
Recommended Mains Fuse Size		A	560	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	503.2	533.1	586.1
Recommended Mains Fuse Size		A	560	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	491.1	521.2	573.2
Recommended Mains Fuse Size		A	560	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	496.9	527.0	578.4
Recommended Mains Fuse Size		A	560	560	630
Motor Rating		kW	16.8	16.8	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	579.6	535.0	562.9
Maximum Start Amps		A	847.0	810.6	830.3
Recommended Mains Fuse Size		A	630	560	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 55.2 / 55.2	47.9 / 47.9 / 47.9	47.9 / 47.9 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 33.1 / 33.1	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	543.2	512.4	533.6
Reactive power reduction/saving	(4)	kVAr	65.3	42.9	54.1
Maximum Start Amps		A	810.6	788.0	801.0
Recommended Mains Fuse Size		A	630	560	630
Electronic Soft-start					
Nominal Run Amps		A	579.6	535.0	562.9
Maximum Start Amps		A	716.6	680.2	699.9
Recommended Mains Fuse		A	630	560	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	543.2	512.4	533.6
Maximum Start Amps		A	680.2	657.6	670.6
Recommended Mains Fuse Size		A	630	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	607.9	563.2	591.2
Recommended Mains Fuse Size		A	630	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	614.4	569.6	597.7
Recommended Mains Fuse Size		A	670	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	601.2	557.1	584.9
Recommended Mains Fuse Size		A	630	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	606.3	562.3	590.0
Recommended Mains Fuse Size		A	630	630	630
Motor Rating		kW	20.7	20.7	20.7

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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	608.0	620.1	632.2	644.4
Maximum Start Amps		A	875.4	883.5	895.6	879.8
Recommended Mains Fuse Size		A	630	670	670	670
Evaporator						
Immersion Heater Rating		W	250	250	250	250
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	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS						
Power Factor Correction (PF 0.98)	(3)					
Nominal Run Amps		A	564.4	578.0	591.7	605.4
Reactive power reduction/saving	(4)	kVAr	76.6	74.5	72.4	70.3
Maximum Start Amps		A	831.8	841.4	855.1	840.8
Recommended Mains Fuse Size		A	630	670	670	670
Electronic Soft-start						
Nominal Run Amps		A	608.0	620.1	632.2	644.4
Maximum Start Amps		A	745.0	753.1	765.2	760.6
Recommended Mains Fuse		A	630	670	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)					
Nominal Run Amps		A	564.4	578.0	591.7	605.4
Maximum Start Amps		A	701.4	711.0	724.7	721.6
Recommended Mains Fuse Size		A	630	670	670	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	636.4	648.4	660.5	679.1
Recommended Mains Fuse Size		A	670	670	710	710
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	642.9	654.9	667.0	685.6
Recommended Mains Fuse Size		A	670	710	710	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	629.5	641.6	653.8	671.2
Recommended Mains Fuse Size		A	670	670	710	710
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	634.5	646.7	658.9	676.0
Recommended Mains Fuse Size		A	670	710	710	710
Motor Rating		kW	20.7	20.7	20.7	24.4

(1) Based upon 7.2°C Evap / 54.4°C Condensing, EC 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 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	94	96	92	87	87	83	80	69	91
		Pressure	66	64	59	55	54	50	48	37	59
2	DCF048DR-07DPY0	Power	89	95	93	89	87	82	81	69	92
		Pressure	64	63	60	57	55	50	48	37	60
3	DCF051DR-08DPV0	Power	93	95	94	89	87	82	80	79	92
		Pressure	64	63	61	57	55	50	48	46	60
4	DCF053DR-08DYY0	Power	89	95	92	88	87	83	82	70	92
		Pressure	66	62	59	56	55	51	49	38	60
5	DCF049DR-09DXY0	Power	94	96	92	88	87	83	81	69	92
		Pressure	66	64	60	55	55	50	48	37	59
6	DCF051DR-09DPY0	Power	89	96	93	89	88	83	81	69	93
		Pressure	65	63	61	57	55	50	48	37	60
7	DCF053DR-10DPV0	Power	93	95	94	89	87	82	80	79	92
		Pressure	64	63	61	57	55	49	47	46	60
8	DCF055DR-09DYV0	Power	93	95	93	89	87	83	81	79	92
		Pressure	66	62	61	56	55	51	48	47	60
9	DCF055DR-10DYY0	Power	89	95	92	89	88	84	82	71	92
		Pressure	66	63	60	56	55	51	49	38	60
10	DCF058DR-10DVV0	Power	95	95	94	89	88	83	80	82	93
		Pressure	66	62	62	56	55	51	48	49	60
11	DCF062DR-10FVW0	Power	93	97	95	90	88	83	81	79	93
		Pressure	65	64	62	58	56	51	48	46	61
12	DCF065DR-10FWW0	Power	91	98	95	92	89	83	82	69	94
		Pressure	64	65	63	59	56	51	49	37	61
13	DCF069TR-10GPPY	Power	91	97	95	91	89	84	82	70	94
		Pressure	65	65	62	59	56	51	50	38	61
14	DCF051DR-11DXY0	Power	94	95	91	87	86	81	80	68	91
		Pressure	64	63	59	54	53	48	48	36	58
15	DCF053DR-11DPY0	Power	89	95	92	89	87	81	80	69	92
		Pressure	63	62	60	56	54	48	48	36	59
16	DCF055DR-12DPV0	Power	93	94	93	89	86	80	79	79	91
		Pressure	62	62	61	56	53	47	47	46	59
17	DCF057DR-12DYY0	Power	88	94	91	88	87	82	81	70	91
		Pressure	65	61	59	55	54	49	49	37	59
18	DCF058DR-11DYV0	Power	93	95	93	89	87	83	81	79	92
		Pressure	65	62	60	56	55	50	48	46	60
19	DCF060DR-12DVV0	Power	95	94	94	88	87	82	80	82	92
		Pressure	65	62	61	56	54	49	47	49	59
20	DCF065DR-12FVW0	Power	93	97	95	90	88	83	81	79	93
		Pressure	65	64	62	58	56	50	48	46	61
21	DCF068DR-12FWW0	Power	91	98	96	92	89	84	82	69	94
		Pressure	64	65	63	59	57	51	49	37	62
22	DCF074TR-11GPYY	Power	91	97	94	91	89	84	83	71	94
		Pressure	66	64	61	58	56	52	50	39	61
23	DCF079TR-12GYYY	Power	91	96	94	90	89	85	83	72	94
		Pressure	67	64	61	58	56	52	51	39	61

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	93	94	93	88	86	81	81	79	91
		Pressure	64	61	60	55	53	48	48	46	59
25	DCF062DR-14DVV0	Power	95	93	93	88	86	80	80	82	91
		Pressure	64	61	61	55	53	47	47	49	58
26	DCF066DR-14FVW0	Power	93	96	94	90	87	81	81	79	93
		Pressure	63	63	62	57	55	48	48	46	60
27	DCF070DR-14FWW0	Power	91	97	95	91	89	82	81	69	94
		Pressure	62	64	62	59	56	49	49	36	61
28	DCF073TR-13GPPY	Power	91	98	95	91	89	84	82	71	94
		Pressure	66	65	62	59	57	52	50	38	61
29	DCF078TR-14GPYY	Power	91	97	95	91	90	85	83	72	94
		Pressure	67	64	62	58	57	52	50	39	62
30	DCF082TR-13HYYV	Power	94	97	94	90	89	85	83	79	94
		Pressure	67	64	62	58	56	52	50	47	61
31	DCF085TR-14HYVV	Power	95	97	95	91	89	85	82	82	94
		Pressure	67	64	62	58	56	52	50	49	62
32	DCF075TR-16GPPY	Power	91	97	94	91	88	82	82	70	93
		Pressure	64	64	61	58	55	49	49	37	60
33	DCF082TR-15GYYY	Power	91	97	94	91	90	85	83	72	94
		Pressure	67	64	61	58	57	52	51	39	61
34	DCF085TR-16HYYV	Power	94	97	95	90	89	85	83	79	94
		Pressure	67	64	62	58	56	52	50	46	61
35	DCF090TR-15HVVV	Power	97	97	96	91	89	85	82	84	95
		Pressure	67	64	63	58	56	52	49	51	62
36	DCF092TR-15HVVW	Power	96	98	96	92	90	85	82	82	95
		Pressure	67	65	63	59	57	52	50	49	62
37	DCF094TR-15HVWW	Power	95	99	97	93	90	85	83	79	95
		Pressure	66	66	64	60	57	52	50	46	62
38	DCF096TR-15HWWW	Power	93	99	97	93	91	85	83	71	96
		Pressure	65	66	64	60	58	52	50	38	63
39	DCF080TR-17GPYY	Power	91	96	94	90	88	83	83	71	93
		Pressure	65	63	61	57	55	50	49	38	60
40	DCF085TR-18GYYY	Power	90	96	93	90	88	83	83	72	93
		Pressure	66	63	60	57	55	50	50	39	60
41	DCF088TR-17HYVV	Power	95	96	95	90	89	84	82	82	94
		Pressure	67	63	62	57	56	51	49	49	61
42	DCF093TR-18HVVV	Power	97	96	96	90	89	83	82	84	94
		Pressure	66	63	63	57	56	50	49	50	61
43	DCF095TR-18HVVW	Power	96	98	96	92	90	84	82	82	95
		Pressure	66	65	63	59	57	51	49	49	62
44	DCF098TR-18HVWW	Power	95	99	97	93	90	85	83	79	95
		Pressure	66	66	64	60	57	52	50	46	62
45	DCF100TR-18HWWW	Power	93	100	97	94	91	86	83	71	96
		Pressure	66	67	64	60	58	53	50	38	63
46	DCF088TR-19HYYV	Power	93	95	94	90	88	83	83	79	93
		Pressure	66	62	61	56	55	50	49	46	60
47	DCF090TR-20HYVV	Power	95	95	95	90	88	82	82	82	93
		Pressure	66	62	62	56	55	49	49	49	60
48	DCF095TR-21HVVV	Power	97	95	95	90	88	82	81	83	93
		Pressure	65	62	62	56	54	49	48	50	60
49	DCF098TR-21HVVW	Power	96	97	96	91	89	82	82	82	94
		Pressure	65	64	63	58	55	49	49	49	61

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
50	DCF101TR-21HVWW	Power	94	98	96	92	90	83	83	79	95
		Pressure	64	65	63	59	56	50	49	46	61
51	DCF103TR-21HWWW	Power	93	99	97	93	90	83	83	70	95
		Pressure	63	66	64	60	57	50	50	37	62
52	DCF047DX-09DXY0	Power	94	94	90	80	80	72	72	67	86
		Pressure	64	62	58	47	48	40	39	34	54
53	DCF049DX-09DPY0	Power	89	93	92	82	81	72	72	67	87
		Pressure	61	60	59	49	49	39	39	34	54
54	DCF051DX-10DPV0	Power	93	93	93	82	81	72	71	79	88
		Pressure	61	60	60	49	49	39	38	46	55
55	DCF053DX-10DYY0	Power	88	92	90	81	81	73	73	68	86
		Pressure	63	59	57	48	48	40	40	36	54
56	DCF049DX-11DXY0	Power	94	94	90	80	80	73	72	67	86
		Pressure	64	62	58	48	48	40	39	34	54
57	DCF051DX-11DPY0	Power	89	93	92	82	81	72	72	67	87
		Pressure	61	60	59	49	49	40	39	34	54
58	DCF053DX-12DPV0	Power	93	93	93	82	81	72	71	79	88
		Pressure	61	60	60	49	49	39	38	46	55
59	DCF055DX-11DYV0	Power	93	91	92	81	81	73	72	79	87
		Pressure	63	59	59	48	48	40	40	46	55
60	DCF055DX-12DYY0	Power	88	92	90	81	81	73	73	68	86
		Pressure	63	59	57	49	49	41	40	36	54
61	DCF058DX-12DVV0	Power	95	91	93	81	81	72	71	82	88
		Pressure	63	59	61	49	48	40	39	49	55
62	DCF062DX-12FVW0	Power	93	94	94	83	82	72	72	79	89
		Pressure	62	61	61	50	50	40	39	46	56
63	DCF065DX-12FWW0	Power	91	96	95	84	83	72	72	66	89
		Pressure	59	63	62	51	51	40	40	34	57
64	DCF050DX-13DXY0	Power	94	94	90	81	81	73	72	67	86
		Pressure	63	61	58	48	48	40	39	34	54
65	DCF053DX-13DPY0	Power	89	93	92	82	82	73	72	67	87
		Pressure	61	60	59	49	49	40	39	34	54
66	DCF055DX-14DPV0	Power	93	93	93	82	82	72	71	79	88
		Pressure	61	60	60	49	49	40	38	46	55
67	DCF057DX-13DYV0	Power	93	92	92	81	81	73	72	79	87
		Pressure	63	59	59	49	48	40	39	46	55
68	DCF057DX-14DYY0	Power	88	92	90	82	81	74	73	68	86
		Pressure	63	59	57	49	49	41	40	36	54
69	DCF060DX-14DVV0	Power	95	91	93	82	81	73	71	82	88
		Pressure	63	59	60	49	48	40	39	49	55
70	DCF064DX-14FVW0	Power	93	94	94	83	82	73	72	79	89
		Pressure	62	61	61	50	50	40	39	46	56
71	DCF068DX-14FWW0	Power	91	96	95	84	83	73	72	66	89
		Pressure	59	63	62	51	51	40	40	33	57
72	DCF069TX-13GPPY	Power	90	95	94	84	83	73	73	68	89
		Pressure	62	62	61	51	50	41	41	35	56
73	DCF075TX-14GPYY	Power	90	94	93	83	83	74	74	69	88
		Pressure	64	62	60	50	50	41	41	36	56
74	DCF059DX-15DYV0	Power	93	92	92	82	81	73	72	79	87
		Pressure	63	59	59	49	48	40	39	46	55
75	DCF061DX-16DVV0	Power	95	91	93	82	81	73	71	82	88
		Pressure	63	59	60	49	48	40	39	49	55

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
76	DCF066DX-16FVW0	Power	93	94	94	83	83	73	72	79	89
		Pressure	61	61	61	50	50	40	39	46	56
77	DCF069DX-16FWW0	Power	91	96	95	84	84	73	73	66	89
		Pressure	59	63	62	51	51	40	40	33	57
78	DCF073TX-16GPPY	Power	90	95	94	84	83	74	73	68	89
		Pressure	62	62	61	51	50	41	40	35	56
79	DCF079TX-15GYYY	Power	90	93	92	83	83	75	75	70	88
		Pressure	65	60	59	50	50	42	42	37	55
80	DCF082TX-16HYYV	Power	93	93	93	83	83	75	74	79	89
		Pressure	65	60	60	50	50	42	41	46	56
81	DCF078TX-17GPYY	Power	90	94	93	83	83	75	74	69	89
		Pressure	64	61	60	50	50	41	41	36	56
82	DCF082TX-18GYYY	Power	90	93	92	83	83	75	75	70	88
		Pressure	65	60	59	50	50	42	42	37	55
83	DCF085TX-17HYVV	Power	95	93	94	83	83	74	74	82	89
		Pressure	65	60	61	50	50	41	41	49	56
84	DCF089TX-18HVVV	Power	96	93	95	83	83	74	73	83	90
		Pressure	65	60	62	50	49	41	40	50	57
85	DCF092TX-18HVVW	Power	95	95	95	84	84	74	73	82	90
		Pressure	64	62	62	51	51	41	40	49	57
86	DCF094TX-18HVWW	Power	94	97	96	85	84	74	74	79	91
		Pressure	62	63	63	52	51	41	41	46	58
87	DCF096TX-18HWWW	Power	92	98	96	86	85	74	74	68	91
		Pressure	60	65	63	53	52	41	41	35	58
88	DCF074TX-19GPPY	Power	90	95	94	84	84	74	74	68	89
		Pressure	62	62	61	51	50	41	40	35	56
89	DCF079TX-20GPYY	Power	90	95	93	84	83	75	74	69	89
		Pressure	63	61	60	51	50	42	41	36	56
90	DCF085TX-19HYYV	Power	93	93	93	83	83	75	74	79	89
		Pressure	65	60	60	50	50	42	41	46	56
91	DCF088TX-20HYVV	Power	95	93	94	83	83	75	74	82	89
		Pressure	65	60	61	50	50	42	41	49	56
92	DCF084TX-21GYYY	Power	90	94	92	83	83	75	75	70	88
		Pressure	65	60	58	50	50	42	42	37	55
93	DCF087TX-22HYYV	Power	93	93	93	83	83	75	74	79	89
		Pressure	65	60	60	50	50	42	41	46	56
94	DCF092TX-21HVVV	Power	96	93	95	83	83	74	73	83	90
		Pressure	64	60	62	50	50	41	40	50	57
95	DCF095TX-21HVVW	Power	95	95	96	84	84	75	74	82	90
		Pressure	63	62	62	51	50	41	40	48	57
96	DCF097TX-21HVWW	Power	94	97	96	85	85	75	74	79	91
		Pressure	62	63	63	52	51	41	41	46	58
97	DCF099TX-21HWWW	Power	92	98	96	86	85	75	74	68	91
		Pressure	60	64	63	53	52	41	41	35	58

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 EC Fans

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
98	DCC047DR-08EPV0	5	494.6	138.4	470.0	152.4	442.3	168.5	410.7	185.9
		6	508.9	139.4	483.8	153.4	455.3	169.5	422.7	186.9
		7	523.5	140.4	497.7	154.5	468.3	170.5	434.9	187.9
		8	538.1	141.5	511.7	155.6	481.4	171.5	447.2	188.9
		9	552.8	142.6	525.9	156.7	494.7	172.6	459.8	190.0
		10	567.6	143.7	540.2	157.8	508.2	173.6	472.5	191.1
99	DCC049DR-08EYY0	5	518.6	150.6	493.0	165.2	463.0	181.5	430.3	199.6
		6	533.8	151.8	507.1	166.2	476.2	182.6	442.7	200.7
		7	549.2	152.9	521.3	167.3	489.6	183.7	455.3	201.8
		8	564.7	154.1	535.7	168.4	503.2	184.8	468.0	203.0
		9	579.9	155.2	550.3	169.5	517.0	186.0	481.0	204.1
		10	595.2	156.3	564.9	170.7	530.9	187.1	494.1	205.3
100	DCC049DR-10EPV0	5	504.5	132.1	481.2	146.0	454.7	161.8	425.3	179.6
		6	519.4	133.1	495.3	146.8	468.6	162.8	438.2	180.5
		7	534.5	134.0	510.3	147.9	482.6	163.8	451.4	181.4
		8	549.8	135.0	524.8	148.8	496.9	164.7	464.7	182.3
		9	565.2	136.0	539.8	149.8	511.3	165.8	478.3	183.2
		10	580.6	137.0	554.9	150.8	525.7	166.7	492.0	184.2
101	DCC051DR-10EYY0	5	527.6	143.7	503.5	158.4	476.6	175.2	446.9	193.9
		6	542.5	144.6	518.5	159.5	490.9	176.2	460.5	194.9
		7	558.2	145.7	533.7	160.5	505.5	177.3	473.9	195.8
		8	574.6	146.9	549.1	161.6	520.3	178.4	487.5	196.8
		9	590.2	147.8	564.6	162.7	535.3	179.5	501.3	197.7
		10	606.3	148.9	580.3	163.8	550.5	180.7	515.4	198.7
102	DCC052DR-09DYV0	5	552.1	153.1	525.3	168.4	494.5	185.8	459.4	204.6
		6	568.5	154.3	540.8	169.5	508.9	186.8	472.8	205.7
		7	585.1	155.4	556.5	170.7	523.5	187.9	486.5	206.8
		8	601.6	156.6	572.3	171.8	538.3	189.0	500.4	207.9
		9	618.4	157.8	588.4	173.0	553.3	190.1	514.5	209.0
		10	635.2	159.0	604.6	174.3	568.5	191.3	528.8	210.2

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 EC Fans

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
103	DCC056DR-10DVV0	5	581.1	155.2	553.9	171.4	522.6	189.7	485.3	209.3
		6	598.6	156.4	570.8	172.5	538.1	190.7	499.9	210.3
		7	616.4	157.6	587.9	173.7	553.9	191.7	514.6	211.3
		8	634.3	158.8	605.3	175.0	569.9	192.8	529.6	212.4
		9	652.5	160.1	622.8	176.2	586.1	193.9	544.9	213.5
		10	670.9	161.3	640.7	177.5	602.5	195.0	560.3	214.6
104	DCC058DR-10DVW0	5	609.4	167.5	580.3	184.6	545.9	203.7	507.0	224.7
		6	627.5	168.8	597.4	185.8	561.9	204.9	521.8	225.9
		7	645.7	170.1	614.7	187.0	578.0	206.0	536.9	227.1
		8	664.2	171.4	632.2	188.3	594.3	207.2	552.2	228.3
		9	682.9	172.8	649.9	189.6	610.8	208.5	567.8	229.5
		10	701.6	174.2	667.7	190.9	627.5	209.8	583.5	230.8
105	DCC061DR-10DWW0	5	649.5	180.7	617.0	198.5	578.4	218.4	536.6	240.8
		6	668.5	182.2	634.7	199.8	595.0	219.7	552.0	242.1
		7	687.8	183.6	652.5	201.1	611.7	221.1	567.7	243.4
		8	707.3	185.1	670.5	202.5	628.7	222.5	583.6	244.8
		9	727.0	186.6	688.7	203.9	645.9	223.9	599.7	246.3
		10	746.3	188.0	707.1	205.3	663.3	225.3	616.1	247.7
106	DCC065TR-10GPPY	5	692.2	198.7	654.9	217.7	612.9	239.4	567.9	263.5
		6	712.2	200.2	673.6	219.2	630.4	240.9	584.1	265.1
		7	732.4	201.7	692.5	220.7	648.2	242.5	600.6	266.7
		8	752.7	203.3	711.7	222.3	666.1	244.1	617.4	268.3
		9	773.1	204.9	731.0	223.9	684.3	245.7	634.4	269.9
		10	793.7	206.5	750.5	225.6	702.7	247.4	651.7	271.6
107	DCC050DR-12EPV0	5	511.3	127.7	487.7	141.2	461.1	156.6	431.0	173.8
		6	526.5	128.5	502.4	142.0	474.9	157.4	444.8	174.8
		7	541.9	129.4	517.3	142.9	489.5	158.3	458.4	175.7
		8	557.3	130.3	532.3	143.8	503.9	159.2	471.9	176.5
		9	572.9	131.2	547.6	144.7	518.4	160.0	486.2	177.6
		10	588.6	132.1	562.8	145.6	533.2	161.0	500.2	178.4

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
108	DCC052DR-12EYY0	5	534.4	138.9	510.3	153.2	483.0	169.5	452.8	187.8
		6	550.1	139.8	525.5	154.2	497.6	170.5	466.4	188.7
		7	566.1	140.8	540.9	155.1	511.8	171.3	480.5	189.7
		8	582.1	141.7	556.5	156.1	526.8	172.3	494.8	190.7
		9	598.3	142.7	572.3	157.1	542.1	173.3	509.4	191.7
		10	614.7	143.7	588.2	158.1	557.5	174.4	524.1	192.8
109	DCC054DR-11DYV0	5	560.7	146.8	534.5	162.0	505.4	179.4	473.2	198.9
		6	577.4	147.9	550.7	163.0	520.9	180.5	487.6	199.9
		7	594.5	149.0	567.3	164.2	536.5	181.6	502.3	200.9
		8	611.5	150.0	583.6	165.2	552.4	182.7	517.1	201.9
		9	628.8	151.2	600.4	166.4	568.6	183.8	532.3	203.0
		10	646.3	152.3	617.4	167.5	584.9	185.0	547.6	204.1
110	DCC058DR-12DVV0	5	589.6	149.6	561.7	165.3	530.1	183.2	495.8	203.6
		6	607.4	150.7	578.3	166.2	546.5	184.3	511.3	204.7
		7	625.4	151.8	595.7	167.3	563.2	185.4	527.1	205.8
		8	643.6	152.9	613.9	168.6	580.1	186.5	543.2	206.9
		9	662.0	154.0	631.3	169.6	597.3	187.7	559.6	208.1
		10	680.7	155.2	649.4	170.8	614.7	188.9	576.3	209.2
111	DCC060DR-12DVW0	5	618.3	161.3	589.3	178.1	556.8	197.4	520.8	219.0
		6	636.3	162.4	606.7	179.2	573.7	198.6	536.6	220.1
		7	654.9	163.6	624.7	180.4	590.9	199.8	552.6	221.2
		8	673.6	164.8	643.1	181.7	608.4	201.0	568.9	222.3
		9	692.6	166.1	661.3	182.9	626.1	202.3	585.5	223.5
		10	711.7	167.3	679.9	184.2	644.0	203.6	602.3	224.7
112	DCC063DR-12DWW0	5	658.4	173.7	628.0	191.7	593.4	212.3	554.5	235.0
		6	678.4	175.2	646.7	193.1	611.3	213.6	570.8	236.1
		7	697.5	176.4	665.7	194.4	629.4	215.0	587.4	237.3
		8	717.4	177.7	684.9	195.8	647.9	216.4	604.2	238.4
		9	737.5	179.1	704.3	197.2	666.6	217.8	621.2	239.6
		10	757.8	180.5	724.0	198.6	685.2	219.1	638.5	240.9

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
113	DCC069TR-11GPYY	5	732.1	212.1	694.4	232.5	651.0	255.6	604.2	281.2
		6	753.5	213.7	714.3	234.0	669.7	257.1	621.6	282.8
		7	775.1	215.4	734.5	235.6	688.6	258.8	639.2	284.5
		8	797.0	217.0	754.8	237.2	707.8	260.4	657.2	286.1
		9	818.6	218.6	775.4	238.9	727.2	262.1	675.4	287.8
		10	840.4	220.2	796.2	240.5	746.8	263.8	693.8	289.6
114	DCC074TR-12GYYY	5	792.7	227.1	751.7	248.6	704.7	273.0	654.1	300.2
		6	816.3	228.9	773.5	250.3	725.1	274.7	673.1	301.9
		7	840.2	230.7	795.5	252.0	745.8	276.4	692.4	303.6
		8	863.7	232.3	817.8	253.7	766.8	278.2	712.0	305.3
		9	887.5	234.0	840.4	255.5	788.0	280.0	731.9	307.1
		10	911.6	235.8	863.2	257.3	809.5	281.8	752.1	309.0
115	DCC056DR-13DYV0	5	567.7	142.3	541.5	157.2	511.9	174.1	479.0	193.1
		6	584.7	143.3	557.8	158.1	527.2	175.0	493.9	194.1
		7	601.8	144.3	574.4	159.1	543.1	176.0	508.7	195.0
		8	619.2	145.3	591.2	160.1	559.5	177.1	524.4	196.2
		9	636.7	146.3	608.2	161.1	575.7	178.1	539.7	197.1
		10	654.4	147.4	625.4	162.2	591.7	179.0	555.6	198.2
116	DCC059DR-14DVV0	5	596.1	145.4	568.1	160.8	536.5	178.4	500.9	198.0
		6	614.1	146.4	585.5	161.8	553.1	179.3	517.4	199.3
		7	632.4	147.4	603.1	162.7	570.0	180.3	533.4	200.3
		8	650.9	148.5	621.0	163.8	587.1	181.3	549.1	201.1
		9	669.6	149.5	639.1	164.8	604.6	182.4	565.7	202.1
		10	688.5	150.6	657.4	165.9	622.2	183.5	582.6	203.2
117	DCC061DR-14DVW0	5	625.2	156.7	596.1	173.2	563.3	192.0	526.6	213.1
		6	643.7	157.8	614.0	174.2	580.2	193.0	543.3	214.3
		7	662.5	158.9	632.2	175.3	597.7	194.1	559.6	215.3
		8	681.5	160.0	650.2	176.3	615.4	195.2	576.4	216.5
		9	700.7	161.1	669.2	177.6	633.4	196.4	593.8	217.7
		10	720.0	162.3	687.7	178.6	651.5	197.6	611.0	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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
118	DCC065DR-14DWW0	5	666.7	168.7	635.4	186.2	599.9	206.1	561.5	228.8
		6	686.4	169.9	654.4	187.4	618.0	207.3	578.7	230.1
		7	706.2	171.1	672.7	188.4	636.5	208.6	596.2	231.3
		8	726.3	172.4	693.1	189.9	655.2	209.9	614.0	232.6
		9	746.6	173.7	712.0	191.0	674.1	211.2	632.1	233.9
		10	767.2	175.0	732.0	192.3	693.3	212.5	650.5	235.3
119	DCC068TR-13GPPY	5	708.9	188.1	675.7	207.4	638.4	229.4	596.6	253.8
		6	729.8	189.4	696.0	208.8	657.8	230.9	614.5	255.1
		7	751.2	190.9	716.7	210.3	677.5	232.4	632.5	256.3
		8	773.1	192.4	737.6	211.8	697.6	233.9	650.8	257.6
		9	794.9	193.9	758.8	213.3	717.8	235.4	669.3	258.9
		10	817.1	195.4	780.3	214.8	738.0	236.8	688.1	260.2
120	DCC072TR-14GPYY	5	747.1	201.7	712.5	222.3	673.7	245.9	630.7	272.1
		6	768.7	203.0	733.9	223.8	694.2	247.4	649.9	273.5
		7	791.2	204.5	755.6	225.3	715.0	248.9	668.9	274.8
		8	814.4	206.2	777.6	226.9	736.1	250.5	688.3	276.2
		9	837.0	207.6	799.9	228.5	757.5	252.1	707.9	277.5
		10	860.2	209.2	822.4	230.1	779.0	253.7	727.8	278.9
121	DCC077TR-13GYYV	5	813.9	228.6	773.3	251.1	726.8	276.6	674.9	304.5
		6	838.2	230.4	796.1	252.8	748.1	278.2	694.7	306.1
		7	862.9	232.2	819.2	254.5	769.6	279.9	714.8	307.8
		8	887.4	233.9	842.6	256.2	791.5	281.6	735.3	309.5
		9	912.2	235.6	866.3	258.0	813.6	283.3	756.0	311.2
		10	937.2	237.4	890.3	259.9	836.1	285.1	777.1	313.0
122	DCC080TR-14GYVV	5	835.0	230.2	794.9	253.6	748.9	280.1	695.6	308.8
		6	860.1	231.9	818.7	255.3	771.0	281.7	716.2	310.4
		7	885.5	233.7	842.9	257.0	793.5	283.3	737.2	312.0
		8	911.0	235.5	867.4	258.8	816.2	284.9	758.6	313.6
		9	936.8	237.2	892.2	260.6	839.3	286.6	780.2	315.3
		10	962.9	239.1	917.3	262.5	862.6	288.3	802.2	317.0
123	DCC070TR-16GPPY	5	720.4	180.9	686.5	199.6	648.1	220.8	606.2	244.7
		6	741.9	182.1	707.2	200.8	667.7	222.0	625.0	246.1
		7	763.7	183.4	728.2	202.1	688.1	223.4	644.1	247.4
		8	785.8	184.8	749.6	203.5	708.5	224.7	663.5	248.8
		9	808.1	186.1	771.1	204.8	729.0	226.0	683.3	250.2
		10	830.7	187.5	793.0	206.2	749.8	227.4	703.4	251.6

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
124	DCC077TR-15GYYY	5	806.1	216.5	769.0	238.6	726.8	263.7	680.6	291.7
		6	830.3	218.1	792.3	240.3	749.0	265.4	701.0	293.1
		7	855.6	219.9	815.9	241.9	771.6	267.0	721.7	294.5
		8	879.9	221.5	839.9	243.6	794.6	268.8	742.7	295.9
		9	905.1	223.2	864.3	245.4	818.0	270.5	764.0	297.4
		10	930.7	224.9	889.0	247.1	841.7	272.3	785.6	298.9
125	DCC080TR-16GYYV	5	826.9	218.8	788.2	241.3	745.0	267.1	697.4	295.9
		6	851.8	220.4	812.6	243.0	767.9	268.7	718.7	297.4
		7	877.5	222.2	836.9	244.7	791.2	270.4	740.2	298.9
		8	902.6	223.7	861.3	246.3	814.8	272.1	762.1	300.4
		9	928.5	225.4	886.3	248.0	838.8	273.8	784.4	301.9
		10	954.7	227.2	911.7	249.8	863.2	275.6	807.0	303.5
126	DCC083TR-15GVVV	5	856.2	231.7	816.4	256.0	770.9	283.7	716.3	313.2
		6	882.0	233.4	841.3	257.7	794.0	285.2	737.8	314.6
		7	908.2	235.2	866.6	259.5	817.3	286.7	759.7	316.2
		8	934.7	237.0	892.2	261.3	840.9	288.3	781.9	317.7
		9	961.4	238.8	918.1	263.2	864.9	289.9	804.4	319.3
		10	988.5	240.7	944.4	265.1	889.1	291.5	827.3	321.0
127	DCC086TR-15GVVW	5	897.0	244.9	853.8	270.0	803.5	298.3	745.7	329.1
		6	924.1	246.8	879.5	271.8	827.3	300.0	767.9	330.7
		7	951.5	248.8	905.6	273.7	851.5	301.7	790.5	332.5
		8	979.4	250.7	932.1	275.6	876.1	303.4	813.5	334.2
		9	1007.6	252.7	958.9	277.6	900.9	305.2	836.8	336.0
		10	1036.0	254.8	986.1	279.6	926.1	307.1	860.4	337.8
128	DCC088TR-15GVWW	5	929.0	257.5	883.7	283.5	830.0	312.5	770.2	344.7
		6	956.8	259.5	909.7	285.3	854.3	314.3	792.8	346.5
		7	984.9	261.6	936.1	287.2	878.9	316.2	815.8	348.4
		8	1013.3	263.7	962.7	289.2	903.8	318.1	839.1	350.3
		9	1042.2	265.8	989.7	291.2	929.1	320.0	862.8	352.2
		10	1070.9	267.9	1017.0	293.3	954.6	322.0	886.8	354.2
129	DCC091TR-15GWWW	5	961.1	270.1	913.6	296.9	856.5	326.7	794.7	360.3
		6	989.5	272.2	939.9	298.8	881.2	328.7	817.7	362.2
		7	1018.2	274.4	966.5	300.8	906.2	330.7	841.1	364.3
		8	1047.3	276.6	993.4	302.8	931.6	332.8	864.8	366.3
		9	1076.7	278.8	1020.5	304.8	957.2	334.9	888.8	368.4
		10	1105.9	281.0	1048.0	306.9	983.1	337.0	913.2	370.6

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
130	DCC074TR-17GPYY	5	757.9	194.4	722.9	214.5	683.6	237.4	639.7	262.9
		6	780.4	195.7	744.6	215.9	704.0	238.7	659.4	264.3
		7	803.2	197.1	766.7	217.2	724.9	240.0	679.5	265.8
		8	826.4	198.5	789.1	218.6	746.6	241.5	700.0	267.2
		9	849.7	199.9	811.7	220.0	767.9	242.8	720.7	268.7
		10	873.3	201.3	834.6	221.5	790.2	244.3	741.9	270.2
131	DCC079TR-18GYYY	5	817.9	209.3	779.7	230.8	736.9	255.2	689.4	282.3
		6	842.4	210.8	803.3	232.3	758.5	256.4	710.8	283.8
		7	867.4	212.3	827.4	233.8	781.6	257.9	732.6	285.4
		8	892.7	213.8	851.8	235.3	805.0	259.5	754.8	287.0
		9	918.3	215.4	876.5	236.9	828.7	261.1	777.3	288.6
		10	944.2	217.0	901.5	238.4	852.9	262.7	800.3	290.2
132	DCC082TR-17GYVV	5	847.7	221.1	807.5	244.0	763.2	270.5	714.2	300.2
		6	873.3	222.7	832.8	245.8	786.8	272.1	736.3	301.8
		7	899.3	224.4	857.8	247.4	810.7	273.8	758.8	303.3
		8	925.4	226.0	882.6	248.9	835.1	275.4	781.6	304.9
		9	951.9	227.7	908.3	250.6	859.7	277.1	804.9	306.5
		10	978.7	229.4	934.4	252.4	884.8	278.9	828.5	308.2
133	DCC085TR-18GVVV	5	868.6	223.5	826.7	246.7	781.4	273.9	731.0	304.5
		6	894.8	225.0	853.1	248.6	805.7	275.5	754.0	306.1
		7	921.2	226.6	878.7	250.2	830.3	277.1	777.3	307.7
		8	948.1	228.2	903.9	251.6	855.3	278.8	801.1	309.4
		9	975.3	229.9	930.3	253.3	880.6	280.5	825.3	311.1
		10	1002.7	231.6	957.1	255.0	906.3	282.2	849.9	312.8
134	DCC088TR-18GVVW	5	910.2	236.0	866.8	260.6	818.1	288.8	764.7	320.5
		6	937.4	237.6	892.8	262.2	843.4	290.5	788.3	322.2
		7	965.3	239.4	919.7	263.9	869.2	292.3	812.4	323.9
		8	993.7	241.2	947.7	265.9	895.4	294.1	837.0	325.6
		9	1022.3	243.1	974.9	267.6	922.0	296.0	861.9	327.3
		10	1051.4	244.9	1003.0	269.5	949.0	297.9	887.3	329.1
135	DCC091TR-18GVWW	5	942.7	248.0	898.1	273.7	848.1	303.2	792.8	336.2
		6	970.3	249.6	924.9	275.4	874.1	305.0	816.8	337.8
		7	998.9	251.5	952.6	277.3	900.5	306.9	841.2	339.5
		8	1027.9	253.4	980.8	279.3	927.3	308.9	866.0	341.2
		9	1057.2	255.4	1008.9	281.2	954.5	310.8	891.1	343.0
		10	1086.8	257.4	1037.6	283.2	982.1	312.9	916.7	344.8

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
136	DCC094TR-18GWWW	5	975.2	259.9	929.3	286.7	878.1	317.5	820.9	351.8
		6	1003.2	261.6	957.1	288.7	904.7	319.5	845.2	353.4
		7	1032.4	263.6	985.4	290.7	931.7	321.5	869.9	355.1
		8	1062.1	265.6	1014.0	292.7	959.2	323.6	895.0	356.9
		9	1092.0	267.7	1042.9	294.8	987.0	325.7	920.4	358.7
		10	1122.2	269.8	1072.2	296.9	1015.2	327.8	946.1	360.5
137	DCC082TR-19GYYV	5	837.9	212.0	798.8	234.0	754.9	259.0	706.1	287.1
		6	863.1	213.4	823.1	235.4	777.4	260.3	728.1	288.6
		7	888.7	214.9	847.8	236.9	801.1	261.8	750.2	290.0
		8	914.7	216.4	872.8	238.4	825.1	263.4	773.4	291.7
		9	940.9	218.0	898.2	240.0	849.6	264.9	796.3	293.1
		10	967.5	219.6	923.9	241.6	873.8	266.4	819.9	294.8
138	DCC084TR-20GYVV	5	857.9	214.6	817.9	237.1	772.8	262.9	722.9	291.8
		6	883.8	216.1	842.8	238.6	796.4	264.2	745.5	293.3
		7	910.0	217.5	868.2	240.0	820.7	265.7	767.9	294.6
		8	936.6	219.1	893.9	241.5	845.3	267.2	792.0	296.3
		9	963.5	220.6	919.9	243.1	870.4	268.8	815.3	297.7
		10	990.7	222.2	946.3	244.7	894.7	270.1	839.5	299.3
139	DCC087TR-21GVVV	5	877.9	217.2	837.0	240.3	790.8	266.7	739.7	296.6
		6	904.5	218.7	862.6	241.7	815.3	268.1	762.9	298.0
		7	931.4	220.2	888.6	243.2	840.2	269.6	785.5	299.1
		8	958.6	221.7	915.0	244.7	865.5	271.1	810.6	301.0
		9	986.1	223.2	941.7	246.2	891.2	272.6	834.2	302.3
		10	1013.9	224.8	968.6	247.8	915.6	273.8	859.1	303.9
140	DCC090TR-21GVVW	5	920.4	229.3	876.8	253.4	827.6	280.9	773.1	311.8
		6	948.3	230.8	903.7	254.9	853.3	282.5	798.1	313.7
		7	976.7	232.5	931.1	256.6	879.5	284.1	822.3	315.1
		8	1005.4	234.1	958.3	258.1	906.0	285.8	847.5	316.8
		9	1034.5	235.9	986.5	259.8	933.0	287.4	873.8	318.7
		10	1063.8	237.6	1015.3	261.6	960.3	289.2	899.3	320.3

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
141	DCC093TR-21GVWW	5	953.4	240.7	908.5	265.9	857.6	294.6	802.0	327.1
		6	982.0	242.4	936.1	267.6	884.0	296.3	827.3	329.0
		7	1011.0	244.2	964.1	269.3	910.8	298.1	852.4	330.6
		8	1040.3	245.9	991.5	270.9	938.0	299.8	878.3	332.4
		9	1070.0	247.7	1020.3	272.7	965.6	301.7	904.8	334.4
		10	1099.9	249.6	1050.1	274.7	993.6	303.5	931.3	336.2
142	DCC096TR-21GWWW	5	986.4	252.2	940.2	278.5	887.6	308.3	830.9	342.4
		6	1015.7	254.0	968.5	280.3	914.6	310.2	856.5	344.2
		7	1045.3	255.8	997.1	282.1	942.1	312.0	882.5	346.1
		8	1075.2	257.7	1024.7	283.6	969.9	313.9	909.0	348.1
		9	1105.6	259.6	1054.1	285.6	998.2	315.9	935.9	350.0
		10	1136.0	261.5	1085.0	287.8	1026.8	317.9	963.2	352.0
143	DCC048DX-10EPV0	5	496.4	131.9	469.2	145.9	439.4	161.7	407.0	179.5
		6	510.5	132.9	482.7	146.9	452.0	162.8	418.8	180.6
		7	524.8	133.9	496.3	147.9	464.8	163.8	430.7	181.7
		8	539.2	134.9	510.0	148.9	477.8	164.9	442.8	182.8
		9	553.7	136.0	523.9	150.0	490.8	166.0	455.0	183.9
		10	568.3	137.0	537.8	151.1	504.1	167.2	467.4	185.1
144	DCC049DX-10EYY0	5	517.5	143.7	489.4	158.5	458.6	175.3	425.3	193.9
		6	532.1	144.8	503.2	159.7	471.6	176.5	437.3	195.1
		7	546.8	145.9	517.2	160.8	484.7	177.7	449.6	196.4
		8	561.7	147.0	531.4	162.0	498.0	178.9	462.0	197.6
		9	576.7	148.2	545.6	163.2	511.5	180.2	474.6	198.9
		10	591.8	149.4	560.0	164.5	525.1	181.4	487.3	200.2
145	DCC049DX-12EPV0	5	508.7	127.3	482.4	140.5	453.3	155.7	421.6	172.9
		6	523.5	128.1	496.6	141.4	466.7	156.6	434.1	173.8
		7	538.4	129.0	510.8	142.2	480.2	157.5	446.8	174.7
		8	553.4	129.8	525.3	143.1	493.9	158.4	459.6	175.6
		9	568.5	130.7	539.8	144.0	507.8	159.3	472.7	176.5
		10	583.7	131.6	554.5	144.9	521.7	160.2	485.9	177.5
146	DCC051DX-12EYY0	5	530.4	138.4	503.3	152.6	473.3	168.7	440.6	186.7
		6	545.6	139.3	517.8	153.5	487.0	169.7	453.5	187.7
		7	561.0	140.3	532.5	154.5	500.9	170.7	466.5	188.7
		8	576.5	141.2	547.4	155.5	515.0	171.7	479.7	189.8
		9	592.2	142.2	562.4	156.5	529.2	172.7	493.1	190.8
		10	607.9	143.2	577.5	157.5	543.6	173.8	506.7	191.9
147	DCC053DX-11DYV0	5	551.7	146.6	521.5	161.9	488.4	179.2	452.5	198.6
		6	567.5	147.7	536.5	163.0	502.4	180.4	465.6	199.8
		7	583.5	148.8	551.7	164.1	516.7	181.6	478.9	201.0
		8	599.6	150.0	567.0	165.3	531.1	182.8	492.3	202.2
		9	615.9	151.1	582.5	166.5	545.7	184.0	506.0	203.5
		10	632.3	152.4	598.1	167.8	560.5	185.3	519.8	204.8

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
148	DCC056DX-12DVV0	5	581.8	149.1	549.8	164.8	514.7	182.7	476.7	202.9
		6	598.7	150.2	565.9	165.9	529.8	183.9	490.8	204.0
		7	615.9	151.3	582.2	167.0	545.1	185.0	505.0	205.2
		8	633.2	152.5	598.6	168.2	560.6	186.2	519.5	206.4
		9	650.7	153.6	615.3	169.4	576.3	187.4	534.2	207.7
		10	668.4	154.9	632.1	170.7	592.2	188.7	549.0	208.9
149	DCC058DX-12DVW0	5	607.6	161.1	574.0	178.0	537.1	197.4	497.3	219.0
		6	624.9	162.3	590.4	179.3	552.5	198.6	511.6	220.3
		7	642.4	163.6	607.0	180.6	568.2	200.0	526.1	221.7
		8	660.1	164.8	623.8	181.9	584.0	201.3	540.8	223.1
		9	677.9	166.1	640.8	183.3	599.9	202.7	555.8	224.5
		10	695.9	167.5	657.9	184.6	616.1	204.1	570.9	225.9
150	DCC061DX-12DWW0	5	644.5	173.9	608.0	192.1	568.2	212.7	525.4	235.8
		6	662.5	175.3	625.1	193.5	584.2	214.2	540.2	237.4
		7	680.8	176.7	642.4	195.0	600.4	215.7	555.2	238.9
		8	699.3	178.1	659.8	196.5	616.7	217.3	570.4	240.5
		9	717.9	179.6	677.4	198.0	633.3	218.9	585.8	242.1
		10	736.6	181.2	695.2	199.6	650.0	220.5	601.4	243.8
151	DCC050DX-14EPV0	5	516.4	124.4	491.6	137.3	463.1	152.1	431.8	168.8
		6	531.8	125.2	506.2	138.1	476.9	152.8	444.8	169.5
		7	547.3	126.0	520.9	138.8	491.0	153.5	458.0	170.3
		8	562.9	126.8	535.8	139.6	505.2	154.3	471.4	171.1
		9	578.5	127.6	550.8	140.4	519.5	155.1	485.0	171.9
		10	594.2	128.4	566.0	141.2	534.0	155.9	498.8	172.7
152	DCC052DX-14EYY0	5	539.4	135.2	513.0	148.9	483.7	164.5	451.6	182.0
		6	555.1	136.0	528.0	149.7	497.9	165.3	464.9	182.9
		7	570.9	136.8	543.2	150.5	512.4	166.2	478.5	183.8
		8	586.9	137.7	558.6	151.4	527.0	167.1	492.3	184.7
		9	603.0	138.5	574.1	152.3	541.8	168.0	506.3	185.6
		10	619.1	139.4	589.7	153.2	556.8	168.9	520.5	186.5
153	DCC054DX-13DYV0	5	564.2	141.9	534.9	156.5	502.5	173.2	467.3	192.0
		6	580.7	142.8	550.5	157.4	517.3	174.2	481.1	193.0
		7	597.3	143.8	566.4	158.4	532.3	175.2	495.1	194.0
		8	614.1	144.8	582.5	159.4	547.5	176.2	509.4	195.0
		9	631.0	145.8	598.7	160.4	562.9	177.2	523.8	196.1
		10	648.1	146.8	615.1	161.5	578.4	178.3	538.5	197.2
154	DCC057DX-14DVV0	5	593.4	145.0	562.3	160.0	527.9	177.3	490.5	196.9
		6	611.0	145.9	579.0	161.0	543.7	178.3	505.3	197.9
		7	628.7	146.9	595.9	161.9	559.7	179.3	520.2	198.9
		8	646.7	147.9	613.1	163.0	575.9	180.3	535.4	199.9
		9	664.8	149.0	630.4	164.0	592.4	181.4	550.9	201.0
		10	683.1	150.0	648.0	165.1	609.0	182.4	566.5	202.1

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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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
155	DCC060DX-14DVW0	5	620.5	156.2	587.8	172.4	551.7	191.0	512.5	212.0
		6	638.5	157.2	604.9	173.5	567.9	192.1	527.6	213.2
		7	656.6	158.3	622.3	174.6	584.3	193.3	542.9	214.3
		8	675.0	159.4	639.8	175.7	600.8	194.4	558.5	215.5
		9	693.5	160.6	657.5	176.9	617.6	195.6	574.2	216.7
		10	712.1	161.8	675.3	178.1	634.6	196.8	590.1	218.0
156	DCC063DX-14DWW0	5	659.4	168.1	623.8	185.5	584.9	205.4	542.7	227.8
		6	678.2	169.3	641.7	186.7	601.7	206.7	558.4	229.1
		7	697.2	170.5	659.8	188.0	618.8	208.0	574.3	230.4
		8	716.4	171.8	678.2	189.3	636.0	209.3	590.4	231.8
		9	735.8	173.1	696.6	190.6	653.5	210.7	606.8	233.2
		10	755.4	174.4	715.3	192.0	671.1	212.1	623.3	234.6
157	DCC066TX-13GPPY	5	693.7	188.1	654.5	207.6	611.7	229.8	565.7	254.4
		6	713.4	189.6	673.0	209.2	629.0	231.4	581.8	256.0
		7	733.3	191.2	691.8	210.8	646.6	233.0	598.1	257.7
		8	753.4	192.7	710.8	212.4	664.4	234.7	614.6	259.4
		9	773.7	194.4	730.0	214.1	682.5	236.4	631.4	261.2
		10	794.2	196.0	749.4	215.8	700.7	238.1	648.4	262.9
158	DCC070TX-14GPYY	5	732.1	201.6	691.5	222.5	647.1	246.1	599.4	272.4
		6	752.9	203.2	711.2	224.1	665.5	247.8	616.4	274.1
		7	773.9	204.8	731.1	225.8	684.2	249.5	633.7	275.9
		8	795.1	206.4	751.2	227.5	703.1	251.3	651.3	277.7
		9	816.5	208.1	771.5	229.2	722.2	253.1	669.1	279.5
		10	838.1	209.8	792.0	231.0	741.5	254.9	687.1	281.3
159	DCC055DX-15DYV0	5	572.7	138.8	544.5	153.0	512.7	169.2	478.0	187.6
		6	589.7	139.7	560.7	153.9	528.1	170.1	492.4	188.5
		7	606.9	140.6	577.1	154.7	543.6	171.0	507.0	189.3
		8	624.3	141.5	593.6	155.6	559.3	171.9	521.8	190.2
		9	641.8	142.4	610.4	156.5	575.3	172.8	536.8	191.2
		10	659.4	143.3	627.3	157.4	591.4	173.7	552.1	192.1
160	DCC059DX-16DVV0	5	601.3	142.2	571.5	156.9	537.7	173.7	500.8	192.9
		6	619.5	143.1	588.7	157.7	554.0	174.6	516.1	193.7
		7	638.0	144.0	606.2	158.6	570.6	175.4	531.6	194.6
		8	656.7	145.0	623.8	159.5	587.3	176.3	547.4	195.5
		9	675.2	146.0	641.7	160.4	604.3	177.3	563.4	196.4
		10	694.0	146.9	659.7	161.4	621.5	178.2	579.6	197.4
161	DCC061DX-16DVW0	5	629.6	152.9	598.0	168.7	562.6	186.8	523.9	207.3
		6	648.2	153.9	615.7	169.6	579.3	187.7	539.6	208.2
		7	667.0	154.9	633.5	170.6	596.3	188.7	555.5	209.3
		8	685.9	155.9	651.6	171.6	613.4	189.7	571.6	210.3
		9	704.9	156.9	669.9	172.6	630.8	190.8	588.0	211.3
		10	724.0	158.0	688.3	173.7	648.3	191.8	604.6	212.4

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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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
162	DCC065DX-16DWW0	5	670.4	164.2	635.6	181.1	597.3	200.4	555.7	222.2
		6	689.8	165.3	654.1	182.1	614.8	201.5	572.0	223.4
		7	709.3	166.4	672.8	183.3	632.5	202.6	588.6	224.5
		8	729.1	167.6	691.8	184.4	650.4	203.8	605.4	225.7
		9	749.1	168.7	710.9	185.6	668.6	205.0	622.5	226.9
		10	769.2	169.9	730.2	186.8	686.9	206.2	639.7	228.2
163	DCC068TX-16GPPY	5	714.8	180.2	676.8	198.6	635.1	219.7	590.1	243.4
		6	735.6	181.4	696.6	199.9	653.7	221.0	607.4	244.7
		7	756.6	182.7	716.5	201.2	672.6	222.3	625.0	246.1
		8	777.9	184.0	736.8	202.5	691.7	223.7	642.8	247.5
		9	799.3	185.4	757.3	203.9	711.0	225.1	660.9	248.9
		10	821.0	186.8	777.9	205.3	730.6	226.5	679.3	250.4
164	DCC075TX-15GYYY	5	790.1	216.6	745.9	238.8	697.8	263.9	646.2	291.7
		6	812.7	218.3	767.3	240.6	717.8	265.7	664.6	293.5
		7	835.6	220.0	788.9	242.4	738.0	267.5	683.4	295.4
		8	858.8	221.8	810.8	244.2	758.5	269.4	702.4	297.3
		9	882.2	223.6	832.9	246.1	779.3	271.4	721.7	299.3
		10	905.8	225.5	855.2	248.0	800.3	273.3	741.3	301.3
165	DCC077TX-16GYYV	5	812.6	218.6	767.6	241.3	718.4	267.0	665.4	295.6
		6	836.1	220.3	789.8	243.0	739.2	268.7	684.6	297.4
		7	859.8	222.0	812.2	244.8	760.2	270.5	704.2	299.2
		8	883.7	223.7	834.9	246.6	781.5	272.4	724.0	301.1
		9	907.9	225.5	857.9	248.4	803.1	274.3	744.1	303.0
		10	932.4	227.4	881.1	250.3	825.0	276.2	764.5	305.0
166	DCC072TX-17GPYY	5	752.2	193.7	712.9	213.6	669.7	236.2	622.9	261.5
		6	774.0	195.0	733.7	214.9	689.3	237.6	641.2	262.9
		7	796.0	196.4	754.7	216.3	709.1	239.0	659.7	264.4
		8	818.3	197.7	776.0	217.7	729.2	240.4	678.5	265.9
		9	840.8	199.2	797.5	219.1	749.6	241.9	697.6	267.4
		10	863.5	200.6	819.2	220.6	770.2	243.4	716.9	268.9
167	DCC077TX-18GYYY	5	810.9	208.5	768.0	229.7	721.0	253.8	670.2	280.8
		6	834.6	210.0	790.5	231.2	742.2	255.3	689.9	282.3
		7	858.6	211.5	813.3	232.7	763.6	256.9	709.9	283.9
		8	882.9	213.0	836.4	234.3	785.4	258.5	730.3	285.5
		9	907.4	214.5	859.8	235.9	807.5	260.1	750.9	287.2
		10	932.2	216.1	883.4	237.5	829.8	261.8	771.9	288.8
168	DCC080TX-17GYVV	5	835.1	220.7	789.3	243.8	739.0	270.1	684.7	299.5
		6	859.4	222.3	812.3	245.4	760.6	271.8	704.7	301.3
		7	883.9	224.0	835.6	247.1	782.4	273.5	725.0	303.0
		8	908.7	225.7	859.1	248.9	804.6	275.3	745.6	304.9
		9	933.7	227.4	882.9	250.7	827.0	277.2	766.5	306.7
		10	959.0	229.3	906.9	252.6	849.7	279.1	787.7	308.7

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
169	DCC083TX-18GVVV	5	857.7	222.7	811.0	246.2	759.6	273.2	703.9	303.4
		6	882.7	224.3	834.8	247.9	782.0	274.8	724.7	305.1
		7	908.1	225.9	858.9	249.5	804.7	276.5	745.8	306.8
		8	933.7	227.6	883.2	251.2	827.6	278.3	767.2	308.6
		9	959.5	229.3	907.9	253.0	850.9	280.1	789.0	310.5
		10	985.6	231.1	932.7	254.8	874.4	281.9	811.0	312.3
170	DCC086TX-18GVVW	5	895.4	235.5	845.4	260.2	790.7	288.4	731.8	320.1
		6	921.5	237.2	870.1	262.0	813.9	290.3	753.2	322.0
		7	947.9	239.1	895.1	263.9	837.3	292.2	774.9	324.0
		8	974.6	240.9	920.4	265.8	861.0	294.2	797.0	325.9
		9	1001.5	242.9	945.9	267.8	885.1	296.2	819.4	328.0
		10	1028.8	244.9	971.8	269.8	909.4	298.3	842.1	330.1
171	DCC088TX-18GVWW	5	924.8	247.7	872.9	273.7	816.2	303.3	755.1	336.4
		6	951.4	249.6	898.0	275.6	839.7	305.3	776.8	338.5
		7	978.2	251.5	923.4	277.7	863.5	307.4	798.9	340.6
		8	1005.3	253.6	949.1	279.7	887.5	309.5	821.2	342.8
		9	1032.7	255.6	975.0	281.9	911.9	311.7	843.9	345.1
		10	1060.3	257.8	1001.2	284.1	936.5	314.0	866.9	347.3
172	DCC091TX-18GWWW	5	954.3	259.9	900.4	287.1	841.7	318.1	778.4	352.8
		6	981.3	261.9	925.9	289.3	865.5	320.3	800.4	355.0
		7	1008.5	264.0	951.7	291.5	889.6	322.6	822.8	357.3
		8	1036.0	266.2	977.8	293.7	914.1	324.9	845.5	359.7
		9	1063.8	268.4	1004.1	296.0	938.8	327.2	868.5	362.1
		10	1091.7	270.7	1030.6	298.3	963.7	329.7	891.7	364.6
173	DCC070TX-19GPPY	5	728.6	175.6	691.9	193.4	651.1	213.7	606.7	236.7
		6	750.3	176.7	712.4	194.4	670.5	214.8	624.9	237.8
		7	772.2	177.9	733.2	195.6	690.2	215.9	643.3	239.0
		8	794.2	179.0	754.3	196.7	710.1	217.1	662.1	240.2
		9	816.4	180.2	775.6	197.9	730.4	218.3	681.1	241.4
		10	838.9	181.4	797.1	199.1	750.8	219.5	700.4	242.6
174	DCC074TX-20GPYY	5	765.7	189.0	727.7	208.2	685.4	230.0	639.3	254.7
		6	788.3	190.2	749.2	209.3	705.8	231.2	658.4	255.9
		7	811.2	191.4	771.0	210.5	726.4	232.4	677.8	257.1
		8	834.2	192.6	793.1	211.7	747.4	233.7	697.5	258.4
		9	857.4	193.8	815.4	213.0	768.6	234.9	717.5	259.7
		10	880.8	195.1	837.9	214.3	790.1	236.2	737.7	261.0
175	DCC079TX-21GYYY	5	825.5	203.6	783.6	224.1	737.4	247.4	687.4	273.7
		6	849.9	204.9	806.9	225.3	759.5	248.7	708.0	275.0
		7	874.7	206.2	830.5	226.7	781.8	250.1	728.9	276.4
		8	899.8	207.5	854.5	228.0	804.5	251.4	750.2	277.8
		9	925.2	208.9	878.8	229.4	827.5	252.9	771.8	279.2
		10	950.8	210.3	903.3	230.8	850.8	254.3	793.7	280.7

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

			Ambient (°C)							
	Model	Supply Temp °C	25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
176	DCC080TX-19GYYV	5	832.1	211.2	788.3	232.9	740.2	257.6	688.1	285.4
		6	856.5	212.7	811.5	234.3	762.1	259.1	708.5	286.9
		7	881.2	214.1	835.1	235.8	784.3	260.6	729.2	288.4
		8	906.2	215.6	859.0	237.4	806.8	262.2	750.3	290.0
		9	931.5	217.2	883.1	238.9	829.7	263.8	771.7	291.6
		10	957.1	218.8	907.5	240.5	852.7	265.4	793.3	293.3
177	DCC081TX-22GYYV	5	845.5	206.6	803.1	227.6	755.9	251.6	704.5	278.7
		6	870.7	207.9	827.2	228.8	778.6	252.9	725.8	280.0
		7	896.3	209.2	851.5	230.1	801.7	254.2	747.4	281.3
		8	922.2	210.5	876.2	231.5	825.1	255.5	769.3	282.7
		9	948.3	211.9	901.1	232.9	848.8	256.9	791.6	284.1
		10	974.6	213.4	926.4	234.3	872.8	258.4	814.2	285.5
178	DCC082TX-20GYVV	5	853.2	213.9	808.6	236.0	759.4	261.4	706.0	290.0
		6	878.4	215.3	832.6	237.5	782.1	262.8	727.1	291.5
		7	903.9	216.8	856.9	238.9	805.0	264.3	748.5	293.0
		8	929.6	218.3	881.5	240.4	828.3	265.9	770.3	294.5
		9	955.6	219.8	906.4	242.0	851.8	267.4	792.4	296.1
		10	981.9	221.4	931.5	243.6	875.7	269.1	814.8	297.7
179	DCC085TX-21GVVV	5	874.4	216.7	828.9	239.2	778.7	265.2	723.9	294.6
		6	900.3	218.0	853.7	240.6	802.0	266.6	745.7	296.0
		7	926.5	219.4	878.7	242.0	825.7	268.1	767.9	297.5
		8	953.0	220.9	904.1	243.5	849.7	269.6	790.4	299.0
		9	979.8	222.4	929.7	245.0	874.0	271.1	813.2	300.6
		10	1006.7	224.0	955.6	246.6	898.6	272.7	836.3	302.2
180	DCC088TX-21GVVW	5	914.3	228.5	865.5	252.2	811.9	279.5	753.9	310.2
		6	941.4	230.1	891.3	253.8	836.2	281.1	776.4	311.8
		7	968.8	231.7	917.4	255.4	860.8	282.7	799.3	313.5
		8	996.5	233.3	943.8	257.1	885.7	284.4	822.6	315.2
		9	1024.5	235.0	970.1	258.8	910.9	286.1	846.2	317.0
		10	1052.8	236.7	997.5	260.5	936.5	287.9	870.2	318.8
181	DCC091TX-21GVWW	5	945.2	239.9	894.6	264.8	839.0	293.4	778.8	325.5
		6	972.7	241.6	920.8	266.5	863.7	295.1	801.8	327.3
		7	1000.6	243.3	947.3	268.3	888.7	296.9	825.1	329.1
		8	1028.8	245.0	974.2	270.0	914.0	298.7	848.7	331.0
		9	1057.3	246.9	1000.6	272.0	939.6	300.6	872.7	332.9
		10	1086.0	248.7	1028.8	273.8	965.6	302.5	897.0	334.9
182	DCC094TX-21GWWW	5	976.0	251.3	923.6	277.4	866.1	307.3	803.8	340.8
		6	1004.1	253.1	950.3	279.2	891.2	309.1	827.1	342.8
		7	1032.5	254.9	977.3	281.1	916.6	311.1	850.8	344.8
		8	1061.2	256.8	1004.6	283.0	942.3	313.0	874.8	346.8
		9	1090.1	258.7	1031.1	285.2	968.4	315.1	899.2	348.8
		10	1119.2	260.7	1060.0	287.0	994.7	317.1	923.9	351.0

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 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)	m²	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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	468.3	489.6	482.6
Nominal Input - Mechanical		kW	170.5	183.7	163.8
EER	(2)		2.75	2.67	2.95
ESEER			3.91	3.90	4.12
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
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 4846	2682 x 2200 x 4846	2682 x 2200 x 5978
Weight					
Machine	(3)	kg	3835	3980	4335
Operating		kg	4075	4215	4605
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 - EC Fans		m³/s	51.6	51.6	64.4
Quantity			8	8	10
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	21 + 31	25 + 28	24 + 34
GWP Tonnes Equivalent CO2		tCO2	44 + 65	52 + 58	50 + 71
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1849	1508	1885
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	505.5	523.5	553.9
Nominal Input - Mechanical		kW	177.3	187.9	191.7
EER	(2)		2.85	2.79	2.89
ESEER			4.05	4.10	4.17
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
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	0.17	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	4465	4440	4485
Operating		kg	4735	4775	4810
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 - EC Fans		m³/s	64.4	58.0	64.4
Quantity			10	9	10
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	29 + 30	26 + 32	32 + 33
GWP Tonnes Equivalent CO2		tCO2	61 + 63	54 + 67	67 + 69
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1523	1544	1678
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	578.0	611.7	648.2
Nominal Input - Mechanical		kW	206.0	221.1	242.5
EER	(2)		2.81	2.77	2.67
ESEER			4.14	4.01	3.88
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
Capacity Steps		%	15-35-50-70-85-100	20-35-50-70-85-100	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	4535	4600	4985
Operating		kg	4865	4920	5495
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 - EC Fans		m³/s	64.4	64.4	64.4
Quantity			10	10	10
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	32 + 33	33 + 34	21 + 23 + 29
GWP Tonnes Equivalent CO2		tCO2	67 + 69	69 + 71	44 + 48 + 61
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1668	1881	1850
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	489.5	511.8	536.5
Nominal Input - Mechanical		kW	158.3	171.3	181.6
EER	(2)		3.09	2.99	2.96
ESEER			4.27	4.17	4.25
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
Capacity Steps		%	25-40-65-80-100	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 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Weight					
Machine	(3)	kg	4875	5000	4975
Operating		kg	5205	5330	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 - EC Fans		m³/s	77.3	77.3	70.9
Quantity			12	12	11
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	28 + 37	32 + 33	30 + 35
GWP Tonnes Equivalent CO2		tCO2	58 + 77	67 + 69	63 + 73
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1909	1535	1561
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	563.2	590.9	629.4
Nominal Input - Mechanical		kW	185.4	199.8	215.0
EER	(2)		3.04	2.96	2.93
ESEER			4.30	4.27	4.12
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
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	0.17	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	5020	5075	5130
Operating		kg	5410	5465	5520
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 - EC Fans		m³/s	77.3	77.3	77.3
Quantity			12	12	12
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	35 + 36	35 + 36	36 + 37
GWP Tonnes Equivalent CO2		tCO2	73 + 75	73 + 75	75 + 77
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1691	1682	1898
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	688.6	745.8	543.1
Nominal Input - Mechanical		kW	258.8	276.4	176.0
EER	(2)		2.66	2.70	3.09
ESEER			3.92	4.01	4.37
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
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	0.17
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	5830	5435
Operating		kg	6170	6385	5870
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 - EC Fans		m³/s	70.9	77.3	83.8
Quantity			11	12	13
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	21 + 28 + 28	27 + 29 + 30	33 + 37
GWP Tonnes Equivalent CO2		tCO2	44 + 58 + 58	56 + 61 + 63	69 + 77
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1839	1534	1573
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	570.0	597.7	636.5
Nominal Input - Mechanical		kW	180.3	194.1	208.6
EER	(2)		3.16	3.08	3.05
ESEER			4.40	4.37	4.23
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
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	5495	5540	5605
Operating		kg	5925	5970	6030
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 - EC Fans		m³/s	90.2	90.2	90.2
Quantity			14	14	14
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	39 + 38	39 + 38	40 + 39
GWP Tonnes Equivalent CO2		tCO2	81 + 79	81 + 79	84 + 81
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1702	1692	1910
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	677.5	715.0	769.6
Nominal Input - Mechanical		kW	232.4	248.9	279.9
EER	(2)		2.92	2.87	2.75
ESEER			4.10	4.13	4.03
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
Capacity Steps		%	15-30-45-60-75-90-100	15-30-40-55-65-75-90-100	10-25-35-45-55-70-80-90-100
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	5935	6140	6265
Operating		kg	6545	6745	6900
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 - EC Fans		m³/s	83.8	90.2	83.8
Quantity			13	14	13
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	24 + 27 + 31	24 + 31 + 31	27 + 29 + 33
GWP Tonnes Equivalent CO2		tCO2	50 + 56 + 65	50 + 65 + 65	56 + 61 + 69
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1887	1875	1534
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	793.5	688.1	771.6
Nominal Input - Mechanical		kW	283.3	223.4	267.0
EER	(2)		2.80	3.08	2.89
ESEER			4.07	4.27	4.16
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
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	0.12
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	6330	6350	6665
Operating		kg	6970	6960	7360
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 - EC Fans		m³/s	90.2	103.1	96.7
Quantity			14	16	15
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	27 + 33 + 33	28 + 31 + 34	31 + 33 + 33
GWP Tonnes Equivalent CO2		tCO2	56 + 69 + 69	58 + 65 + 71	65 + 69 + 69
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN125	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1534	1911	1551
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	791.2	817.3	851.5
Nominal Input - Mechanical		kW	270.4	286.7	301.7
EER	(2)		2.93	2.85	2.82
ESEER			4.18	4.13	4.20
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
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	0.12	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	6670	6760
Operating		kg	7435	7360	7445
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 - EC Fans		m³/s	103.1	96.7	96.7
Quantity			16	15	15
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	30 + 33 + 37	31 + 33 + 34	33 + 35 + 35
GWP Tonnes Equivalent CO2		tCO2	63 + 69 + 77	65 + 69 + 71	69 + 73 + 73
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1551	1645	1661
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	878.9	906.2	724.9
Nominal Input - Mechanical		kW	316.2	330.7	240.0
EER	(2)		2.78	2.74	3.02
ESEER			4.15	4.08	4.29
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
Capacity Steps		%	10-25-35-45-55-70-80-90-100	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	6820	6865	6910
Operating		kg	7500	7545	7605
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 - EC Fans		m³/s	96.7	96.7	109.6
Quantity			15	15	17
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	33 + 35 + 35	33 + 35 + 35	28 + 34 + 35
GWP Tonnes Equivalent CO2		tCO2	69 + 73 + 73	69 + 73 + 73	58 + 71 + 73
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1661	1852	1899
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	781.6	810.7	830.3
Nominal Input - Mechanical		kW	257.9	273.8	277.1
EER	(2)		3.03	2.96	3.00
ESEER			4.29	4.21	4.26
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
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			0.12	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	7125	7065	7140
Operating		kg	7805	7745	7820
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 - EC Fans		m³/s	116.0	109.6	116.0
Quantity			18	17	18
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	34 + 35 + 36	31 + 36 + 37	35 + 36 + 37
GWP Tonnes Equivalent CO2		tCO2	71 + 73 + 75	65 + 75 + 77	73 + 75 + 77
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1563	1551	1658
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	869.2	900.5	931.7
Nominal Input - Mechanical		kW	292.3	306.9	321.5
EER	(2)		2.97	2.93	2.90
ESEER			4.33	4.28	4.21
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
Capacity Steps		%	10-20-35-45-55-70-80-90-100	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	0.12
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	7225	7285	7320
Operating		kg	7895	7955	7990
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 - EC Fans		m³/s	116.0	116.0	116.0
Quantity			18	18	18
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	36 + 38 + 39	36 + 38 + 39	36 + 38 + 39
GWP Tonnes Equivalent CO2		tCO2	75 + 79 + 81	75 + 79 + 81	75 + 79 + 81
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1675	1675	1868
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	801.1	820.7	840.2
Nominal Input - Mechanical		kW	261.8	265.7	269.6
EER	(2)		3.06	3.09	3.12
ESEER			4.30	4.32	4.35
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
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	0.12
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	7445	7510	7860
Operating		kg	8170	8235	8630
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 - EC Fans		m³/s	122.4	128.9	135.3
Quantity			19	20	21
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	34 + 35 + 41	34 + 39 + 41	39 + 39 + 42
GWP Tonnes Equivalent CO2		tCO2	71 + 73 + 86	71 + 81 + 86	81 + 81 + 88
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1563	1563	1668
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	879.5	910.8	942.1
Nominal Input - Mechanical		kW	284.1	298.1	312.0
EER	(2)		3.10	3.06	3.02
ESEER			4.43	4.38	4.31
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
Capacity Steps		%	10-20-35-45-55-70-80-90-100	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	0.12
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	7940	7995	8055
Operating		kg	8700	8755	8815
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 - EC Fans		m³/s	135.3	135.3	135.3
Quantity			21	21	21
Maximum Speed - EC Fans		rpm	1026	1026	1026
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			R410A / 2088		
Charge (Total)		kg	40 + 40 + 44	40 + 40 + 44	40 + 40 + 44
GWP Tonnes Equivalent CO2		tCO2	84 + 84 + 92	84 + 84 + 92	84 + 84 + 92
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1685	1685	1881
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	464.8	484.7	480.2
Nominal Input - Mechanical		kW	163.8	177.7	157.5
EER	(2)		2.84	2.73	3.05
ESEER			4.10	4.08	4.27
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
Capacity Steps		%	25-45-65-85-100	20-35-55-70-85-100	25-45-65-80-100
Minimum Turndown Ratio			0.24	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	4625	5020
Operating		kg	4755	4890	5355
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 - EC Fans		m³/s	44.1	44.1	53.0
Quantity			10	10	12
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	24 + 34	29 + 30	28 + 37
GWP Tonnes Equivalent CO2		tCO2	50 + 71	61 + 63	58 + 77
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1885	1523	1909
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	500.9	516.7	545.1
Nominal Input - Mechanical		kW	170.7	181.6	185.0
EER	(2)		2.93	2.85	2.95
ESEER			4.18	4.27	4.32
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
Capacity Steps		%	20-35-55-70-85-100	20-35-55-70-85-100	20-35-55-70-85-100
Minimum Turndown Ratio			0.18	0.18	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	5155	5135	5175
Operating		kg	5485	5530	5565
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 - EC Fans		m³/s	53.0	48.6	53.0
Quantity			12	11	12
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	32 + 33	30 + 35	35 + 36
GWP Tonnes Equivalent CO2		tCO2	67 + 69	63 + 73	73 + 75
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1535	1561	1691
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	568.2	600.4	491.0
Nominal Input - Mechanical		kW	200.0	215.7	153.5
EER	(2)		2.84	2.78	3.20
ESEER			4.29	4.16	4.39
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
Capacity Steps		%	15-35-55-70-85-100	20-35-55-70-85-100	25-40-65-80-100
Minimum Turndown Ratio			0.17	0.18	0.23
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	5230	5285	5490
Operating		kg	5620	5675	5860
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 - EC Fans		m³/s	53.0	53.0	61.8
Quantity			12	12	14
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	35 + 36	36 + 37	32 + 39
GWP Tonnes Equivalent CO2		tCO2	73 + 75	75 + 77	67 + 81
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1682	1898	1926
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	512.4	532.3	559.7
Nominal Input - Mechanical		kW	166.2	175.2	179.3
EER	(2)		3.08	3.04	3.12
ESEER			4.26	4.38	4.41
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
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	0.17	0.18
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	5610	5610	5635
Operating		kg	5980	6040	6065
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 - EC Fans		m³/s	61.8	57.4	61.8
Quantity			14	13	14
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	36 + 35	33 + 37	39 + 38
GWP Tonnes Equivalent CO2		tCO2	75 + 73	69 + 77	81 + 79
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1543	1573	1702
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	584.3	618.8	646.6
Nominal Input - Mechanical		kW	193.3	208.0	233.0
EER	(2)		3.02	2.98	2.78
ESEER			4.39	4.25	4.09
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
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	5705	5755	6200
Operating		kg	6135	6180	6810
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 - EC Fans		m³/s	61.8	61.8	57.4
Quantity			14	14	13
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	39 + 38	40 + 39	24 + 27 + 31
GWP Tonnes Equivalent CO2		tCO2	81 + 79	84 + 81	50 + 56 + 65
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1692	1910	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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	2	2
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	684.2	543.6	570.6
Nominal Input - Mechanical		kW	249.5	171.0	175.4
EER	(2)		2.74	3.18	3.25
ESEER			4.13	4.47	4.49
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
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	0.17	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	6395	5935	5980
Operating		kg	7005	6375	6410
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 - EC Fans		m³/s	61.8	66.2	70.6
Quantity			14	15	16
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	24 + 31 + 31	37 + 40	43 + 41
GWP Tonnes Equivalent CO2		tCO2	50 + 65 + 65	77 + 84	90 + 86
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1875	1582	1710
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			2	2	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	596.3	632.5	672.6
Nominal Input - Mechanical		kW	188.7	202.6	222.3
EER	(2)		3.16	3.12	3.03
ESEER			4.46	4.32	4.27
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
Capacity Steps		%	15-35-50-70-85-100	20-35-50-70-85-100	15-35-45-60-75-90-100
Minimum Turndown Ratio			0.00	0.18	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	6035	6100	6605
Operating		kg	6465	6525	7215
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 - EC Fans		m³/s	70.6	70.6	70.6
Quantity			16	16	16
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	43 + 41	44 + 42	28 + 31 + 34
GWP Tonnes Equivalent CO2		tCO2	90 + 86	92 + 88	58 + 65 + 71
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	0	1920	1911
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	738.0	760.2	709.1
Nominal Input - Mechanical		kW	267.5	270.5	239.0
EER	(2)		2.76	2.81	2.97
ESEER			4.19	4.20	4.29
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
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	6830	6890	7165
Operating		kg	7430	7485	7860
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 - EC Fans		m³/s	66.2	70.6	75.0
Quantity			15	16	17
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	31 + 33 + 33	30 + 33 + 37	28 + 34 + 35
GWP Tonnes Equivalent CO2		tCO2	65 + 69 + 69	63 + 69 + 77	58 + 71 + 73
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1551	1551	1899
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	763.6	782.4	804.7
Nominal Input - Mechanical		kW	256.9	273.5	276.5
EER	(2)		2.97	2.86	2.91
ESEER			4.31	4.23	4.28
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
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	0.12	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	7400	7340	7400
Operating		kg	8080	8020	8080
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 - EC Fans		m³/s	79.5	75.0	79.5
Quantity			18	17	18
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	34 + 35 + 36	31 + 36 + 37	35 + 36 + 37
GWP Tonnes Equivalent CO2		tCO2	71 + 73 + 75	65 + 75 + 77	73 + 75 + 77
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1563	1551	1658
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	837.3	863.5	889.6
Nominal Input - Mechanical		kW	292.2	307.4	322.6
EER	(2)		2.87	2.81	2.76
ESEER			4.36	4.30	4.24
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
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	7485	7530	7595
Operating		kg	8155	8200	8265
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 - EC Fans		m³/s	79.5	79.5	79.5
Quantity			18	18	18
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	36 + 38 + 39	36 + 38 + 39	36 + 38 + 39
GWP Tonnes Equivalent CO2		tCO2	75 + 79 + 81	75 + 79 + 81	75 + 79 + 81
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1675	1675	1868
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	690.2	726.4	781.8
Nominal Input - Mechanical		kW	215.9	232.4	250.1
EER	(2)		3.20	3.13	3.13
ESEER			4.40	4.41	4.39
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
Capacity Steps		%	15-30-45-60-75-90-100	15-30-40-55-65-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.16	0.15	0.12
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	7395	7600	8100
Operating		kg	8135	8340	8875
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 - EC Fans		m³/s	83.9	88.3	92.7
Quantity			19	20	21
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	31 + 34 + 39	31 + 37 + 39	38 + 38 + 41
GWP Tonnes Equivalent CO2		tCO2	65 + 71 + 81	65 + 77 + 81	79 + 79 + 86
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1929	1916	1572
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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			No	No	No
Enhance Capital Allowance			No	No	No
Number of Refrigeration Circuits			3	3	3
Cooling Duty - EC Fans					
Nominal Output - Mechanical	(1)	kW	784.3	801.7	805.0
Nominal Input - Mechanical		kW	260.6	254.2	264.3
EER	(2)		3.01	3.15	3.05
ESEER			4.31	4.40	4.33
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
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
Minimum Turndown Ratio			0.12	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	7695	8190	7750
Operating		kg	8420	8960	8475
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 - EC Fans		m³/s	83.9	97.1	88.3
Quantity			19	22	20
Maximum Speed - EC Fans		rpm	725	725	725
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			R410A / 2088		
Charge (Total)		kg	34 + 35 + 41	37 + 38 + 45	34 + 39 + 41
GWP Tonnes Equivalent CO2		tCO2	71 + 73 + 86	77 + 79 + 94	71 + 81 + 86
Refrigerant Control			Electronic Expansion Valve (EEV)		
Water Inlet / Outlet - Unit			DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2
Water System					
Minimum System Water Volume	(4)	l	1563	1572	1563
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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	182.00 DCC094TX-21GWWW
FreeCooling			No	No	No	No
Enhance Capital Allowance			No	No	No	No
Number of Refrigeration Circuits			3	3	3	3
Cooling Duty - EC Fans						
Nominal Output - Mechanical	(1)	kW	825.7	860.8	888.7	916.6
Nominal Input - Mechanical		kW	268.1	282.7	296.9	311.1
EER	(2)		3.08	3.04	2.99	2.95
ESEER			4.37	4.45	4.40	4.33
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
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	8125	8210	8260	8320
Operating		kg	8895	8975	9020	9080
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 - EC Fans		m³/s	92.7	92.7	92.7	92.7
Quantity			21	21	21	21
Maximum Speed - EC Fans		rpm	725	725	725	725
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9	9.00
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			R410A / 2088			
Charge (Total)		kg	39 + 39 + 42	40 + 40 + 44	40 + 40 + 44	40 + 40 + 44
GWP Tonnes Equivalent CO2		tCO2	81 + 81 + 88	84 + 84 + 92	84 + 84 + 92	84 + 84 + 92
Refrigerant Control			Electronic Expansion Valve (EEV)			
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	0.50
Water System						
Minimum System Water Volume	(4)	l	1668	1685	1685	1881
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. All performance data supplied in accordance with BBS EN14511-1:2013
(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	331.7	333.4	339.4
Maximum Start Amps		A	595.1	609.0	602.8
Recommended Mains Fuse Size		A	355	355	400
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 47.9	59.2 / 55.2
Quantity			2 + 3	3 + 3	2 + 3
Motor Rating		kW	36.2 / 33.1	29.8 / 29.8	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326	326 / 326	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	308.4	318.3	316.2
Reactive power reduction/saving	(4)	kVAr	41.1	28.5	41.1
Maximum Start Amps		A	571.8	593.9	579.6
Recommended Mains Fuse Size		A	355	355	400
Electronic Soft-start					
Nominal Run Amps		A	331.7	333.4	339.4
Maximum Start Amps		A	464.7	478.6	472.4
Recommended Mains Fuse		A	355	355	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	308.4	318.3	316.2
Maximum Start Amps		A	441.4	463.5	449.2
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	340.3	341.8	347.9
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	342.8	344.3	350.4
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	337.5	339.3	345.2
Recommended Mains Fuse Size		A	400	355	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	339.8	341.7	347.5
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, EC 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	341.1	361.5	390.0
Maximum Start Amps		A	616.7	628.9	657.4
Recommended Mains Fuse Size		A	355	400	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 47.9	47.9 / 55.2	55.2 / 55.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.8 / 29.8	29.8 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	326.1	339.5	360.7
Reactive power reduction/saving	(4)	kVAr	28.5	39.7	50.9
Maximum Start Amps		A	601.7	606.9	628.1
Recommended Mains Fuse Size		A	355	400	450
Electronic Soft-start					
Nominal Run Amps		A	341.1	361.5	390.0
Maximum Start Amps		A	486.3	498.5	527.0
Recommended Mains Fuse		A	355	400	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	326.1	339.5	360.7
Maximum Start Amps		A	471.3	476.5	497.7
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	349.5	370.0	398.5
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	352.1	372.5	401.0
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	347.1	367.3	395.7
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	349.4	369.6	398.0
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, EC 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	402.0	414.1	440.1
Maximum Start Amps		A	665.4	649.5	703.5
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	250
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 / 47.9
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 298	298 / 298	298 / 298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	374.4	388.0	415.2
Reactive power reduction/saving	(4)	kVAr	48.9	46.8	45.4
Maximum Start Amps		A	637.8	623.4	678.6
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	402.0	414.1	440.1
Maximum Start Amps		A	535.0	530.3	573.1
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	374.4	388.0	415.2
Maximum Start Amps		A	507.4	504.2	548.2
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	410.5	425.2	451.1
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	413.0	428.8	454.8
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	407.8	422.3	448.4
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	410.1	425.3	451.3
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, EC 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	347.1	348.9	369.2
Maximum Start Amps		A	610.5	624.5	636.6
Recommended Mains Fuse Size		A	400	400	400
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 47.9	47.9 / 55.2
Quantity			2 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 33.1	29.8 / 29.8	29.8 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	324.0	333.8	347.3
Reactive power reduction/saving	(4)	kVAr	41.2	28.6	39.8
Maximum Start Amps		A	587.4	609.4	614.7
Recommended Mains Fuse Size		A	400	400	400
Electronic Soft-start					
Nominal Run Amps		A	347.1	348.9	369.2
Maximum Start Amps		A	480.1	494.1	506.2
Recommended Mains Fuse		A	400	400	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	324.0	333.8	347.3
Maximum Start Amps		A	457.0	479.0	484.3
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	355.6	357.3	377.7
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	358.1	359.8	380.2
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	352.9	354.8	375.1
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	355.2	357.2	377.4
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, EC 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	397.6	409.7	421.8
Maximum Start Amps		A	665.0	673.1	657.2
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	326 / 326	326 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	368.5	382.1	395.8
Reactive power reduction/saving	(4)	kVAr	51.0	48.9	46.8
Maximum Start Amps		A	635.9	645.5	631.2
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	397.6	409.7	421.8
Maximum Start Amps		A	534.6	542.7	538.0
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	368.5	382.1	395.8
Maximum Start Amps		A	505.5	515.1	512.0
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	406.2	420.8	432.9
Recommended Mains Fuse Size		A	450	450	450
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	408.7	424.4	436.5
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	403.4	417.9	430.1
Recommended Mains Fuse Size		A	450	450	450
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	405.7	420.8	433.0
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, EC 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	470.1	500.1	376.9
Maximum Start Amps		A	733.5	775.7	644.3
Recommended Mains Fuse Size		A	500	560	400
Evaporator					
Immersion Heater Rating		W	250	250	170
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 / 47.9 / 47.9	47.9 / 47.9 / 47.9	47.9 / 55.2
Quantity			2 + 3 + 3	3 + 3 + 3	3 + 3
Motor Rating		kW	36.2 / 29.8 / 29.8	29.8 / 29.8 / 29.8	29.8 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326 / 326	326 / 326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	446.3	477.4	355.0
Reactive power reduction/saving	(4)	kVAr	44.1	42.7	39.8
Maximum Start Amps		A	709.7	753.0	622.4
Recommended Mains Fuse Size		A	500	560	400
Electronic Soft-start					
Nominal Run Amps		A	470.1	500.1	376.9
Maximum Start Amps		A	603.1	645.3	513.9
Recommended Mains Fuse		A	500	560	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	446.3	477.4	355.0
Maximum Start Amps		A	579.3	622.6	492.0
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	481.1	511.0	385.4
Recommended Mains Fuse Size		A	500	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	491.0	521.0	387.9
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	478.4	508.4	382.8
Recommended Mains Fuse Size		A	500	560	400
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	486.3	516.3	385.1
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, EC 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	405.3	417.4	429.6
Maximum Start Amps		A	672.7	680.8	665.0
Recommended Mains Fuse Size		A	450	450	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	326 / 326	326 / 298	298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	376.3	389.9	403.6
Reactive power reduction/saving	(4)	kVAr	51.0	49.0	46.9
Maximum Start Amps		A	643.7	653.3	639.0
Recommended Mains Fuse Size		A	450	450	450
Electronic Soft-start					
Nominal Run Amps		A	405.3	417.4	429.6
Maximum Start Amps		A	542.3	550.4	545.8
Recommended Mains Fuse		A	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	376.3	389.9	403.6
Maximum Start Amps		A	513.3	522.9	519.8
Recommended Mains Fuse Size		A	450	450	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	416.4	428.5	440.6
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	11.2	14.8	21.2
Unit Nominal Run Amps		A	416.4	432.1	450.6
Recommended Mains Fuse Size		A	450	450	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	413.5	425.6	437.8
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	413.4	428.5	445.6
Recommended Mains Fuse Size		A	450	450	500
Motor Rating		kW	6.3	8.6	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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	451.7	481.7	528.1
Maximum Start Amps		A	715.1	745.1	795.5
Recommended Mains Fuse Size		A	500	500	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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 / 47.9	59.2 / 47.9 / 47.9	47.9 / 47.9 / 55.2
Quantity			2 + 2 + 3	2 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 29.8 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 326	298 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	426.9	458.0	498.6
Reactive power reduction/saving	(4)	kVAr	45.5	44.1	53.9
Maximum Start Amps		A	690.3	721.4	766.0
Recommended Mains Fuse Size		A	500	500	560
Electronic Soft-start					
Nominal Run Amps		A	451.7	481.7	528.1
Maximum Start Amps		A	584.7	614.7	665.1
Recommended Mains Fuse		A	500	500	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	426.9	458.0	498.6
Maximum Start Amps		A	559.9	591.0	635.6
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	462.7	492.7	539.1
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	472.7	502.6	549.1
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	460.0	490.0	536.4
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	467.8	497.9	544.2
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, EC 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	556.4	463.3	511.7
Maximum Start Amps		A	823.8	726.7	787.3
Recommended Mains Fuse Size		A	630	500	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 55.2 / 55.2	59.2 / 59.2 / 47.9	47.9 / 47.9 / 47.9
Quantity			3 + 3 + 3	2 + 2 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 33.1 / 33.1	36.2 / 36.2 / 29.8	29.8 / 29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	298 / 298 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	519.8	438.6	489.1
Reactive power reduction/saving	(4)	kVAr	65.2	45.6	42.8
Maximum Start Amps		A	787.2	702.0	764.7
Recommended Mains Fuse Size		A	630	500	560
Electronic Soft-start					
Nominal Run Amps		A	556.4	463.3	511.7
Maximum Start Amps		A	693.4	596.3	656.9
Recommended Mains Fuse		A	630	500	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	519.8	438.6	489.1
Maximum Start Amps		A	656.8	571.6	634.3
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	567.5	474.3	522.7
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	577.5	484.3	532.6
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	564.6	471.6	520.1
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	572.3	479.5	528.0
Recommended Mains Fuse Size		A	630	500	560
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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	539.7	584.9	597.0
Maximum Start Amps		A	807.1	852.3	860.4
Recommended Mains Fuse Size		A	560	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 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	29.8 / 29.8 / 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	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	510.3	541.0	554.7
Reactive power reduction/saving	(4)	kVAr	54.0	76.4	74.3
Maximum Start Amps		A	777.7	808.4	818.1
Recommended Mains Fuse Size		A	560	630	630
Electronic Soft-start					
Nominal Run Amps		A	539.7	584.9	597.0
Maximum Start Amps		A	676.7	721.9	730.0
Recommended Mains Fuse		A	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	510.3	541.0	554.7
Maximum Start Amps		A	647.3	678.0	687.7
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	550.7	596.0	608.0
Recommended Mains Fuse Size		A	630	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	560.7	606.0	618.1
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	548.0	593.0	605.1
Recommended Mains Fuse Size		A	630	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	555.8	600.7	612.8
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, EC 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	609.1	621.2	493.3
Maximum Start Amps		A	872.5	856.6	756.7
Recommended Mains Fuse Size		A	630	670	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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 / 47.9 / 47.9
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 / 29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 298 / 298	298 / 298 / 298	298 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	568.4	582.1	469.7
Reactive power reduction/saving	(4)	kVAr	72.3	70.2	44.2
Maximum Start Amps		A	831.8	817.5	733.1
Recommended Mains Fuse Size		A	630	670	560
Electronic Soft-start					
Nominal Run Amps		A	609.1	621.2	493.3
Maximum Start Amps		A	742.1	737.4	626.3
Recommended Mains Fuse		A	630	670	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	568.4	582.1	469.7
Maximum Start Amps		A	701.4	698.3	602.7
Recommended Mains Fuse Size		A	630	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	620.1	636.2	504.3
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	630.1	642.2	514.3
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	617.2	632.3	501.6
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	625.0	637.2	509.5
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, EC 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	523.4	568.0	596.5
Maximum Start Amps		A	799.0	835.4	863.9
Recommended Mains Fuse Size		A	560	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 47.9	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 29.8	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	500.7	531.5	552.7
Reactive power reduction/saving	(4)	kVAr	42.8	65.2	76.5
Maximum Start Amps		A	776.3	798.9	820.1
Recommended Mains Fuse Size		A	560	630	630
Electronic Soft-start					
Nominal Run Amps		A	523.4	568.0	596.5
Maximum Start Amps		A	668.6	705.0	733.5
Recommended Mains Fuse		A	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	500.7	531.5	552.7
Maximum Start Amps		A	645.9	668.5	689.7
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	534.3	579.0	607.5
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	544.3	589.0	617.6
Recommended Mains Fuse Size		A	560	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	531.7	576.2	604.6
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	539.6	583.9	612.3
Recommended Mains Fuse Size		A	560	630	670
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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	608.5	620.6	632.8
Maximum Start Amps		A	871.9	884.0	868.2
Recommended Mains Fuse Size		A	630	670	670
Evaporator					
Immersion Heater Rating		W	250	250	250
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	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	566.4	580.1	593.7
Reactive power reduction/saving	(4)	kVAr	74.4	72.3	70.3
Maximum Start Amps		A	829.8	843.5	829.1
Recommended Mains Fuse Size		A	630	670	670
Electronic Soft-start					
Nominal Run Amps		A	608.5	620.6	632.8
Maximum Start Amps		A	741.5	753.6	749.0
Recommended Mains Fuse		A	630	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	566.4	580.1	593.7
Maximum Start Amps		A	699.4	713.1	709.9
Recommended Mains Fuse Size		A	630	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	619.6	635.6	647.7
Recommended Mains Fuse Size		A	670	670	670
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	629.6	641.7	653.8
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	616.7	631.7	643.9
Recommended Mains Fuse Size		A	670	670	670
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	624.4	636.5	648.7
Recommended Mains Fuse Size		A	670	670	670
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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	551.3	579.6	608.0
Maximum Start Amps		A	818.7	847.0	875.4
Recommended Mains Fuse Size		A	630	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 55.2	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 33.1	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	522.0	543.2	564.4
Reactive power reduction/saving	(4)	kVAr	54.1	65.3	76.6
Maximum Start Amps		A	789.4	810.6	831.8
Recommended Mains Fuse Size		A	630	630	630
Electronic Soft-start					
Nominal Run Amps		A	551.3	579.6	608.0
Maximum Start Amps		A	688.3	716.6	745.0
Recommended Mains Fuse		A	630	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	522.0	543.2	564.4
Maximum Start Amps		A	659.0	680.2	701.4
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	562.3	590.6	619.1
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	572.3	600.6	629.1
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	559.6	587.8	616.1
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	567.5	595.5	623.8
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, EC 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	620.1	632.2	644.4
Maximum Start Amps		A	883.5	895.6	879.8
Recommended Mains Fuse Size		A	670	670	670
Evaporator					
Immersion Heater Rating		W	250	250	250
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	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	578.0	591.7	605.4
Reactive power reduction/saving	(4)	kVAr	74.5	72.4	70.3
Maximum Start Amps		A	841.4	855.1	840.8
Recommended Mains Fuse Size		A	670	670	670
Electronic Soft-start					
Nominal Run Amps		A	620.1	632.2	644.4
Maximum Start Amps		A	753.1	765.2	760.6
Recommended Mains Fuse		A	670	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	578.0	591.7	605.4
Maximum Start Amps		A	711.0	724.7	721.6
Recommended Mains Fuse Size		A	670	670	670
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	15.2	15.2	15.2
Unit Nominal Run Amps		A	635.1	647.2	659.3
Recommended Mains Fuse Size		A	670	670	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	641.1	653.2	665.4
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	631.2	643.3	655.5
Recommended Mains Fuse Size		A	670	670	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	636.0	648.1	660.3
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, EC 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			143	144	145
Unit Data			DCC048DX-10EPV0	DCC049DX-10EYY0	DCC049DX-12EPV0
Nominal Run Amps	(1)	A	339.4	341.1	347.1
Maximum Start Amps		A	602.8	616.7	610.5
Recommended Mains Fuse Size		A	400	355	400
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 47.9	59.2 / 55.2
Quantity			2 + 3	3 + 3	2 + 3
Motor Rating		kW	36.2 / 33.1	29.8 / 29.8	36.2 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326	326 / 326	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	316.2	326.1	324.0
Reactive power reduction/saving	(4)	kVAr	41.1	28.5	41.2
Maximum Start Amps		A	579.6	601.7	587.4
Recommended Mains Fuse Size		A	400	355	400
Electronic Soft-start					
Nominal Run Amps		A	339.4	341.1	347.1
Maximum Start Amps		A	472.4	486.3	480.1
Recommended Mains Fuse		A	400	355	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	316.2	326.1	324.0
Maximum Start Amps		A	449.2	471.3	457.0
Recommended Mains Fuse Size		A	400	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	347.9	349.5	355.6
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	350.4	352.1	358.1
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	345.2	347.1	352.9
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	347.5	349.4	355.2
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, EC 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			146	147	148
Unit Data			DCC051DX-12EYY0	DCC053DX-11DYV0	DCC056DX-12DVV0
Nominal Run Amps	(1)	A	348.9	369.2	397.6
Maximum Start Amps		A	624.5	636.6	665.0
Recommended Mains Fuse Size		A	400	400	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 47.9	47.9 / 55.2	55.2 / 55.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.8 / 29.8	29.8 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	333.8	347.3	368.5
Reactive power reduction/saving	(4)	kVAr	28.6	39.8	51.0
Maximum Start Amps		A	609.4	614.7	635.9
Recommended Mains Fuse Size		A	400	400	450
Electronic Soft-start					
Nominal Run Amps		A	348.9	369.2	397.6
Maximum Start Amps		A	494.1	506.2	534.6
Recommended Mains Fuse		A	400	400	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	333.8	347.3	368.5
Maximum Start Amps		A	479.0	484.3	505.5
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	357.3	377.7	406.2
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	359.8	380.2	408.7
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	354.8	375.1	403.4
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	357.2	377.4	405.7
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, EC 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			149	150	151
Unit Data			DCC058DX-12DVW0	DCC061DX-12DWW0	DCC050DX-14EPV0
Nominal Run Amps	(1)	A	409.7	421.8	354.8
Maximum Start Amps		A	673.1	657.2	618.2
Recommended Mains Fuse Size		A	450	450	400
Evaporator					
Immersion Heater Rating		W	170	170	170
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	326 / 298	298 / 298	298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	382.1	395.8	331.7
Reactive power reduction/saving	(4)	kVAr	48.9	46.8	41.2
Maximum Start Amps		A	645.5	631.2	595.1
Recommended Mains Fuse Size		A	450	450	400
Electronic Soft-start					
Nominal Run Amps		A	409.7	421.8	354.8
Maximum Start Amps		A	542.7	538.0	487.8
Recommended Mains Fuse		A	450	450	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	382.1	395.8	331.7
Maximum Start Amps		A	515.1	512.0	464.7
Recommended Mains Fuse Size		A	450	450	400
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	8.9
Unit Nominal Run Amps		A	420.8	432.9	363.3
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	420.7	432.8	365.8
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	417.9	430.1	360.6
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	417.8	430.0	362.9
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, EC 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			152	153	154
Unit Data			DCC052DX-14EYY0	DCC054DX-13DYV0	DCC057DX-14DVV0
Nominal Run Amps	(1)	A	356.7	376.9	405.3
Maximum Start Amps		A	632.3	644.3	672.7
Recommended Mains Fuse Size		A	400	400	450
Evaporator					
Immersion Heater Rating		W	170	170	170
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	47.9 / 47.9	47.9 / 55.2	55.2 / 55.2
Quantity			3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.8 / 29.8	29.8 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	341.6	355.0	376.3
Reactive power reduction/saving	(4)	kVAr	28.6	39.8	51.0
Maximum Start Amps		A	617.2	622.4	643.7
Recommended Mains Fuse Size		A	400	400	450
Electronic Soft-start					
Nominal Run Amps		A	356.7	376.9	405.3
Maximum Start Amps		A	501.9	513.9	542.3
Recommended Mains Fuse		A	400	400	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	341.6	355.0	376.3
Maximum Start Amps		A	486.8	492.0	513.3
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	365.0	385.4	413.9
Recommended Mains Fuse Size		A	400	450	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	367.6	387.9	416.4
Recommended Mains Fuse Size		A	400	450	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	362.6	382.8	411.1
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	365.0	385.1	413.4
Recommended Mains Fuse Size		A	400	450	450
Motor Rating		kW	6.3	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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			155	156	157
Unit Data			DCC060DX-14DVW0	DCC063DX-14DWW0	DCC066TX-13GPPY
Nominal Run Amps	(1)	A	417.4	429.6	451.7
Maximum Start Amps		A	680.8	665.0	715.1
Recommended Mains Fuse Size		A	450	450	500
Evaporator					
Immersion Heater Rating		W	170	170	250
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 / 47.9
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 298	298 / 298	298 / 298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	389.9	403.6	426.9
Reactive power reduction/saving	(4)	kVAr	49.0	46.9	45.5
Maximum Start Amps		A	653.3	639.0	690.3
Recommended Mains Fuse Size		A	450	450	500
Electronic Soft-start					
Nominal Run Amps		A	417.4	429.6	451.7
Maximum Start Amps		A	550.4	545.8	584.7
Recommended Mains Fuse		A	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	389.9	403.6	426.9
Maximum Start Amps		A	522.9	519.8	559.9
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	428.5	440.6	462.7
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	14.8	14.8	21.2
Unit Nominal Run Amps		A	432.1	444.2	472.7
Recommended Mains Fuse Size		A	450	500	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	425.6	437.8	460.0
Recommended Mains Fuse Size		A	450	500	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	428.5	440.7	467.8
Recommended Mains Fuse Size		A	450	500	500
Motor Rating		kW	8.6	8.6	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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			158	159	160
Unit Data			DCC070TX-14GPYY	DCC055DX-15DYV0	DCC059DX-16DVV0
Nominal Run Amps	(1)	A	481.7	384.7	413.0
Maximum Start Amps		A	745.1	652.1	680.4
Recommended Mains Fuse Size		A	500	450	450
Evaporator					
Immersion Heater Rating		W	250	170	170
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 / 47.9 / 47.9	47.9 / 55.2	55.2 / 55.2
Quantity			2 + 3 + 3	3 + 3	3 + 3
Motor Rating		kW	36.2 / 29.8 / 29.8	29.8 / 33.1	33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 326 / 326	326 / 326	326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	458.0	362.8	384.0
Reactive power reduction/saving	(4)	kVAr	44.1	39.8	51.1
Maximum Start Amps		A	721.4	630.2	651.4
Recommended Mains Fuse Size		A	500	450	450
Electronic Soft-start					
Nominal Run Amps		A	481.7	384.7	413.0
Maximum Start Amps		A	614.7	521.7	550.0
Recommended Mains Fuse		A	500	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	458.0	362.8	384.0
Maximum Start Amps		A	591.0	499.8	521.0
Recommended Mains Fuse Size		A	500	450	450
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	8.9	11.2
Unit Nominal Run Amps		A	492.7	393.1	424.1
Recommended Mains Fuse Size		A	560	450	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	502.6	395.7	424.1
Recommended Mains Fuse Size		A	560	450	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	490.0	390.5	421.2
Recommended Mains Fuse Size		A	560	450	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	497.9	392.8	421.1
Recommended Mains Fuse Size		A	560	450	450
Motor Rating		kW	12.4	6.3	6.3

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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	425.1	437.3	463.3
Maximum Start Amps		A	688.5	672.7	726.7
Recommended Mains Fuse Size		A	450	500	500
Evaporator					
Immersion Heater Rating		W	170	170	250
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 / 47.9
Quantity			3 + 3	3 + 3	2 + 2 + 3
Motor Rating		kW	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 298	298 / 298	298 / 298 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	397.7	411.4	438.6
Reactive power reduction/saving	(4)	kVAr	49.0	46.9	45.6
Maximum Start Amps		A	661.1	646.8	702.0
Recommended Mains Fuse Size		A	450	500	500
Electronic Soft-start					
Nominal Run Amps		A	425.1	437.3	463.3
Maximum Start Amps		A	558.1	553.5	596.3
Recommended Mains Fuse		A	450	500	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	397.7	411.4	438.6
Maximum Start Amps		A	530.7	527.6	571.6
Recommended Mains Fuse Size		A	450	500	500
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	11.2
Unit Nominal Run Amps		A	436.2	448.3	474.3
Recommended Mains Fuse Size		A	500	500	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	439.8	451.9	484.3
Recommended Mains Fuse Size		A	500	500	560
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	433.3	445.5	471.6
Recommended Mains Fuse Size		A	500	500	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	436.3	448.5	479.5
Recommended Mains Fuse Size		A	500	500	500
Motor Rating		kW	8.6	8.6	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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			164	165	166
Unit Data			DCC075TX-15GYYY	DCC077TX-16GYYV	DCC072TX-17GPYY
Nominal Run Amps	(1)	A	511.7	539.7	493.3
Maximum Start Amps		A	787.3	807.1	756.7
Recommended Mains Fuse Size		A	560	560	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 47.9	47.9 / 47.9 / 55.2	59.2 / 47.9 / 47.9
Quantity			3 + 3 + 3	3 + 3 + 3	2 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1	36.2 / 29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	298 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	489.1	510.3	469.7
Reactive power reduction/saving	(4)	kVAr	42.8	54.0	44.2
Maximum Start Amps		A	764.7	777.7	733.1
Recommended Mains Fuse Size		A	560	560	560
Electronic Soft-start					
Nominal Run Amps		A	511.7	539.7	493.3
Maximum Start Amps		A	656.9	676.7	626.3
Recommended Mains Fuse		A	560	560	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	489.1	510.3	469.7
Maximum Start Amps		A	634.3	647.3	602.7
Recommended Mains Fuse Size		A	560	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	522.7	550.7	504.3
Recommended Mains Fuse Size		A	560	630	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	532.6	560.7	514.3
Recommended Mains Fuse Size		A	560	630	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	520.1	548.0	501.6
Recommended Mains Fuse Size		A	560	630	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	528.0	555.8	509.5
Recommended Mains Fuse Size		A	560	630	560
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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			167	168	169
Unit Data			DCC077TX-18GYYY	DCC080TX-17GYVV	DCC083TX-18GVVV
Nominal Run Amps	(1)	A	523.4	568.0	596.5
Maximum Start Amps		A	799.0	835.4	863.9
Recommended Mains Fuse Size		A	560	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 47.9	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 29.8	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	500.7	531.5	552.7
Reactive power reduction/saving	(4)	kVAr	42.8	65.2	76.5
Maximum Start Amps		A	776.3	798.9	820.1
Recommended Mains Fuse Size		A	560	630	630
Electronic Soft-start					
Nominal Run Amps		A	523.4	568.0	596.5
Maximum Start Amps		A	668.6	705.0	733.5
Recommended Mains Fuse		A	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	500.7	531.5	552.7
Maximum Start Amps		A	645.9	668.5	689.7
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	534.3	579.0	607.5
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	544.3	589.0	617.6
Recommended Mains Fuse Size		A	560	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	531.7	576.2	604.6
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	539.6	583.9	612.3
Recommended Mains Fuse Size		A	560	630	670
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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			170	171	172
Unit Data			DCC086TX-18GVVW	DCC088TX-18GVWW	DCC091TX-18GWWW
Nominal Run Amps	(1)	A	608.5	620.6	632.8
Maximum Start Amps		A	871.9	884.0	868.2
Recommended Mains Fuse Size		A	630	670	670
Evaporator					
Immersion Heater Rating		W	250	250	250
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	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	566.4	580.1	593.7
Reactive power reduction/saving	(4)	kVAr	74.4	72.3	70.3
Maximum Start Amps		A	829.8	843.5	829.1
Recommended Mains Fuse Size		A	630	670	670
Electronic Soft-start					
Nominal Run Amps		A	608.5	620.6	632.8
Maximum Start Amps		A	741.5	753.6	749.0
Recommended Mains Fuse		A	630	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	566.4	580.1	593.7
Maximum Start Amps		A	699.4	713.1	709.9
Recommended Mains Fuse Size		A	630	670	670
Standard Head Pump (Single or Run/Standby)					
Pump Full Load Amps		A	11.2	11.2	15.2
Unit Nominal Run Amps		A	619.6	631.7	647.7
Recommended Mains Fuse Size		A	670	670	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	629.6	641.7	653.8
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	10.2	13.9
Unit Nominal Run Amps		A	616.7	628.8	643.9
Recommended Mains Fuse Size		A	670	670	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	624.4	636.5	648.7
Recommended Mains Fuse Size		A	670	670	670
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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			173	174	175
Unit Data			DCC070TX-19GPPY	DCC074TX-20GPYY	DCC080TX-19GYYV
Nominal Run Amps	(1)	A	474.9	504.9	535.0
Maximum Start Amps		A	738.3	768.3	810.6
Recommended Mains Fuse Size		A	500	560	560
Evaporator					
Immersion Heater Rating		W	250	250	250
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 / 47.9	59.2 / 47.9 / 47.9	47.9 / 47.9 / 47.9
Quantity			2 + 2 + 3	2 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 29.8 / 29.8
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	298 / 298 / 326	298 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	450.2	481.3	512.4
Reactive power reduction/saving	(4)	kVAr	45.6	44.3	42.9
Maximum Start Amps		A	713.6	744.7	788.0
Recommended Mains Fuse Size		A	500	560	560
Electronic Soft-start					
Nominal Run Amps		A	474.9	504.9	535.0
Maximum Start Amps		A	607.9	637.9	680.2
Recommended Mains Fuse		A	500	560	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	450.2	481.3	512.4
Maximum Start Amps		A	583.2	614.3	657.6
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	485.9	515.9	545.9
Recommended Mains Fuse Size		A	560	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	495.9	525.9	555.9
Recommended Mains Fuse Size		A	560	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	483.2	513.3	543.4
Recommended Mains Fuse Size		A	560	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	491.1	521.2	551.3
Recommended Mains Fuse Size		A	560	560	630
Motor Rating		kW	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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			176	177	178
Unit Data			DCC082TX-20GYVV	DCC079TX-21GYYY	DCC081TX-22GYYV
Nominal Run Amps	(1)	A	551.3	562.9	579.6
Maximum Start Amps		A	818.7	830.3	847.0
Recommended Mains Fuse Size		A	630	630	630
Evaporator					
Immersion Heater Rating		W	250	250	250
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	47.9 / 47.9 / 55.2	47.9 / 47.9 / 55.2	47.9 / 55.2 / 55.2
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 33.1	29.8 / 29.8 / 33.1	29.8 / 33.1 / 33.1
Sump Heater Rating		W	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326
OPTIONAL EXTRAS					
Power Factor Correction (PF 0.98)	(3)				
Nominal Run Amps		A	522.0	533.6	543.2
Reactive power reduction/saving	(4)	kVAr	54.1	54.1	65.3
Maximum Start Amps		A	789.4	801.0	810.6
Recommended Mains Fuse Size		A	630	630	630
Electronic Soft-start					
Nominal Run Amps		A	551.3	562.9	579.6
Maximum Start Amps		A	688.3	699.9	716.6
Recommended Mains Fuse		A	630	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)				
Nominal Run Amps		A	522.0	533.6	543.2
Maximum Start Amps		A	659.0	670.6	680.2
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	562.3	573.9	590.6
Recommended Mains Fuse Size		A	630	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	572.3	583.9	600.6
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	559.6	571.2	587.8
Recommended Mains Fuse Size		A	630	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	567.5	579.1	595.5
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, EC 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	608.0	620.1	632.2	644.4
Maximum Start Amps		A	875.4	883.5	895.6	879.8
Recommended Mains Fuse Size		A	630	670	670	670
Evaporator						
Immersion Heater Rating		W	250	250	250	250
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	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298
OPTIONAL EXTRAS						
Power Factor Correction (PF 0.98)	(3)					
Nominal Run Amps		A	564.4	578.0	591.7	605.4
Reactive power reduction/saving	(4)	kVAr	76.6	74.5	72.4	70.3
Maximum Start Amps		A	831.8	841.4	855.1	840.8
Recommended Mains Fuse Size		A	630	670	670	670
Electronic Soft-start						
Nominal Run Amps		A	608.0	620.1	632.2	644.35
Maximum Start Amps		A	745.0	753.1	765.2	760.55
Recommended Mains Fuse		A	630	670	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)					
Nominal Run Amps		A	564.4	578.0	591.7	605.40
Maximum Start Amps		A	701.4	711.0	724.7	721.60
Recommended Mains Fuse Size		A	630	670	670	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	619.1	631.1	647.2	659.31
Recommended Mains Fuse Size		A	670	670	670	710
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	629.1	641.1	653.2	665.4
Recommended Mains Fuse Size		A	670	670	710	710
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	616.1	628.2	643.3	655.5
Recommended Mains Fuse Size		A	670	670	670	710
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	623.8	636.0	648.1	660.3
Recommended Mains Fuse Size		A	670	670	670	710
Motor Rating		kW	12.4	12.4	12.4	12.4

(1) Based at 7.2°C Evap / 54.4°C Condensing, EC 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 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	93	95	94	89	87	82	80	79	92
		Pressure	64	63	61	57	55	50	48	46	60
99	DCC049DR-08EYY0	Power	89	95	92	88	87	83	82	70	92
		Pressure	66	62	59	56	55	51	49	38	60
100	DCC049DR-10EPV0	Power	93	95	94	89	87	81	80	79	92
		Pressure	64	62	61	57	54	49	47	46	60
101	DCC051DR-10EYY0	Power	89	95	92	88	87	83	82	70	92
		Pressure	65	62	59	56	55	50	49	38	59
102	DCC052DR-09DYV0	Power	93	95	93	89	87	83	81	79	92
		Pressure	66	62	61	56	55	51	48	47	60
103	DCC056DR-10DVV0	Power	95	95	94	89	88	83	80	82	93
		Pressure	66	62	62	56	55	51	48	49	60
104	DCC058DR-10DVW0	Power	93	97	95	90	88	83	81	79	93
		Pressure	65	64	62	58	56	51	48	46	61
105	DCC061DR-10DWW0	Power	91	98	95	92	89	83	82	69	94
		Pressure	64	65	63	59	56	51	49	37	61
106	DCC065TR-10GPPY	Power	91	97	95	91	89	84	82	70	94
		Pressure	65	65	62	59	56	51	50	38	61
107	DCC050DR-12EPV0	Power	93	94	93	89	86	79	79	79	91
		Pressure	62	62	61	56	53	46	47	46	59
108	DCC052DR-12EYY0	Power	88	93	91	88	86	81	81	70	91
		Pressure	64	61	58	55	53	48	49	37	58
109	DCC054DR-11DYV0	Power	93	94	93	88	87	82	81	79	92
		Pressure	65	62	60	56	54	49	48	46	59
110	DCC058DR-12DVV0	Power	95	94	94	88	86	81	80	82	92
		Pressure	65	61	61	55	54	48	47	49	59
111	DCC060DR-12DVW0	Power	93	96	95	90	88	82	81	79	93
		Pressure	64	64	62	58	55	49	48	46	60
112	DCC063DR-12DWW0	Power	91	98	95	92	89	83	82	69	94
		Pressure	64	65	63	59	56	51	49	37	61
113	DCC069TR-11GPYY	Power	91	97	94	91	89	84	83	71	94
		Pressure	66	64	61	58	56	52	50	39	61
114	DCC074TR-12GYYY	Power	91	96	94	90	89	85	83	72	94
		Pressure	67	64	61	58	56	52	51	39	61
115	DCC056DR-13DYV0	Power	93	93	92	88	86	80	80	79	91
		Pressure	64	61	60	55	53	48	48	46	58
116	DCC059DR-14DVV0	Power	95	93	93	88	85	80	79	82	91
		Pressure	64	60	61	55	53	47	47	49	58
117	DCC061DR-14DVW0	Power	93	96	94	90	87	80	80	79	92
		Pressure	63	63	61	57	54	48	48	46	60
118	DCC065DR-14DWW0	Power	91	97	95	91	88	81	81	68	93
		Pressure	61	64	62	58	55	48	48	36	61

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.

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	91	97	95	91	89	84	82	70	94
		Pressure	65	65	62	58	56	51	49	38	61
120	DCC072TR-14GPYY	Power	91	97	94	91	89	84	83	71	94
		Pressure	66	64	61	58	56	51	50	39	61
121	DCC077TR-13GYYV	Power	94	97	94	90	89	85	83	79	94
		Pressure	67	64	62	58	56	52	50	47	61
122	DCC080TR-14GYVV	Power	95	97	95	91	89	85	82	82	94
		Pressure	67	64	62	58	56	52	50	49	62
123	DCC070TR-16GPPY	Power	91	96	94	91	88	81	82	70	93
		Pressure	63	64	61	58	55	48	49	37	60
124	DCC077TR-15GYYY	Power	91	96	94	90	89	85	83	72	94
		Pressure	67	63	61	57	56	52	50	39	61
125	DCC080TR-16GYYV	Power	94	96	94	90	89	84	83	79	94
		Pressure	67	63	61	57	56	51	50	46	61
126	DCC083TR-15GVVV	Power	97	97	96	91	89	85	82	84	95
		Pressure	67	64	63	58	56	52	49	51	62
127	DCC086TR-15GVVW	Power	96	98	96	92	90	85	82	82	95
		Pressure	67	65	63	59	57	52	50	49	62
128	DCC088TR-15GVWW	Power	95	99	97	93	90	85	83	79	95
		Pressure	66	66	64	60	57	52	50	46	62
129	DCC091TR-15GWWW	Power	93	99	97	93	91	85	83	71	96
		Pressure	65	66	64	60	58	52	50	38	63
130	DCC074TR-17GPYY	Power	90	96	94	90	88	82	82	71	93
		Pressure	65	63	60	57	55	49	49	38	60
131	DCC079TR-18GYYY	Power	90	95	93	89	88	83	83	71	93
		Pressure	66	62	60	56	55	50	50	38	60
132	DCC082TR-17GYVV	Power	95	96	95	90	89	83	82	82	94
		Pressure	66	63	62	57	55	50	49	49	61
133	DCC085TR-18GVVV	Power	97	96	95	90	88	83	81	83	94
		Pressure	66	63	62	57	55	50	48	50	61
134	DCC088TR-18GVVW	Power	96	97	96	91	89	84	82	82	94
		Pressure	66	64	63	58	56	51	49	49	61
135	DCC091TR-18GVWW	Power	95	99	97	92	90	84	83	79	95
		Pressure	65	65	64	59	57	51	50	46	62
136	DCC094TR-18GWWW	Power	93	99	97	93	91	85	83	71	96
		Pressure	65	66	64	60	58	52	50	38	63
137	DCC082TR-19GYYV	Power	93	95	94	89	88	82	82	79	93
		Pressure	66	62	61	56	54	49	49	46	60
138	DCC084TR-20GYVV	Power	95	95	94	89	87	82	82	82	93
		Pressure	65	62	61	56	54	49	49	49	60
139	DCC087TR-21GVVV	Power	97	95	95	89	87	81	81	83	93
		Pressure	65	62	62	56	54	48	48	50	60
140	DCC090TR-21GVVW	Power	96	97	96	91	88	82	82	82	94
		Pressure	64	63	62	58	55	49	49	49	61
141	DCC093TR-21GVWW	Power	94	98	96	92	89	82	82	79	94
		Pressure	64	65	63	59	56	49	49	46	61

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.

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	93	99	97	93	90	83	83	70	95
		Pressure	63	66	63	60	57	49	50	37	62
143	DCC048DX-10EPV0	Power	93	93	93	82	81	72	71	79	88
		Pressure	61	60	60	49	49	39	38	46	55
144	DCC049DX-10EYY0	Power	88	92	90	81	81	73	73	68	86
		Pressure	63	59	57	48	48	40	40	36	54
145	DCC049DX-12EPV0	Power	93	93	93	82	81	72	71	79	88
		Pressure	61	60	60	49	49	39	38	46	55
146	DCC051DX-12EYY0	Power	88	92	90	81	81	73	73	68	86
		Pressure	63	59	57	49	49	41	40	36	54
147	DCC053DX-11DYV0	Power	93	91	92	81	81	73	72	79	87
		Pressure	63	59	59	48	48	40	40	46	55
148	DCC056DX-12DVV0	Power	95	91	93	81	81	72	71	82	88
		Pressure	63	59	61	49	48	40	39	49	55
149	DCC058DX-12DVW0	Power	93	94	94	83	82	72	72	79	89
		Pressure	62	61	61	50	50	40	39	46	56
150	DCC061DX-12DWW0	Power	91	96	95	84	83	72	72	66	89
		Pressure	59	63	62	51	51	40	40	34	57
151	DCC050DX-14EPV0	Power	93	93	93	82	82	72	71	79	88
		Pressure	61	60	60	49	49	40	38	46	55
152	DCC052DX-14EYY0	Power	88	92	90	82	81	74	73	68	86
		Pressure	63	59	57	49	49	41	40	36	54
153	DCC054DX-13DYV0	Power	93	92	92	81	81	73	72	79	87
		Pressure	63	59	59	49	48	40	39	46	55
154	DCC057DX-14DVV0	Power	95	91	93	82	81	73	71	82	88
		Pressure	63	59	60	49	48	40	39	49	55
155	DCC060DX-14DVW0	Power	93	94	94	83	82	73	72	79	89
		Pressure	62	61	61	50	50	40	39	46	56
156	DCC063DX-14DWW0	Power	91	96	95	84	83	73	72	66	89
		Pressure	59	63	62	51	51	40	40	33	57
157	DCC066TX-13GPPY	Power	90	95	94	84	83	73	73	68	89
		Pressure	62	62	61	51	50	41	41	35	56
158	DCC070TX-14GPYY	Power	90	94	93	83	83	74	74	69	88
		Pressure	64	62	60	50	50	41	41	36	56
159	DCC055DX-15DYV0	Power	93	92	92	82	81	73	72	79	87
		Pressure	63	59	59	49	48	40	39	46	55
160	DCC059DX-16DVV0	Power	95	91	93	82	81	73	71	82	88
		Pressure	63	59	60	49	48	40	39	49	55
161	DCC061DX-16DVW0	Power	93	94	94	83	83	73	72	79	89
		Pressure	61	61	61	50	50	40	39	46	56

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.

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	96	95	84	84	73	73	66	89
		Pressure	59	63	62	51	51	40	40	33	57
163	DCC068TX-16GPPY	Power	90	95	94	84	83	74	73	68	89
		Pressure	62	62	61	51	50	41	40	35	56
164	DCC075TX-15GYYY	Power	90	93	92	83	83	75	75	70	88
		Pressure	65	60	59	50	50	42	42	37	55
165	DCC077TX-16GYYV	Power	93	93	93	83	83	75	74	79	89
		Pressure	65	60	60	50	50	42	41	46	56
166	DCC072TX-17GPYY	Power	90	94	93	83	83	75	74	69	89
		Pressure	64	61	60	50	50	41	41	36	56
167	DCC077TX-18GYYY	Power	90	93	92	83	83	75	75	70	88
		Pressure	65	60	59	50	50	42	42	37	55
168	DCC080TX-17GYVV	Power	95	93	94	83	83	74	74	82	89
		Pressure	65	60	61	50	50	41	41	49	56
169	DCC083TX-18GVVV	Power	96	93	95	83	83	74	73	83	90
		Pressure	65	60	62	50	49	41	40	50	57
170	DCC086TX-18GVVW	Power	95	95	95	84	84	74	73	82	90
		Pressure	64	62	62	51	51	41	40	49	57
171	DCC088TX-18GVWW	Power	94	97	96	85	84	74	74	79	91
		Pressure	62	63	63	52	51	41	41	46	58
172	DCC091TX-18GWWW	Power	92	98	96	86	85	74	74	68	91
		Pressure	60	65	63	53	52	41	41	35	58
173	DCC070TX-19GPPY	Power	90	95	94	84	84	74	74	68	89
		Pressure	62	62	61	51	50	41	40	35	56
174	DCC074TX-20GPYY	Power	90	95	93	84	83	75	74	69	89
		Pressure	63	61	60	51	50	42	41	36	56
175	DCC079TX-21GYYY	Power	90	94	92	83	83	75	75	70	88
		Pressure	65	60	58	50	50	42	42	37	55
176	DCC080TX-19GYYV	Power	93	93	93	83	83	75	74	79	89
		Pressure	65	60	60	50	50	42	41	46	56
177	DCC081TX-22GYYV	Power	93	93	93	83	83	75	74	79	89
		Pressure	65	60	60	50	50	42	41	46	56
178	DCC082TX-20GYVV	Power	95	93	94	83	83	75	74	82	89
		Pressure	65	60	61	50	50	42	41	49	56
179	DCC085TX-21GVVV	Power	96	93	95	83	83	74	73	83	90
		Pressure	64	60	62	50	50	41	40	50	57
180	DCC088TX-21GVVW	Power	95	95	96	84	84	75	74	82	90
		Pressure	63	62	62	51	50	41	40	48	57
181	DCC091TX-21GVWW	Power	94	97	96	85	85	75	74	79	91
		Pressure	62	63	63	52	51	41	41	46	58
182	DCC094TX-21GWWW	Power	92	98	96	86	85	75	74	68	91
		Pressure	60	64	63	53	52	41	41	35	58

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.

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

	Units	Evap Num
49	DCF098TR-21HVVW	18
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.

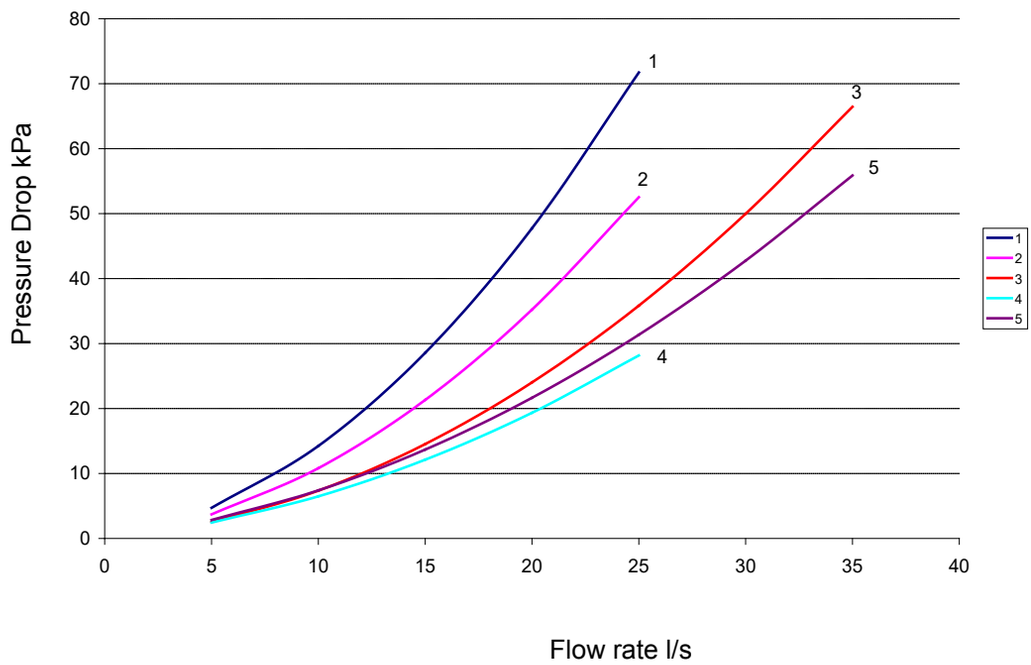
DCC Evaporator Pressure Drop

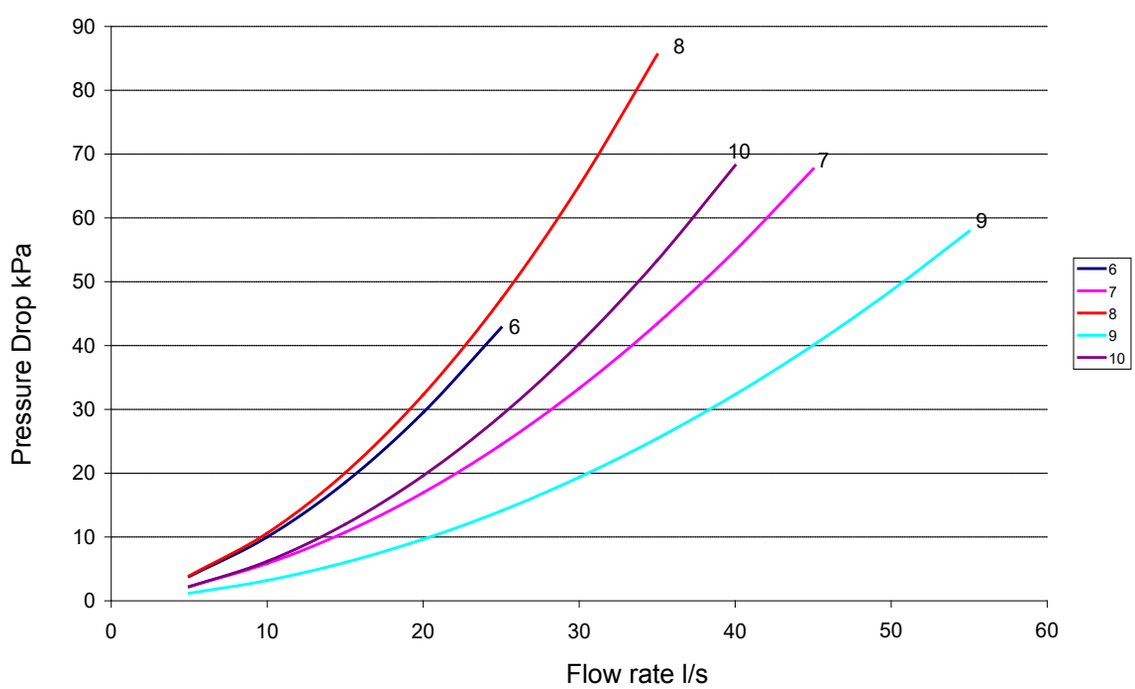
	Units	Evap Num
98	DCC047DR-08EPV0	2
99	DCC049DR-08EYY0	2
100	DCC049DR-10EPV0	2
101	DCC051DR-10EYY0	2
102	DCC052DR-09DYV0	4
103	DCC056DR-10DVV0	6
104	DCC058DR-10DVW0	5
105	DCC061DR-10DWW0	8
106	DCC065TR-10GPPY	12
107	DCC050DR-12EPV0	2
108	DCC052DR-12EYY0	2
109	DCC054DR-11DYV0	4
110	DCC058DR-12DVV0	6
111	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

	Units	Evap Num
142	DCC096TR-21GWWW	14
143	DCC048DX-10EPV0	2
144	DCC049DX-10EYY0	2
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

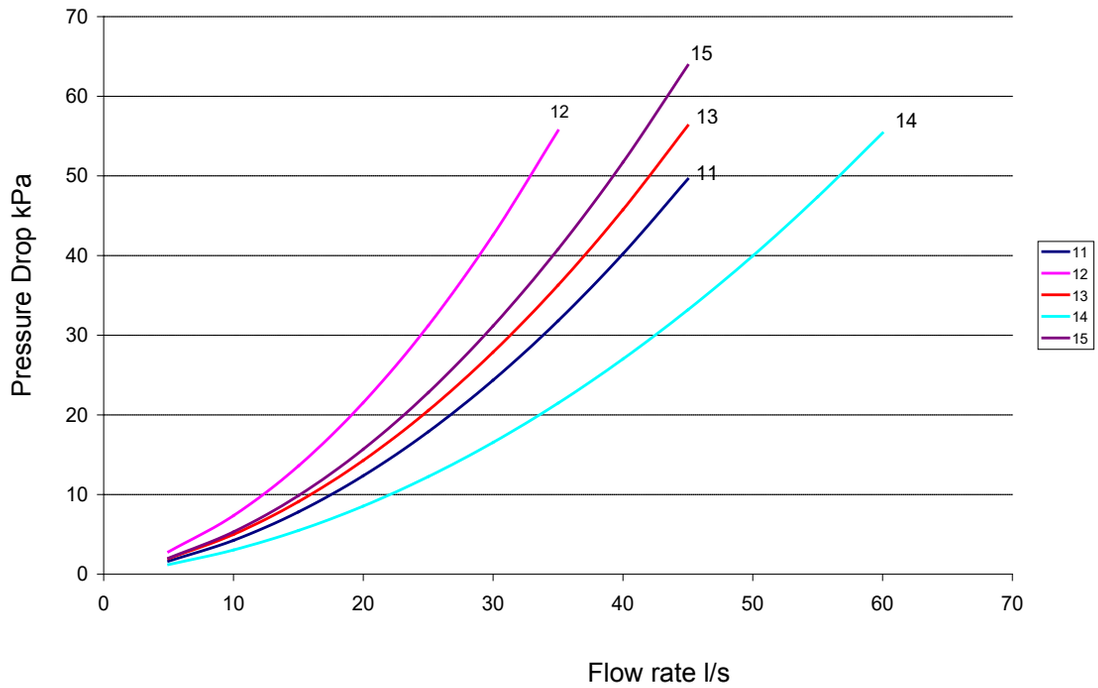
Evaporator Pressure Drop Curves (Water)

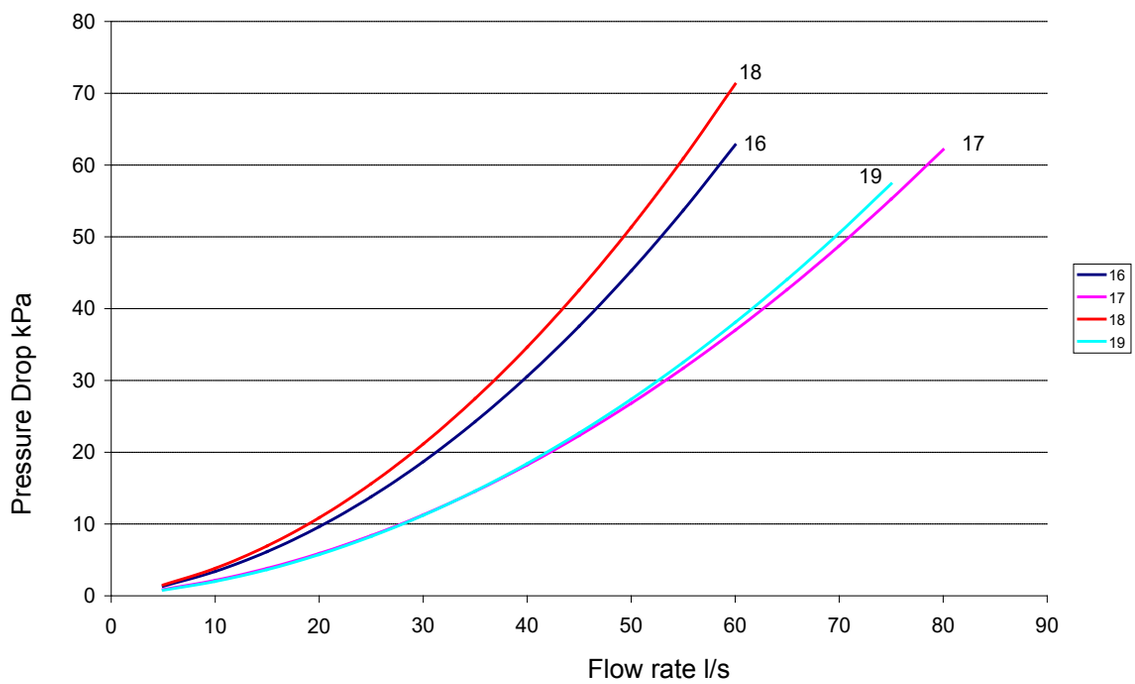




Hydraulic Data

Evaporator Pressure Drop (Water)

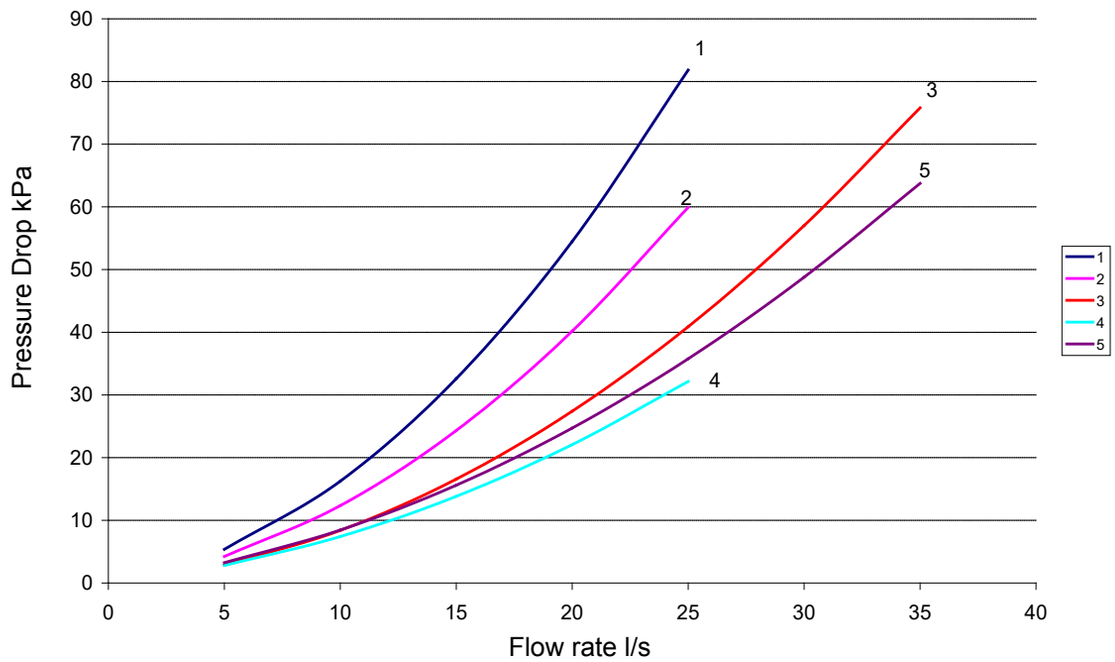


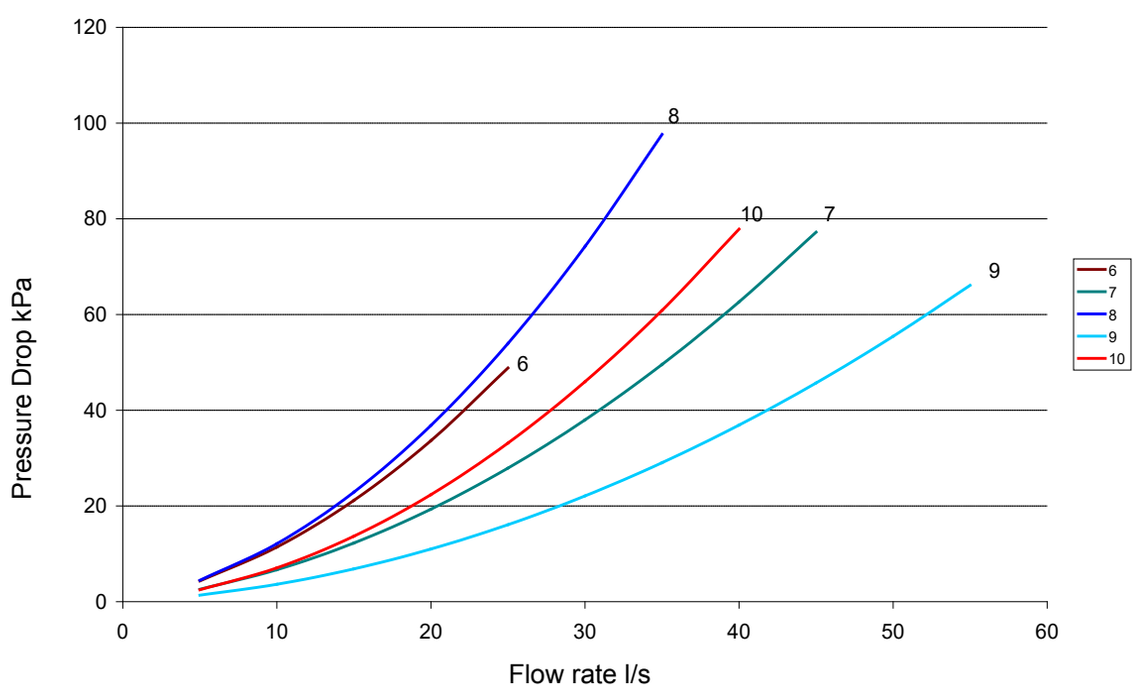


Technical

Hydraulic Data

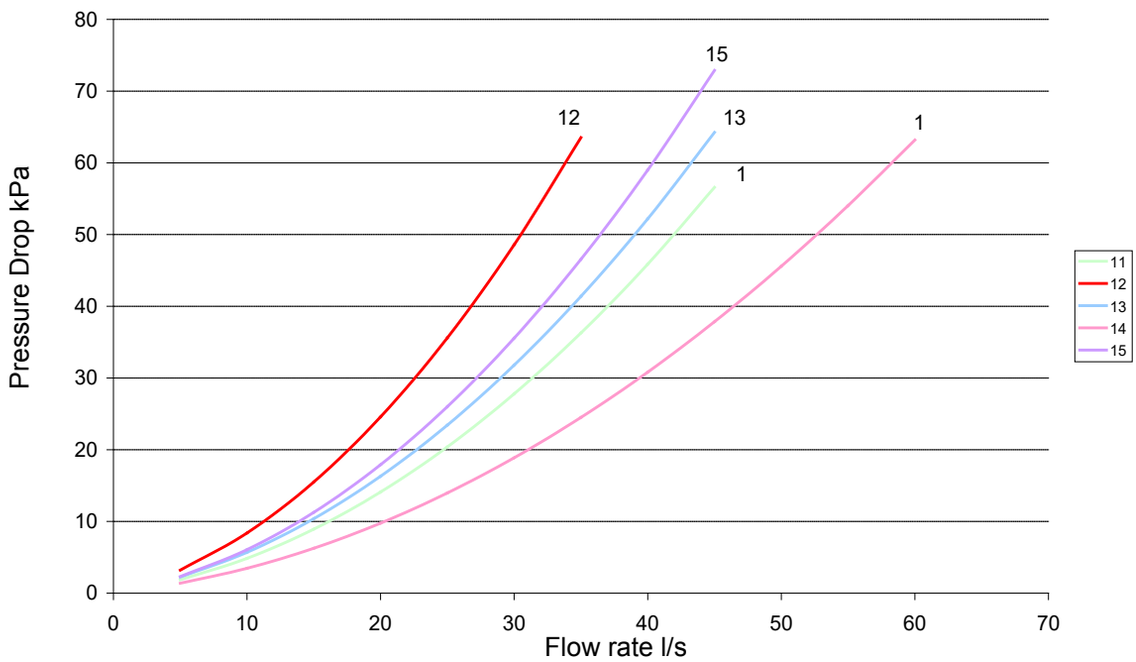
Evaporator Pressure Drop Curves (20% Ethylene Glycol)

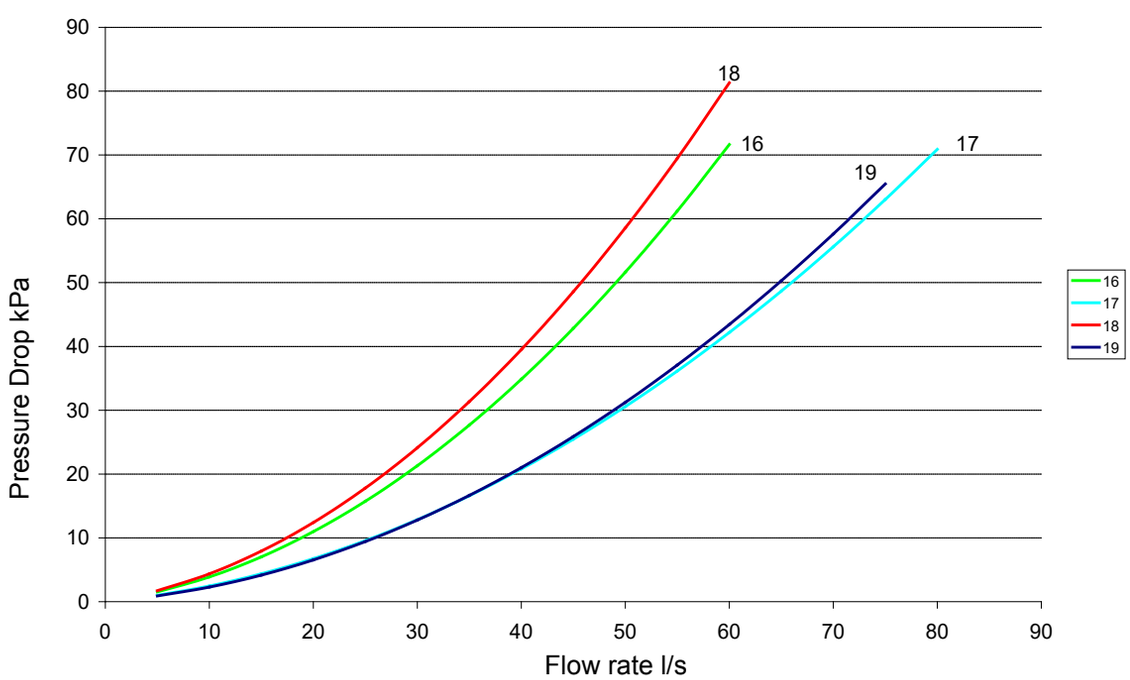




Hydraulic Data

Evaporator Pressure Drop Curves (20% Ethylene Glycol)





Hydraulic Data

DCF Unit Pressure Drop

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

		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)																							
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)																							
		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)																							
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	DCF095TR-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

DeltaChill™ Air Cooled and FreeCool Chillers

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.

	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)																							
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

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)																							
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-13GYYV	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-16GYYV	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

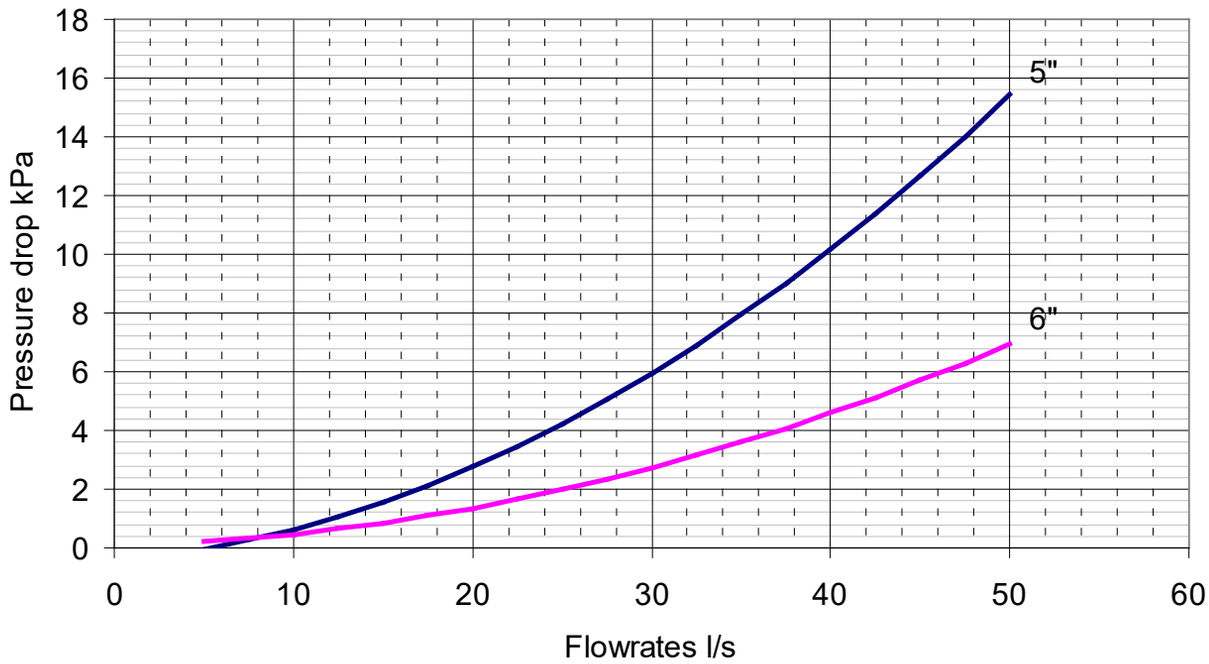
DCC Units with 100% Water

	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)																							
152	DCC077TX-16GYYV	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
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

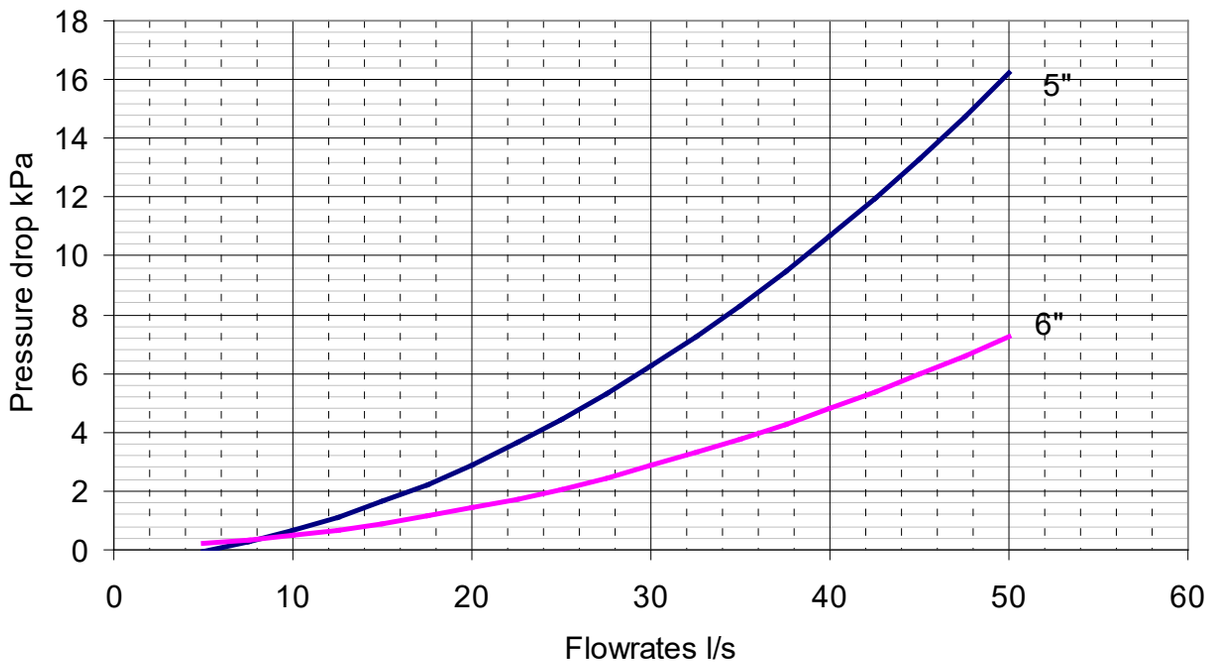
DCC Units with 100% Water

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
49	DCF098TR-21HVVW	8	9

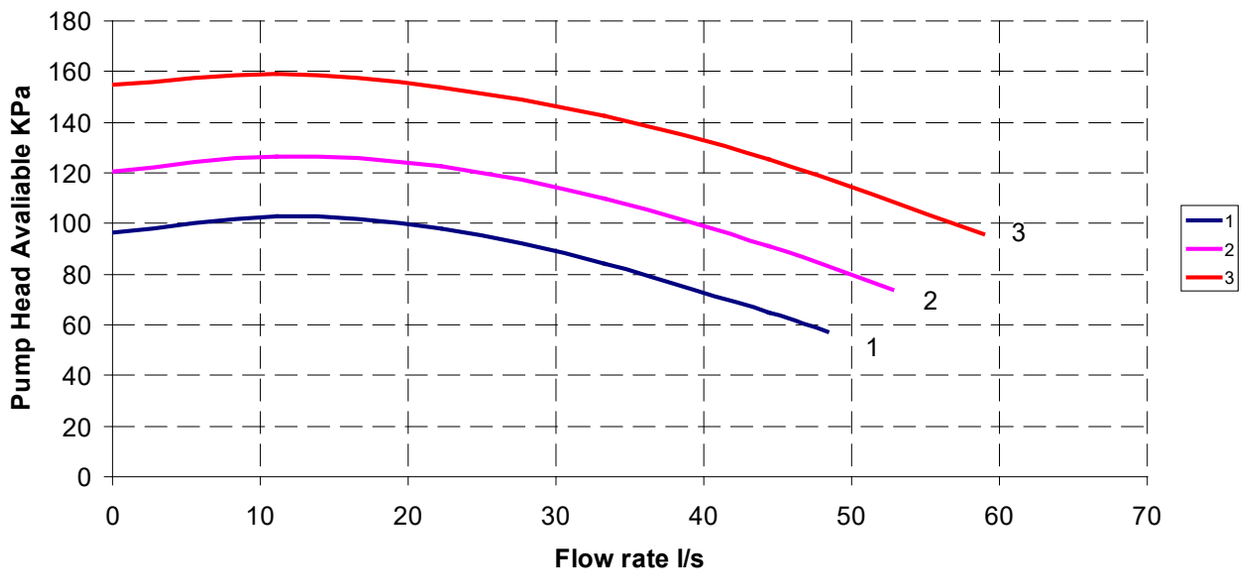
		Standard Head	High Head
50	DCF101TR-21HVWW	9	10
51	DCF103TR-21HWWW	9	10
52	DCF047DX-09DXY0	5	6
53	DCF049DX-09DPY0	5	6
54	DCF051DX-10DPV0	5	6
55	DCF053DX-10DYY0	5	6
56	DCF049DX-11DXY0	5	6
57	DCF051DX-11DPY0	5	6
58	DCF053DX-12DPV0	5	6
59	DCF055DX-11DYV0	7	8
60	DCF055DX-12DYY0	5	6
61	DCF058DX-12DVV0	7	8
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

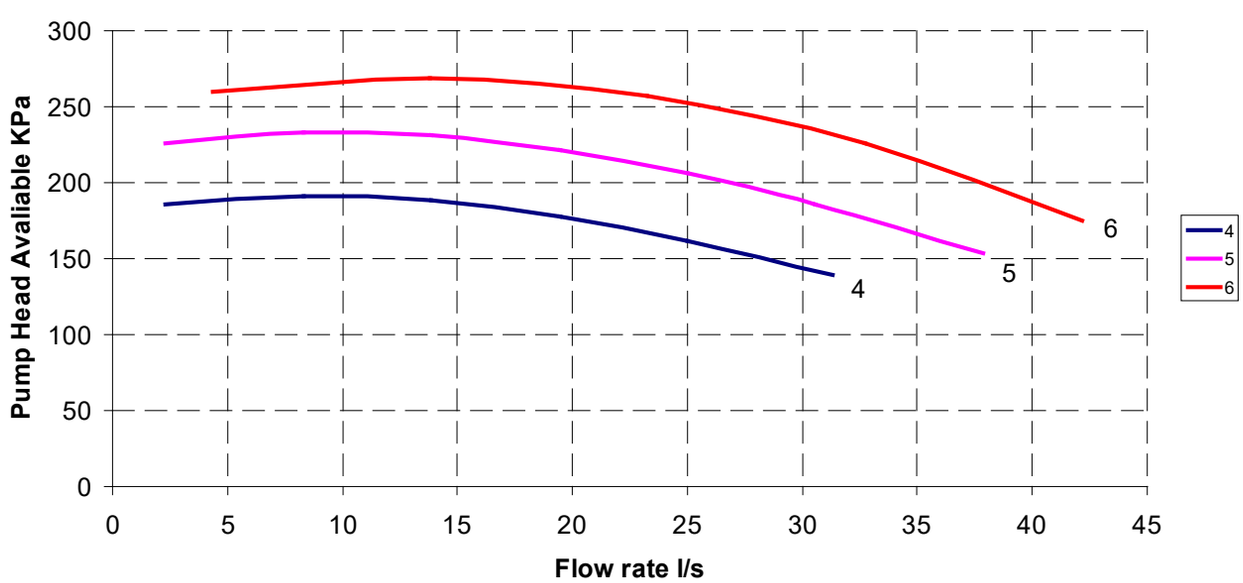
Pump Performance Curves

		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

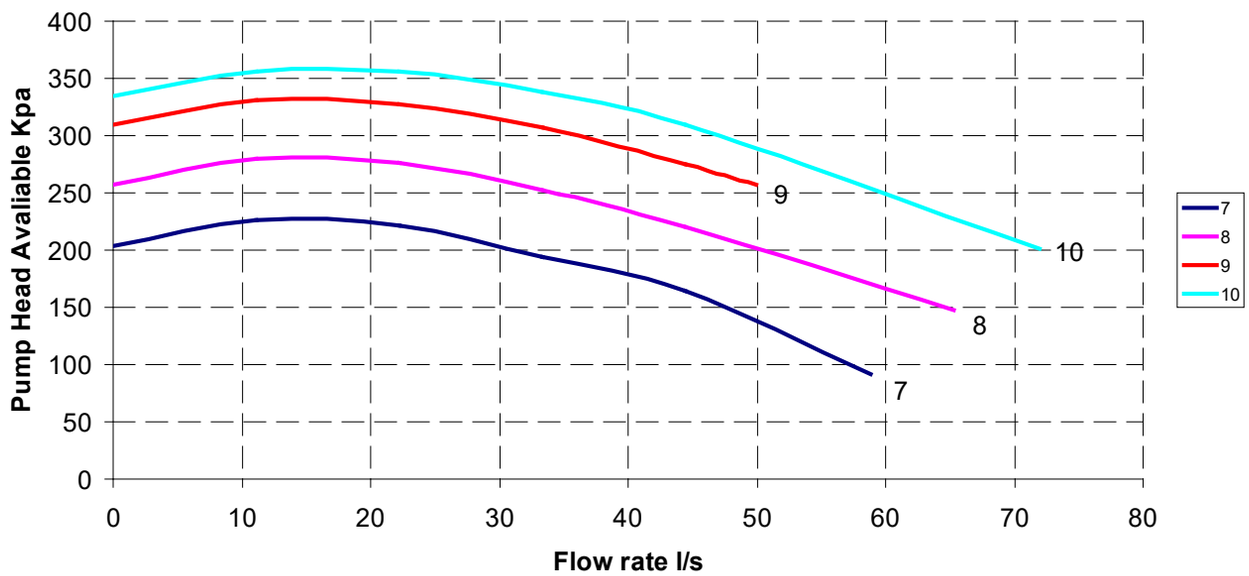
Pump Performance Curves





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

After Sales

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).

*Once warranty is confirmed, maintenance must be continued to validate the warranty period.

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.

Appendix - Ecodesign

The following tables of Ecodesign data is based on the following common information:

SEPR (Seasonal Energy Performance Ratio)

- Type of Condensing - Air Cooled Standard EC Fans.
- Refrigerant Fluid - R410A.
- Operating Temperature - +7°C (Outlet water).
- Operating Control - Variable.
- Outdoor Side Heat Exchanger - Air.
- Indoor Heat Exchanger - Water.
- Type Driven - Vapour Compression.
- Driver of Compressor - Electric Motor.

Part load conditions for SEPR calculation for air cooled high temperature process chillers

Rating Point	Part load ratio (%)	Outdoor side heat exchanger	Indoor side heat exchanger
		Inlet air temperature (°C)	Evaportator inlet/ outlet water temperatures (°C)
			Fixed outlet
A	100	35	12/7
B	93	25	(*)/7
C	87	15	(*)/7
D	80	5	(*)/7

EU 2016/2281 Table 22.

(*) With the water flow rate determined during “A” test for units with a fixed water flow rate or with a variable flow rate.

- Degradation Coefficient - 0.9

SSCEE (Seasonal Space Cooling Energy Efficiency)

- Capacity Control - Variable.
- Standard Rating Condition - Low Temperature Operation.
- Crankcase heater fitted

Air to water comfort chillers

Rating Point	T_1 (°C)	Part load ratio (%)	Outdoor air dry bulb temperature (°C)	Fan coil application inlet/ outlet water temperature (°C)		Cooling floor application inlet/ outlet water temperatures (°C)
				Fixed outlet	Variable outlet (*)(*)	
A	35	100 %	35	12/7	12/7	23/18
B	30	74 %	30	(*)/7	(*)/8.5	(*)/18
C	25	47 %	25	(*)/7	(*)/10	(*)/18
D	20	21 %	20	(*)/7	(*)/11.5	(*)/18

EU 2016/2281 Table 21.

Technical Data DCC

DCC047DR-08EPV0, DCC049DR-08EYY0, DCC052DR-09DYV0

Ecodesign

	Notes:	Units	DCC047DR-08EPV0	DCC049DR-08EYY0	DCC052DR-09DYV0
SEPR	1,3,5		5.00	5.09	5.34
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	691050	709647	724795
Rated Refrigerant Capacity P_A	1,3,5	kW	466.5	487.7	522.1
Rated Power Input D_A		kW	172.1	185.4	189.2
Rated $EER_{DC,A}$			2.71	2.63	2.76
Declared Refrigerant Capacity P_B	1,3,5	kW	521.7 / 427.2	460.0 / 372.7	583.6 / 486.7
Declared Power Input D_B		kW	142.2 / 113.2	126.0 / 97.2	156.9 / 127.7
Declared $EER_{DC,B}$			3.67 / 3.77	3.65 / 3.83	3.72 / 3.81
Declared Refrigerant Capacity P_C	1,3,5	kW	461.1 / 356.2	493.8 / 400.9	523.7 / 428.5
Declared Power Input D_C		kW	95.0 / 73.1	105.6 / 81.2	106.9 / 82.3
Declared $EER_{DC,C}$			4.85 / 4.87	4.67 / 4.93	4.90 / 5.21
Declared Refrigerant Capacity P_D	1,3,5	kW	485.6 / 373.0	423.6 / 317.5	452.2 / 335.1
Declared Power Input D_D		kW	81.4 / 63.9	68.9 / 51.4	69.9 / 52.3
Declared $EER_{DC,D}$			5.97 / 5.83	6.15 / 6.18	6.47 / 6.41

SSCEE	2,3,5		155.4	157.7	165.8
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	523.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	522.1
Declared EER_d 35°C			n/a	n/a	2.76
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	583.6 / 486.7
Declared EER_d 30°C			n/a	n/a	3.72 / 3.81
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	523.7 / 428.5
Declared EER_d 25°C			n/a	n/a	4.90 / 5.21
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	452.2 / 335.1
Declared EER_d 20°C			n/a	n/a	6.47 / 6.41
Sound Power Level LWA		dB(A)	n/a	n/a	92
Air flow rate		m³/h	n/a	n/a	208794
Off mode P_{OFF}		kW	n/a	n/a	0.157
Thermostat-off mode P_{TO}		kW	n/a	n/a	1.827
Standby Mode P_{SB}		kW	n/a	n/a	0.276
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC056DR-10DVV0, DCC058DR-10DVW0, DCC061DR-10DWW0

Ecodesign

	Notes:	Units	DCC056DR-10DVV0	DCC058DR-10DVW0	DCC061DR-10DWW0
SEPR	1,3,5		5.49	5.40	5.28
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	744091	790592	854525
Rated Refrigerant Capacity P_A	1,3,5	kW	551.7	576	608.7
Rated Power Input D_A		kW	194.3	207.9	223.8
Rated $EER_{DC,A}$			2.84	2.77	2.72
Declared Refrigerant Capacity P_B	1,3,5	kW	515.9 / 417.8	643.8 / 535.8	575.5 / 466.2
Declared Power Input D_B		kW	130.4 / 101.1	172.1 / 137.7	152.1 / 117.6
Declared $EER_{DC,B}$			3.96 / 4.13	3.74 / 3.89	3.78 / 3.96
Declared Refrigerant Capacity P_C	1,3,5	kW	556.6 / 451.2	577.3 / 472.5	620.2 / 503.3
Declared Power Input D_C		kW	109.2 / 84.4	115.1 / 90.4	127.7 / 98.4
Declared $EER_{DC,C}$			5.10 / 5.35	5.01 / 5.23	4.86 / 5.11
Declared Refrigerant Capacity P_D	1,3,5	kW	475.9 / 356.3	499.1 / 367.5	533.9 / 400.0
Declared Power Input D_D		kW	71.9 / 54.1	76.8 / 55.9	83.8 / 62.7
Declared $EER_{DC,D}$			6.62 / 6.59	6.50 / 6.57	6.37 / 6.38

SSCEE	2,3,5	%	167.3	166.8	159.7
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		553.9	578	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	551.7	576	n/a
Declared EER_d 35°C			2.84	2.77	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	515.9 / 417.8	643.8 / 535.8	n/a
Declared EER_d 30°C			3.96 / 4.13	3.74 / 3.89	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	556.6 / 451.2	577.3 / 472.5	n/a
Declared EER_d 25°C			5.10 / 5.35	5.01 / 5.23	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	475.9 / 356.3	499.1 / 367.5	n/a
Declared EER_d 20°C			6.62 / 6.59	6.50 / 6.57	n/a
Sound Power Level LWA		dB(A)	93	93	n/a
Air flow rate		m³/h	231994	231994	n/a
Off mode P_{OFF}		kW	0.157	0.157	n/a
Thermostat-off mode P_{TO}		kW	2.728	2.483	n/a
Standby Mode P_{SB}		kW	0.281	0.281	n/a
Crankcase heater mode P_{CK}		kW	0.000	0.000	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC065TR-10GPPY, DCC069TR-11GPYY, DCC074TR-12GYYY

Ecodesign

	Notes:	Units	DCC065TR-10GPPY	DCC069TR-11GPYY	DCC074TR-12GYYY
SEPR	1,3,5		5.02	5.03	5.20
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	953711	1011583	1059392
Rated Refrigerant Capacity P_A	1,3,5	kW	645.6	686.6	743.1
Rated Power Input D_A		kW	245.5	261.1	279.4
Rated $EER_{DC,A}$			2.63	2.63	2.66
Declared Refrigerant Capacity P_B	1,3,5	kW	642.3 / 551.3	686.0 / 599.0	748.8 / 660.0
Declared Power Input D_B		kW	175.4 / 149.5	188.6 / 159.8	204.4 / 175.4
Declared $EER_{DC,B}$			3.66 / 3.69	3.64 / 3.75	3.66 / 3.76
Declared Refrigerant Capacity P_C	1,3,5	kW	597.6 / 479.7	646.6 / 549.3	711.4 / 616.7
Declared Power Input D_C		kW	126.3 / 96.7	134.1 / 112.4	147.1 / 122.5
Declared $EER_{DC,C}$			4.73 / 4.96	4.82 / 4.89	4.83 / 5.03
Declared Refrigerant Capacity P_D	1,3,5	kW	630.5 / 505.1	578.4 / 472.4	654.5 / 545.5
Declared Power Input D_D		kW	109.3 / 83.7	96.8 / 79.3	104.2 / 86.4
Declared $EER_{DC,D}$			5.77 / 6.04	5.98 / 5.96	6.28 / 6.31

SSCEE	2,3,5	%	153.7	156.8	16%.4
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC077TR-13GYYV, DCC080TR-14GYVV, DCC083TR-15GVVV

Ecodesign

	Notes:	Units	DCC077TR-13GYYV	DCC080TR-14GYVV	DCC083TR-15GVVV
SEPR	1,3,5		5.27	5.34	5.43
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	1079383	1097288	1111590
Rated Refrigerant Capacity P_A	1,3,5	kW	767	790.7	814.3
Rated Power Input D_A		kW	282.0	286.5	289.8
Rated $EER_{DC,A}$			2.72	2.76	2.81
Declared Refrigerant Capacity P_B	1,3,5	kW	763.7 / 675.0	786.2 / 689.6	808.6 / 712.0
Declared Power Input D_B		kW	205.6 / 176.6	207.3 / 178.1	209.0 / 179.9
Declared $EER_{DC,B}$			3.71 / 3.82	3.79 / 3.87	3.87 / 3.96
Declared Refrigerant Capacity P_C	1,3,5	kW	727.4 / 632.7	743.1 / 648.4	767.7 / 664.0
Declared Power Input D_C		kW	147.9 / 123.3	149.0 / 124.4	150.1 / 125.5
Declared $EER_{DC,C}$			4.92 / 5.13	4.99 / 5.21	5.11 / 5.29
Declared Refrigerant Capacity P_D	1,3,5	kW	669.4 / 552.4	684.0 / 567.1	698.7 / 581.7
Declared Power Input D_D		kW	104.9 / 87.2	105.9 / 88.2	106.9 / 89.2
Declared $EER_{DC,D}$			6.38 / 6.33	6.46 / 6.43	6.53 / 6.52

SSCEE	2,3,5	%	162.4	163.6	165.9
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		769.6	793.5	817.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	767	790.7	814.3
Declared EER_d 35°C			2.72	2.76	2.81
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	763.7 / 675.0	786.2 / 689.6	808.6 / 712.0
Declared EER_d 30°C			3.71 / 3.82	3.79 / 3.87	3.87 / 3.96
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	727.4 / 632.7	743.1 / 648.4	767.7 / 664.0
Declared EER_d 25°C			4.92 / 5.13	4.99 / 5.21	5.11 / 5.29
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	669.4 / 552.4	684.0 / 567.1	698.7 / 581.7
Declared EER_d 20°C			6.38 / 6.33	6.46 / 6.43	6.53 / 6.52
Sound Power Level LWA		dB(A)	94	94	95
Air flow rate		m³/h	301592	324791	347991
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.144	3.383	3.669
Standby Mode P_{SB}		kW	0.343	0.348	0.353
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC086TR-15GVVW, DCC088TR-15GVWW, DCC091TR-15GWWW

Ecodesign

	Notes:	Units	DCC086TR-15GVVW	DCC088TR-15GVWW	DCC091TR-15GWWW
SEPR	1,3,5		5.47	5.39	5.31
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	1150226	1204063	1260607
Rated Refrigerant Capacity P_A	1,3,5	kW	849.2	876.4	903.5
Rated Power Input D_A		kW	304.4	318.7	333.4
Rated $EER_{DC,A}$			2.79	2.75	2.71
Declared Refrigerant Capacity P_B	1,3,5	kW	841.3 / 743.9	874.5 / 766.6	907.6 / 799.7
Declared Power Input D_B		kW	216.7 / 187.4	229.7 / 195.3	242.7 / 208.3
Declared $EER_{DC,B}$			3.88 / 3.97	3.81 / 3.92	3.74 / 3.84
Declared Refrigerant Capacity P_C	1,3,5	kW	803.3 / 698.6	827.3 / 722.6	861.6 / 746.6
Declared Power Input D_C		kW	156.6 / 131.8	163.2 / 138.5	174.2 / 145.2
Declared $EER_{DC,C}$			5.13 / 5.30	5.07 / 5.22	4.95 / 5.14
Declared Refrigerant Capacity P_D	1,3,5	kW	739.0 / 606.8	765.5 / 633.2	791.9 / 659.7
Declared Power Input D_D		kW	112.1 / 91.1	117.6 / 96.6	123.1 / 102.1
Declared $EER_{DC,D}$			6.60 / 6.66	6.51 / 6.55	6.44 / 6.46

SSCEE	2,3,5	%	169.5	167.3	164.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		851.5	878.9	906.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	849.2	876.4	903.5
Declared EER_d 35°C			2.79	2.75	2.71
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	841.3 / 743.9	874.5 / 766.6	907.6 / 799.7
Declared EER_d 30°C			3.88 / 3.97	3.81 / 3.92	3.74 / 3.84
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	803.3 / 698.6	827.3 / 722.6	861.6 / 746.6
Declared EER_d 25°C			5.13 / 5.30	5.07 / 5.22	4.95 / 5.14
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	739.0 / 606.8	765.5 / 633.2	791.9 / 659.7
Declared EER_d 20°C			6.60 / 6.66	6.51 / 6.55	6.44 / 6.46
Sound Power Level LWA		dB(A)	95	95	96
Air flow rate		m³/h	347991	347991	347991
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	2.970	3.206	3.453
Standby Mode P_{SB}		kW	0.353	0.353	0.353
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC049DR-10EPV0, DCC051DR-10EYY0, DCC054DR-11DYV0

Ecodesign

	Notes:	Units	DCC049DR-10EPV0	DCC051DR-10EYY0	DCC054DR-11DYV0
SEPR	1,3,5		5.36	5.32	5.56
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	664864	701245	713403
Rated Refrigerant Capacity P_A	1,3,5	kW	480.7	503.4	535
Rated Power Input D_A		kW	165.8	179.1	183.2
Rated $EER_{DC,A}$			2.9	2.81	2.92
Declared Refrigerant Capacity P_B	1,3,5	kW	532.7 / 436.2	556.1 / 467.1	593.0 / 494.1
Declared Power Input D_B		kW	135.9 / 108.3	147.8 / 120.8	150.5 / 122.7
Declared $EER_{DC,B}$			3.92 / 4.03	3.76 / 3.87	3.94 / 4.03
Declared Refrigerant Capacity P_C	1,3,5	kW	469.8 / 363.2	502.1 / 406.4	532.0 / 434.0
Declared Power Input D_C		kW	90.4 / 69.4	101.0 / 78.1	102.5 / 79.5
Declared $EER_{DC,C}$			5.19 / 5.23	4.97 / 5.20	5.19 / 5.46
Declared Refrigerant Capacity P_D	1,3,5	kW	492.7 / 380.1	424.7 / 318.0	453.3 / 336.2
Declared Power Input D_D		kW	77.9 / 60.8	66.7 / 50.4	68.3 / 51.1
Declared $EER_{DC,D}$			6.32 / 6.25	6.36 / 6.31	6.63 / 6.58

SSCEE	2,3,5	%	164.3	163.3	172.0
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		482.6	505.5	536.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	480.7	503.4	535
Declared EER_d 35°C			2.9	2.81	2.92
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	532.7 / 436.2	556.1 / 467.1	593.0 / 494.1
Declared EER_d 30°C			3.92 / 4.03	3.76 / 3.87	3.94 / 4.03
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	469.8 / 363.2	502.1 / 406.4	532.0 / 434.0
Declared EER_d 25°C			5.19 / 5.23	4.97 / 5.20	5.19 / 5.46
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	492.7 / 380.1	424.7 / 318.0	453.3 / 336.2
Declared EER_d 20°C			6.32 / 6.25	6.36 / 6.31	6.63 / 6.58
Sound Power Level LWA		dB(A)	92	92	92
Air flow rate		m³/h	231994	231994	255193
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.256	2.522	1.932
Standby Mode P_{SB}		kW	0.269	0.281	0.286
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC058DR-12DVV0, DCC060DR-12DVW0, DCC063DR-12DWW0

Ecodesign

	Notes:	Units	DCC058DR-12DVV0	DCC060DR-12DVW0	DCC063DR-12DWW0
SEPR	1,3,5		5.66	5.57	5.47
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	734089	782645	848411
Rated Refrigerant Capacity P_A	1,3,5	kW	560.9	588.8	626.1
Rated Power Input D_A		kW	187.6	201.6	218.2
Rated $EER_{DC,A}$			2.99	2.92	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	623.0 / 522.8	652.8 / 543.0	694.2 / 583.0
Declared Power Input D_B		kW	154.1 / 126.2	165.7 / 133.2	179.7 / 147.0
Declared $EER_{DC,B}$			4.04 / 4.14	3.94 / 4.08	3.86 / 3.97
Declared Refrigerant Capacity P_C	1,3,5	kW	564.0 / 456.3	585.0 / 477.9	628.9 / 509.3
Declared Power Input D_C		kW	105.4 / 81.9	111.1 / 87.6	123.1 / 95.5
Declared $EER_{DC,C}$			5.35 / 5.57	5.27 / 5.45	5.11 / 5.33
Declared Refrigerant Capacity P_D	1,3,5	kW	475.7 / 356.2	499.1 / 367.3	534.9 / 400.4
Declared Power Input D_D		kW	71.1 / 53.7	75.3 / 55.6	81.6 / 61.7
Declared $EER_{DC,D}$			6.69 / 6.63	6.63 / 6.61	6.56 / 6.49

SSCEE	2,3,5	%	172.3	171.8	164.3
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		563.2	590.9	629.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	560.9	588.8	626.1
Declared EER_d 35°C			2.99	2.92	2.87
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	623.0 / 522.8	652.8 / 543.0	694.2 / 583.0
Declared EER_d 30°C			4.04 / 4.14	3.94 / 4.08	3.86 / 3.97
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	564.0 / 456.3	585.0 / 477.9	628.9 / 509.3
Declared EER_d 25°C			5.35 / 5.57	5.27 / 5.45	5.11 / 5.33
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	475.7 / 356.2	499.1 / 367.3	534.9 / 400.4
Declared EER_d 20°C			6.69 / 6.63	6.63 / 6.61	6.56 / 6.49
Sound Power Level LWA		dB(A)	92	93	94
Air flow rate		m³/h	278393	278393	278393
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.807	2.581	3.930
Standby Mode P_{SB}		kW	0.291	0.291	0.291
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC031DR-08BLM0, DCC032DR-06BMM0, DCC033DR-08BMM0

Ecodesign

	Notes:	Units	DCC068TR-13GPPY	DCC072TR-14GPYY	DCC077TR-15GYYY
SEPR	1,3,5		5.36	5.35	5.46
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	932791	986504	1043569
Rated Refrigerant Capacity P_A	1,3,5	kW	674.6	712.7	769
Rated Power Input D_A		kW	235.1	251.0	269.8
Rated $EER_{DC,A}$			2.87	2.84	2.85
Declared Refrigerant Capacity P_B	1,3,5	kW	658.9 / 566.1	700.1 / 611.2	762.0 / 671.0
Declared Power Input D_B		kW	166.8 / 142.2	179.8 / 152.8	195.3 / 168.1
Declared $EER_{DC,B}$			3.95 / 3.98	3.89 / 4.00	3.90 / 3.99
Declared Refrigerant Capacity P_C	1,3,5	kW	611.7 / 489.4	658.7 / 559.6	723.9 / 626.3
Declared Power Input D_C		kW	119.2 / 92.1	127.6 / 107.1	140.6 / 117.6
Declared $EER_{DC,C}$			5.13 / 5.32	5.16 / 5.23	5.15 / 5.33
Declared Refrigerant Capacity P_D	1,3,5	kW	644.9 / 512.1	586.2 / 479.6	658.1 / 548.0
Declared Power Input D_D		kW	103.2 / 80.4	92.6 / 76.2	100.3 / 83.7
Declared $EER_{DC,D}$			6.25 / 6.37	6.33 / 6.30	6.56 / 6.54

SSCEE	2,3,5	%	162.6	164.9	167.7
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		677.5	715	771.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	674.6	712.7	769
Declared EER_d 35°C			2.87	2.84	2.85
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	658.9 / 566.1	700.1 / 611.2	762.0 / 671.0
Declared EER_d 30°C			3.95 / 3.98	3.89 / 4.00	3.90 / 3.99
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	611.7 / 489.4	658.7 / 559.6	723.9 / 626.3
Declared EER_d 25°C			5.13 / 5.32	5.16 / 5.23	5.15 / 5.33
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	644.9 / 512.1	586.2 / 479.6	658.1 / 548.0
Declared EER_d 20°C			6.25 / 6.37	6.33 / 6.30	6.56 / 6.54
Sound Power Level LWA		dB(A)	94	94	94
Air flow rate		m³/h	301592	324791	347991
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.615	3.047	3.195
Standby Mode P_{SB}		kW	0.320	0.336	0.353
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC080TR-16GYYV, DCC082TR-17GYVV, DCC085TR-18GVVV

Ecodesign

	Notes:	Units	DCC080TR-16GYYV	DCC082TR-17GYVV	DCC085TR-18GVVV
SEPR	1,3,5		5.50	5.54	5.59
SEPR Tier			Tier 1 (2018)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1062924	1080748	1095752
Rated Refrigerant Capacity P_A	1,3,5	kW	788.4	807.8	827.1
Rated Power Input D_A		kW	272.8	276.6	280.4
Rated $EER_{DC,A}$			2.89	2.92	2.95
Declared Refrigerant Capacity P_B	1,3,5	kW	776.1 / 685.2	797.8 / 699.3	819.5 / 721.0
Declared Power Input D_B		kW	197.2 / 170.0	199.6 / 171.8	202.0 / 174.2
Declared $EER_{DC,B}$			3.94 / 4.03	4.00 / 4.07	4.06 / 4.14
Declared Refrigerant Capacity P_C	1,3,5	kW	738.9 / 641.3	754.0 / 656.4	777.2 / 671.4
Declared Power Input D_C		kW	142.0 / 119.0	143.4 / 120.4	145.1 / 121.8
Declared $EER_{DC,C}$			5.20 / 5.39	5.26 / 5.45	5.36 / 5.51
Declared Refrigerant Capacity P_D	1,3,5	kW	671.6 / 554.6	685.0 / 568.1	698.5 / 581.5
Declared Power Input D_D		kW	102.1 / 84.8	103.9 / 86.7	105.7 / 88.5
Declared $EER_{DC,D}$			6.58 / 6.54	6.59 / 6.56	6.61 / 6.57

SSCEE	2,3,5	%	168.3	169.2	171.0
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		791.2	810.7	830.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	788.4	807.8	827.1
Declared EER_d 35°C			2.89	2.92	2.95
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	776.1 / 685.2	797.8 / 699.3	819.5 / 721.0
Declared EER_d 30°C			3.94 / 4.03	4.00 / 4.07	4.06 / 4.14
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	738.9 / 641.3	754.0 / 656.4	777.2 / 671.4
Declared EER_d 25°C			5.20 / 5.39	5.26 / 5.45	5.36 / 5.51
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	671.6 / 554.6	685.0 / 568.1	698.5 / 581.5
Declared EER_d 20°C			6.58 / 6.54	6.59 / 6.56	6.61 / 6.57
Sound Power Level LWA		dB(A)	94	94	94
Air flow rate		m³/h	371190	394390	417589
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.393	3.620	3.835
Standby Mode P_{SB}		kW	0.358	0.363	0.368
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC088TR-18GVVW, DCC091TR-18GVWW, DCC094TR-18GWWW

Ecodesign

	Notes:	Units	DCC088TR-18GVVW	DCC091TR-18GVWW	DCC094TR-18GWWW
SEPR	1,3,5		5.65	5.58	5.51
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1136954	1191901	1249763
Rated Refrigerant Capacity P_A	1,3,5	kW	866.8	897.8	928.9
Rated Power Input D_A		kW	294.8	309.6	324.8
Rated $EER_{DC,A}$			2.94	2.9	2.86
Declared Refrigerant Capacity P_B	1,3,5	kW	853.1 / 753.6	886.5 / 776.7	919.8 / 810.0
Declared Power Input D_B		kW	209.3 / 181.4	221.6 / 189.0	233.9 / 201.4
Declared $EER_{DC,B}$			4.08 / 4.15	4.00 / 4.11	3.93 / 4.02
Declared Refrigerant Capacity P_C	1,3,5	kW	814.0 / 707.0	838.3 / 731.3	873.7 / 755.7
Declared Power Input D_C		kW	151.2 / 127.8	157.6 / 134.1	168.1 / 140.5
Declared $EER_{DC,C}$			5.38 / 5.53	5.32 / 5.45	5.20 / 5.38
Declared Refrigerant Capacity P_D	1,3,5	kW	739.2 / 606.6	766.0 / 633.4	792.8 / 660.2
Declared Power Input D_D		kW	110.1 / 90.3	114.9 / 95.1	119.8 / 100.0
Declared $EER_{DC,D}$			6.72 / 6.72	6.66 / 6.66	6.62 / 6.60

SSCEE	2,3,5	%	174.9	172.6	169.6
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		869.2	900.5	931.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	866.8	897.8	928.9
Declared EER_d 35°C			2.94	2.9	2.86
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	853.1 / 753.6	886.5 / 776.7	919.8 / 810.0
Declared EER_d 30°C			4.08 / 4.15	4.00 / 4.11	3.93 / 4.02
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	814.0 / 707.0	838.3 / 731.3	873.7 / 755.7
Declared EER_d 25°C			5.38 / 5.53	5.32 / 5.45	5.20 / 5.38
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	739.2 / 606.6	766.0 / 633.4	792.8 / 660.2
Declared EER_d 20°C			6.72 / 6.72	6.66 / 6.66	6.62 / 6.60
Sound Power Level LWA		dB(A)	94	95	96
Air flow rate		m³/h	417589	417589	417589
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.149	3.430	3.726
Standby Mode P_{SB}		kW	0.368	0.368	0.368
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC050DR-12EPV0, DCC052DR-12EYY0, DCC056DR-13DYV0

Ecodesign

	Notes:	Units	DCC050DR-12EPV0	DCC052DR-12EYY0	DCC056DR-13DYV0
SEPR	1,3,5		5.62	5.47	5.70
SEPR Tier			Tier 2 (2021)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	643239	690785	703938
Rated Refrigerant Capacity P_A	1,3,5	kW	487.5	509.6	541.5
Rated Power Input D_A		kW	160.4	173.3	177.5
Rated $EER_{DC,A}$			3.04	2.94	3.05
Declared Refrigerant Capacity P_B	1,3,5	kW	539.9 / 442.0	563.9 / 472.9	600.2 / 499.7
Declared Power Input D_B		kW	131.4 / 104.9	143.0 / 117.2	145.9 / 119.2
Declared $EER_{DC,B}$			4.11 / 4.21	3.94 / 4.04	4.11 / 4.19
Declared Refrigerant Capacity P_C	1,3,5	kW	475.9 / 368.3	508.0 / 410.5	538.1 / 438.1
Declared Power Input D_C		kW	87.3 / 67.0	97.7 / 75.9	99.3 / 77.4
Declared $EER_{DC,C}$			5.45 / 5.50	5.20 / 5.41	5.42 / 5.66
Declared Refrigerant Capacity P_D	1,3,5	kW	497.3 / 384.6	424.6 / 317.9	453.3 / 336.2
Declared Power Input D_D		kW	75.7 / 58.8	66.3 / 50.1	67.9 / 50.8
Declared $EER_{DC,D}$			6.57 / 6.54	6.41 / 6.34	6.68 / 6.62

SSCEE	2,3,5	%	17%.6	167.9	176.6
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		489.5	511.8	543.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	487.5	509.6	541.5
Declared EER_d 35°C			3.04	2.94	3.05
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	539.9 / 442.0	563.9 / 472.9	600.2 / 499.7
Declared EER_d 30°C			4.11 / 4.21	3.94 / 4.04	4.11 / 4.19
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	475.9 / 368.3	508.0 / 410.5	538.1 / 438.1
Declared EER_d 25°C			5.45 / 5.50	5.20 / 5.41	5.42 / 5.66
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	497.3 / 384.6	424.6 / 317.9	453.3 / 336.2
Declared EER_d 20°C			6.57 / 6.54	6.41 / 6.34	6.68 / 6.62
Sound Power Level LWA		dB(A)	91	91	91
Air flow rate		m³/h	278393	278393	301592
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.312	2.574	2.008
Standby Mode P_{SB}		kW	0.279	0.291	0.296
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC059DR-14DVV0, DCC061DR-14DVW0, DCC065DR-14DWW0

Ecodesign

	Notes:	Units	DCC059DR-14DVV0	DCC061DR-14DVW0	DCC065DR-14DWW0
SEPR	1,3,5		5.78	5.70	5.60
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	727164	773760	837292
Rated Refrigerant Capacity P_A	1,3,5	kW	567.6	595.5	633.1
Rated Power Input D_A		kW	182.5	196.5	211.7
Rated $EER_{DC,A}$			3.11	3.03	2.99
Declared Refrigerant Capacity P_B	1,3,5	kW	630.0 / 528.1	660.3 / 548.5	702.8 / 589.5
Declared Power Input D_B		kW	149.9 / 123.0	161.0 / 129.7	174.5 / 143.1
Declared $EER_{DC,B}$			4.20 / 4.29	4.10 / 4.23	4.03 / 4.12
Declared Refrigerant Capacity P_C	1,3,5	kW	569.7 / 460.2	590.9 / 482.1	635.7 / 514.0
Declared Power Input D_C		kW	102.6 / 80.1	108.1 / 85.6	119.7 / 93.2
Declared $EER_{DC,C}$			5.55 / 5.75	5.47 / 5.63	5.31 / 5.52
Declared Refrigerant Capacity P_D	1,3,5	kW	475.7 / 356.1	499.1 / 367.3	534.8 / 400.3
Declared Power Input D_D		kW	70.8 / 53.6	74.9 / 55.4	81.0 / 61.4
Declared $EER_{DC,D}$			6.72 / 6.65	6.67 / 6.63	6.61 / 6.52

SSCEE	2,3,5	%	176.2	175.8	168.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		570	597.7	636.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	567.6	595.5	633.1
Declared EER_d 35°C			3.11	3.03	2.99
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	630.0 / 528.1	660.3 / 548.5	702.8 / 589.5
Declared EER_d 30°C			4.20 / 4.29	4.10 / 4.23	4.03 / 4.12
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	569.7 / 460.2	590.9 / 482.1	635.7 / 514.0
Declared EER_d 25°C			5.55 / 5.75	5.47 / 5.63	5.31 / 5.52
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	475.7 / 356.1	499.1 / 367.3	534.8 / 400.3
Declared EER_d 20°C			6.72 / 6.65	6.67 / 6.63	6.61 / 6.52
Sound Power Level LWA		dB(A)	91	92	93
Air flow rate		m³/h	324791	324791	324791
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.909	2.677	4.074
Standby Mode P_{SB}		kW	0.301	0.301	0.301
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC070TR-16GPPY, DCC074TR-17GPYY, DCC079TR-18GYYY

Ecodesign

	Notes:	Units	DCC070TR-16GPPY	DCC074TR-17GPYY	DCC079TR-18GYYY
SEPR	1,3,5		5.62	5.60	5.62
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	902454	956222	1026870
Rated Refrigerant Capacity P_A	1,3,5	kW	685	722.8	778.8
Rated Power Input D_A		kW	226.1	241.7	260.5
Rated $EER_{DC,A}$			3.03	2.99	2.99
Declared Refrigerant Capacity P_B	1,3,5	kW	669.4 / 575.2	710.4 / 619.6	771.9 / 679.2
Declared Power Input D_B		kW	160.6 / 136.9	173.4 / 147.6	189.0 / 163.1
Declared $EER_{DC,B}$			4.17 / 4.20	4.10 / 4.20	4.08 / 4.16
Declared Refrigerant Capacity P_C	1,3,5	kW	621.3 / 496.0	667.6 / 567.0	732.8 / 633.1
Declared Power Input D_C		kW	114.5 / 88.9	122.9 / 103.1	136.1 / 114.2
Declared $EER_{DC,C}$			5.43 / 5.58	5.43 / 5.50	5.38 / 5.55
Declared Refrigerant Capacity P_D	1,3,5	kW	654.3 / 516.8	590.9 / 484.3	658.1 / 547.9
Declared Power Input D_D		kW	99.0 / 78.3	89.9 / 73.8	99.4 / 83.1
Declared $EER_{DC,D}$			6.61 / 6.60	6.57 / 6.56	6.62 / 6.59

SSCEE	2,3,5	%	169.1	172.4	172.6
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		688.1	724.9	781.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	685	722.8	778.8
Declared EER_d 35°C			3.03	2.99	2.99
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	669.4 / 575.2	710.4 / 619.6	771.9 / 679.2
Declared EER_d 30°C			4.17 / 4.20	4.10 / 4.20	4.08 / 4.16
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	621.3 / 496.0	667.6 / 567.0	732.8 / 633.1
Declared EER_d 25°C			5.43 / 5.58	5.43 / 5.50	5.38 / 5.55
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	654.3 / 516.8	590.9 / 484.3	658.1 / 547.9
Declared EER_d 20°C			6.61 / 6.60	6.57 / 6.56	6.62 / 6.59
Sound Power Level LWA		dB(A)	93	93	93
Air flow rate		m³/h	371190	394390	417589
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.809	2.552	3.315
Standby Mode P_{SB}		kW	0.335	0.351	0.368
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC082TR-19GYYV, DCC084TR-20GYVV, DCC087TR-21GVVV

Ecodesign

	Notes:	Units	DCC082TR-19GYYV	DCC084TR-20GYVV	DCC087TR-21GVVV
SEPR	1,3,5		5.64	5.67	5.71
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1047911	1067783	1085652
Rated Refrigerant Capacity P_A	1,3,5	kW	798.2	817.6	836.9
Rated Power Input D_A		kW	264.3	268.9	272.6
Rated $EER_{DC,A}$			3.02	3.04	3.07
Declared Refrigerant Capacity P_B	1,3,5	kW	785.6 / 692.9	806.8 / 706.7	827.9 / 727.8
Declared Power Input D_B		kW	191.1 / 165.2	193.9 / 167.2	196.8 / 170.1
Declared $EER_{DC,B}$			4.11 / 4.20	4.16 / 4.23	4.21 / 4.28
Declared Refrigerant Capacity P_C	1,3,5	kW	747.4 / 647.8	762.0 / 662.4	784.5 / 677.0
Declared Power Input D_C		kW	137.7 / 115.8	139.3 / 117.4	141.5 / 119.1
Declared $EER_{DC,C}$			5.43 / 5.59	5.47 / 5.64	5.54 / 5.69
Declared Refrigerant Capacity P_D	1,3,5	kW	671.5 / 554.5	685.0 / 568.0	698.5 / 581.5
Declared Power Input D_D		kW	101.3 / 84.3	103.3 / 86.2	105.3 / 88.2
Declared $EER_{DC,D}$			6.63 / 6.58	6.63 / 6.59	6.63 / 6.59

SSCEE	2,3,5	%	172.9	173.5	174.7
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		801.1	820.7	840.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	798.2	817.6	836.9
Declared EER_d 35°C			3.02	3.04	3.07
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	785.6 / 692.9	806.8 / 706.7	827.9 / 727.8
Declared EER_d 30°C			4.11 / 4.20	4.16 / 4.23	4.21 / 4.28
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	747.4 / 647.8	762.0 / 662.4	784.5 / 677.0
Declared EER_d 25°C			5.43 / 5.59	5.47 / 5.64	5.54 / 5.69
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	671.5 / 554.5	685.0 / 568.0	698.5 / 581.5
Declared EER_d 20°C			6.63 / 6.58	6.63 / 6.59	6.63 / 6.59
Sound Power Level LWA		dB(A)	93	93	93
Air flow rate		m³/h	440788	463988	487187
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.546	3.758	4.010
Standby Mode P_{SB}		kW	0.373	0.378	0.383
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
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(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC015DX-04ADF0, DCC016DX-04AJJ0, DCC018DX-04BJK0

Ecodesign

	Notes:	Units	DCC090TR-21GVVW	DCC093TR-21GVWW	DCC096TR-21GWWW
SEPR	1,3,5		5.77	5.71	5.64
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1125163	1177854	1233281
Rated Refrigerant Capacity P_A	1,3,5	kW	876.9	908	939.1
Rated Power Input D_A		kW	286.6	300.7	315.1
Rated $EER_{DC,A}$			3.06	3.02	2.98
Declared Refrigerant Capacity P_B	1,3,5	kW	862.3 / 761.1	896.4 / 784.5	930.5 / 818.6
Declared Power Input D_B		kW	203.8 / 177.0	215.7 / 184.4	227.6 / 196.3
Declared $EER_{DC,B}$			4.23 / 4.30	4.16 / 4.26	4.09 / 4.17
Declared Refrigerant Capacity P_C	1,3,5	kW	822.1 / 713.3	846.8 / 738.0	882.7 / 762.6
Declared Power Input D_C		kW	147.3 / 124.8	153.5 / 131.0	163.5 / 137.1
Declared $EER_{DC,C}$			5.58 / 5.72	5.52 / 5.64	5.40 / 5.56
Declared Refrigerant Capacity P_D	1,3,5	kW	739.0 / 606.4	765.9 / 633.2	792.7 / 660.0
Declared Power Input D_D		kW	109.5 / 90.0	114.2 / 94.8	118.9 / 99.5
Declared $EER_{DC,D}$			6.75 / 6.73	6.71 / 6.68	6.66 / 6.63

SSCEE	2,3,5	%	178.9	176.5	173.6
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		879.5	910.8	942.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	876.9	908	939.1
Declared EER_d 35°C			3.06	3.02	2.98
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	862.3 / 761.1	896.4 / 784.5	930.5 / 818.6
Declared EER_d 30°C			4.23 / 4.30	4.16 / 4.26	4.09 / 4.17
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	822.1 / 713.3	846.8 / 738.0	882.7 / 762.6
Declared EER_d 25°C			5.58 / 5.72	5.52 / 5.64	5.40 / 5.56
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	739.0 / 606.4	765.9 / 633.2	792.7 / 660.0
Declared EER_d 20°C			6.75 / 6.73	6.71 / 6.68	6.66 / 6.63
Sound Power Level LWA		dB(A)	94	94	95
Air flow rate		m³/h	487187	487187	487187
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.313	3.607	3.916
Standby Mode P_{SB}		kW	0.383	0.383	0.383
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC048DX-10EPV0, DCC049DX-10EYY0, DCC053DX-11DYV0

Ecodesign

	Notes:	Units	DCC048DX-10EPV0	DCC049DX-10EYY0	DCC053DX-11DYV0
SEPR	1,3,5		5.36	5.34	5.57
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	640487	669740	685192
Rated Refrigerant Capacity P_A	1,3,5	kW	463.1	482.8	515.3
Rated Power Input D_A		kW	165.4	179.5	182.7
Rated $EER_{DC,A}$			2.8	2.69	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	523.1 / 430.4	461.6 / 378.2	487.5 / 402.8
Declared Power Input D_B		kW	135.6 / 108.2	120.7 / 93.6	122.6 / 95.3
Declared $EER_{DC,B}$			3.86 / 3.98	3.82 / 4.04	3.98 / 4.23
Declared Refrigerant Capacity P_C	1,3,5	kW	467.9 / 361.4	500.6 / 406.4	530.2 / 434.1
Declared Power Input D_C		kW	90.2 / 69.1	100.7 / 77.9	102.3 / 79.3
Declared $EER_{DC,C}$			5.19 / 5.23	4.97 / 5.22	5.18 / 5.47
Declared Refrigerant Capacity P_D	1,3,5	kW	380.3 / 247.9	424.9 / 318.2	453.4 / 336.3
Declared Power Input D_D		kW	60.7 / 38.0	66.5 / 50.2	68.2 / 50.9
Declared $EER_{DC,D}$			6.27 / 6.53	6.39 / 6.34	6.65 / 6.60

SSCEE	2,3,5	%	162.9	163.9	172.2
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		464.8	484.7	516.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	463.1	482.8	515.3
Declared EER_d 35°C			2.8	2.69	2.82
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	523.1 / 430.4	461.6 / 378.2	487.5 / 402.8
Declared EER_d 30°C			3.86 / 3.98	3.82 / 4.04	3.98 / 4.23
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	467.9 / 361.4	500.6 / 406.4	530.2 / 434.1
Declared EER_d 25°C			5.19 / 5.23	4.97 / 5.22	5.18 / 5.47
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	380.3 / 247.9	424.9 / 318.2	453.4 / 336.3
Declared EER_d 20°C			6.27 / 6.53	6.39 / 6.34	6.65 / 6.60
Sound Power Level LWA		dB(A)	88	86	87
Air flow rate		m³/h	158929	158929	174822
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.061	2.279	1.768
Standby Mode P_{SB}		kW	0.269	0.281	0.286
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC056DX-12DVV0, DCC058DX-12DVW0, DCC061DX-12DWW0

Ecodesign

	Notes:	Units	DCC056DX-12DVV0	DCC058DX-12DVW0	DCC061DX-12DWW0
SEPR	1,3,5		5.68	5.60	5.50
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	708189	749567	805098
Rated Refrigerant Capacity P_A	1,3,5	kW	543	566.3	597.4
Rated Power Input D_A		kW	187.2	202.3	218.8
Rated $EER_{DC,A}$			2.9	2.8	2.73
Declared Refrigerant Capacity P_B	1,3,5	kW	518.2 / 422.7	538.5 / 443.4	575.0 / 472.1
Declared Power Input D_B		kW	125.8 / 98.1	132.7 / 105.1	146.8 / 113.9
Declared $EER_{DC,B}$			4.12 / 4.31	4.06 / 4.22	3.92 / 4.14
Declared Refrigerant Capacity P_C	1,3,5	kW	563.6 / 456.5	584.6 / 478.0	626.5 / 509.5
Declared Power Input D_C		kW	105.2 / 81.7	110.8 / 87.4	122.6 / 95.1
Declared $EER_{DC,C}$			5.36 / 5.58	5.27 / 5.47	5.11 / 5.36
Declared Refrigerant Capacity P_D	1,3,5	kW	475.9 / 356.3	499.3 / 367.5	535.3 / 400.7
Declared Power Input D_D		kW	70.9 / 53.5	75.2 / 55.4	81.2 / 61.3
Declared $EER_{DC,D}$			6.71 / 6.65	6.64 / 6.64	6.59 / 6.54

SSCEE	2,3,5	%	172.9	172.3	165.3
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		545.1	568.2	600.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	543	566.3	597.4
Declared EER_d 35°C			2.9	2.8	2.73
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	518.2 / 422.7	538.5 / 443.4	575.0 / 472.1
Declared EER_d 30°C			4.12 / 4.31	4.06 / 4.22	3.92 / 4.14
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	563.6 / 456.5	584.6 / 478.0	626.5 / 509.5
Declared EER_d 25°C			5.36 / 5.58	5.27 / 5.47	5.11 / 5.36
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	475.9 / 356.3	499.3 / 367.5	535.3 / 400.7
Declared EER_d 20°C			6.71 / 6.65	6.64 / 6.64	6.59 / 6.54
Sound Power Level LWA		dB(A)	88	89	89
Air flow rate		m³/h	190715	190715	190715
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.599	2.353	3.505
Standby Mode P_{SB}		kW	0.291	0.291	0.291
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC066TX-13GPPY, DCC070TX-14GPYY, DCC075TX-15GYYY

Ecodesign

	Notes:	Units	DCC066TX-13GPPY	DCC070TX-14GPYY	DCC075TX-15GYYY
SEPR	1,3,5		5.37	5.35	5.47
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	888943	944007	996551
Rated Refrigerant Capacity P_A	1,3,5	kW	644	682.1	735.3
Rated Power Input D_A		kW	235.9	251.7	270.3
Rated $EER_{DC,A}$			2.73	2.71	2.72
Declared Refrigerant Capacity P_B	1,3,5	kW	647.2 / 554.4	688.7 / 605.5	748.7 / 664.4
Declared Power Input D_B		kW	166.6 / 142.0	179.8 / 152.7	195.4 / 168.2
Declared $EER_{DC,B}$			3.88 / 3.90	3.83 / 3.97	3.83 / 3.95
Declared Refrigerant Capacity P_C	1,3,5	kW	607.9 / 487.7	656.7 / 557.7	721.7 / 626.0
Declared Power Input D_C		kW	118.7 / 91.6	127.2 / 106.7	140.5 / 117.5
Declared $EER_{DC,C}$			5.12 / 5.32	5.16 / 5.23	5.14 / 5.33
Declared Refrigerant Capacity P_D	1,3,5	kW	645.3 / 512.5	586.5 / 479.9	658.1 / 548.0
Declared Power Input D_D		kW	102.9 / 80.1	92.4 / 76.0	100.3 / 83.8
Declared $EER_{DC,D}$			6.27 / 6.40	6.35 / 6.32	6.56 / 6.54

SSCEE	2,3,5	%	161.7	163.7	166.6
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		646.6	684.2	738
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	644	682.1	735.3
Declared EER_d 35°C			2.73	2.71	2.72
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	647.2 / 554.4	688.7 / 605.5	748.7 / 664.4
Declared EER_d 30°C			3.88 / 3.90	3.83 / 3.97	3.83 / 3.95
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	607.9 / 487.7	656.7 / 557.7	721.7 / 626.0
Declared EER_d 25°C			5.12 / 5.32	5.16 / 5.23	5.14 / 5.33
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	645.3 / 512.5	586.5 / 479.9	658.1 / 548.0
Declared EER_d 20°C			6.27 / 6.40	6.35 / 6.32	6.56 / 6.54
Sound Power Level LWA		dB(A)	89	88	88
Air flow rate		m³/h	206608	222501	238393
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.231	2.739	3.579
Standby Mode P_{SB}		kW	0.320	0.336	0.353
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC077TX-16GYYV, DCC080TX-17GYVV, DCC083TX-18GVVV

Ecodesign

	Notes:	Units	DCC077TX-16GYYV	DCC080TX-17GYVV	DCC083TX-18GVVV
SEPR	1,3,5		5.50	5.56	5.61
SEPR Tier			Tier 1 (2018)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1020572	1039649	1058596
Rated Refrigerant Capacity P_A	1,3,5	kW	757.4	779.7	801.7
Rated Power Input D_A		kW	273.4	276.5	279.3
Rated $EER_{DC,A}$			2.77	2.82	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	762.7 / 678.4	787.0 / 692.8	811.0 / 716.8
Declared Power Input D_B		kW	197.3 / 170.0	199.1 / 171.6	201.3 / 173.8
Declared $EER_{DC,B}$			3.87 / 3.99	3.95 / 4.04	4.03 / 4.13
Declared Refrigerant Capacity P_C	1,3,5	kW	736.8 / 641.1	752.3 / 656.5	777.1 / 671.7
Declared Power Input D_C		kW	141.9 / 119.0	143.0 / 120.1	144.9 / 121.6
Declared $EER_{DC,C}$			5.19 / 5.39	5.26 / 5.47	5.36 / 5.53
Declared Refrigerant Capacity P_D	1,3,5	kW	671.5 / 554.6	685.3 / 568.3	698.7 / 581.8
Declared Power Input D_D		kW	102.2 / 84.9	103.7 / 86.4	105.5 / 88.3
Declared $EER_{DC,D}$			6.57 / 6.53	6.61 / 6.58	6.62 / 6.59

SSCEE	2,3,5	%	167.1	169.8	171.6
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		760.2	782.4	804.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	757.4	779.7	801.7
Declared EER_d 35°C			2.77	2.82	2.87
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	762.7 / 678.4	787.0 / 692.8	811.0 / 716.8
Declared EER_d 30°C			3.87 / 3.99	3.95 / 4.04	4.03 / 4.13
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	736.8 / 641.1	752.3 / 656.5	777.1 / 671.7
Declared EER_d 25°C			5.19 / 5.39	5.26 / 5.47	5.36 / 5.53
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	671.5 / 554.6	685.3 / 568.3	698.7 / 581.8
Declared EER_d 20°C			6.57 / 6.53	6.61 / 6.58	6.62 / 6.59
Sound Power Level LWA		dB(A)	89	89	90
Air flow rate		m³/h	254286	270179	286072
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.847	3.324	3.555
Standby Mode P_{SB}		kW	0.358	0.363	0.368
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC086TX-18GVVW, DCC088TX-18GVWW, DCC091TX-18GWWW

Ecodesign

	Notes:	Units	DCC086TX-18GVVW	DCC088TX-18GVWW	DCC091TX-18GWWW
SEPR	1,3,5		5.67	5.60	5.53
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1091160	1138392	1188422
Rated Refrigerant Capacity P_A	1,3,5	kW	835.1	861.1	887.1
Rated Power Input D_A		kW	294.0	309.7	324.9
Rated $EER_{DC,A}$			2.84	2.78	2.73
Declared Refrigerant Capacity P_B	1,3,5	kW	843.9 / 749.1	874.0 / 772.2	904.2 / 802.4
Declared Power Input D_B		kW	208.6 / 180.9	221.2 / 188.5	233.9 / 201.2
Declared $EER_{DC,B}$			4.05 / 4.14	3.95 / 4.10	3.87 / 3.99
Declared Refrigerant Capacity P_C	1,3,5	kW	813.6 / 707.1	837.9 / 731.4	871.4 / 755.7
Declared Power Input D_C		kW	150.9 / 127.5	157.2 / 133.9	167.6 / 140.2
Declared $EER_{DC,C}$			5.39 / 5.54	5.33 / 5.46	5.20 / 5.39
Declared Refrigerant Capacity P_D	1,3,5	kW	739.4 / 606.8	766.3 / 633.7	793.1 / 660.5
Declared Power Input D_D		kW	109.9 / 90.1	114.7 / 94.9	119.5 / 99.7
Declared $EER_{DC,D}$			6.73 / 6.74	6.68 / 6.68	6.63 / 6.62

SSCEE	2,3,5	%	175.4	173.1	17%.2
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		837.3	863.5	889.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	835.1	861.1	887.1
Declared EER_d 35°C			2.84	2.78	2.73
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	843.9 / 749.1	874.0 / 772.2	904.2 / 802.4
Declared EER_d 30°C			4.05 / 4.14	3.95 / 4.10	3.87 / 3.99
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	813.6 / 707.1	837.9 / 731.4	871.4 / 755.7
Declared EER_d 25°C			5.39 / 5.54	5.33 / 5.46	5.20 / 5.39
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	739.4 / 606.8	766.3 / 633.7	793.1 / 660.5
Declared EER_d 20°C			6.73 / 6.74	6.68 / 6.68	6.63 / 6.62
Sound Power Level LWA		dB(A)	90	91	91
Air flow rate		m³/h	286072	286072	286072
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	2.877	3.099	3.331
Standby Mode P_{SB}		kW	0.368	0.368	0.368
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC049DX-12EPV0, DCC051DX-12EYY0, DCC054DX-13DYV0

Ecodesign

	Notes:	Units	DCC049DX-12EPV0	DCC051DX-12EYY0	DCC054DX-13DYV0
SEPR	1,3,5		5.62	5.48	5.71
SEPR Tier			Tier 2 (2021)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	630437	674571	688639
Rated Refrigerant Capacity P_A	1,3,5	kW	478.3	498.8	530.7
Rated Power Input D_A		kW	159.4	172.6	176.9
Rated $EER_{DC,A}$			3	2.89	3
Declared Refrigerant Capacity P_B	1,3,5	kW	536.5 / 439.8	470.4 / 381.9	496.7 / 406.4
Declared Power Input D_B		kW	130.8 / 104.5	116.8 / 91.2	118.8 / 93.1
Declared $EER_{DC,B}$			4.10 / 4.21	4.03 / 4.19	4.18 / 4.37
Declared Refrigerant Capacity P_C	1,3,5	kW	476.0 / 368.4	508.1 / 410.6	538.2 / 438.2
Declared Power Input D_C		kW	87.2 / 66.9	97.6 / 75.8	99.3 / 77.3
Declared $EER_{DC,C}$			5.46 / 5.51	5.21 / 5.41	5.42 / 5.67
Declared Refrigerant Capacity P_D	1,3,5	kW	384.7 / 247.7	424.7 / 318.0	453.3 / 336.2
Declared Power Input D_D		kW	58.7 / 38.0	66.1 / 50.0	67.8 / 50.7
Declared $EER_{DC,D}$			6.56 / 6.51	6.42 / 6.35	6.69 / 6.63

SSCEE	2,3,5	%	17%.3	168.3	176.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		480.2	500.9	532.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	478.3	498.8	530.7
Declared EER_d 35°C			3	2.89	3
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	536.5 / 439.8	470.4 / 381.9	496.7 / 406.4
Declared EER_d 30°C			4.10 / 4.21	4.03 / 4.19	4.18 / 4.37
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	476.0 / 368.4	508.1 / 410.6	538.2 / 438.2
Declared EER_d 25°C			5.46 / 5.51	5.21 / 5.41	5.42 / 5.67
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	384.7 / 247.7	424.7 / 318.0	453.3 / 336.2
Declared EER_d 20°C			6.56 / 6.51	6.42 / 6.35	6.69 / 6.63
Sound Power Level LWA		dB(A)	88	86	87
Air flow rate		m³/h	190715	190715	206608
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.209	2.444	1.915
Standby Mode P_{SB}		kW	0.279	0.291	0.296
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC057DX-14DVV0, DCC060DX-14DVW0, DCC063DX-14DWW0

Ecodesign

	Notes:	Units	DCC057DX-14DVV0	DCC060DX-14DVW0	DCC063DX-14DWW0
SEPR	1,3,5		5.80	5.72	5.62
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	712489	754488	811319
Rated Refrigerant Capacity P_A	1,3,5	kW	557.4	582.2	615.6
Rated Power Input D_A		kW	181.6	195.4	210.8
Rated $EER_{DC,A}$			3.07	2.98	2.92
Declared Refrigerant Capacity P_B	1,3,5	kW	526.2 / 426.0	546.8 / 447.1	585.2 / 476.4
Declared Power Input D_B		kW	122.6 / 96.0	129.4 / 102.8	142.6 / 111.5
Declared $EER_{DC,B}$			4.29 / 4.44	4.23 / 4.35	4.10 / 4.27
Declared Refrigerant Capacity P_C	1,3,5	kW	569.7 / 460.3	591.0 / 482.2	635.7 / 514.3
Declared Power Input D_C		kW	102.5 / 80.0	108.0 / 85.5	119.4 / 93.0
Declared $EER_{DC,C}$			5.56 / 5.76	5.47 / 5.64	5.32 / 5.53
Declared Refrigerant Capacity P_D	1,3,5	kW	475.8 / 356.2	499.2 / 367.4	535.0 / 400.5
Declared Power Input D_D		kW	70.7 / 53.5	74.8 / 55.3	80.7 / 61.2
Declared $EER_{DC,D}$			6.73 / 6.66	6.68 / 6.64	6.63 / 6.55

SSCEE	2,3,5	%	176.6	176.3	168.9
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		559.7	584.3	618.8
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	557.4	582.2	615.6
Declared EER_d 35°C			3.07	2.98	2.92
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	526.2 / 426.0	546.8 / 447.1	585.2 / 476.4
Declared EER_d 30°C			4.29 / 4.44	4.23 / 4.35	4.10 / 4.27
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	569.7 / 460.3	591.0 / 482.2	635.7 / 514.3
Declared EER_d 25°C			5.56 / 5.76	5.47 / 5.64	5.32 / 5.53
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	475.8 / 356.2	499.2 / 367.4	535.0 / 400.5
Declared EER_d 20°C			6.73 / 6.66	6.68 / 6.64	6.63 / 6.55
Sound Power Level LWA		dB(A)	88	89	89
Air flow rate		m³/h	222501	222501	222501
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.786	2.537	3.797
Standby Mode P_{SB}		kW	0.301	0.301	0.301
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC068TX-16GPPY, DCC072TX-17GPYY, DCC077TX-18GYYY

Ecodesign

	Notes:	Units	DCC068TX-16GPPY	DCC072TX-17GPYY	DCC077TX-18GYYY
SEPR	1,3,5		5.64	5.61	5.63
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	880382	934199	1000806
Rated Refrigerant Capacity P_A	1,3,5	kW	669.7	707.2	761
Rated Power Input D_A		kW	225.5	240.5	259.7
Rated $EER_{DC,A}$			2.97	2.94	2.93
Declared Refrigerant Capacity P_B	1,3,5	kW	665.0 / 570.9	705.7 / 617.4	766.2 / 676.3
Declared Power Input D_B		kW	160.0 / 136.3	172.8 / 147.3	188.3 / 162.6
Declared $EER_{DC,B}$			4.16 / 4.19	4.08 / 4.19	4.07 / 4.16
Declared Refrigerant Capacity P_C	1,3,5	kW	621.5 / 496.2	667.7 / 567.1	732.9 / 633.3
Declared Power Input D_C		kW	114.3 / 88.7	122.8 / 103.0	135.9 / 114.0
Declared $EER_{DC,C}$			5.44 / 5.59	5.44 / 5.51	5.39 / 5.55
Declared Refrigerant Capacity P_D	1,3,5	kW	654.4 / 516.9	591.0 / 484.4	658.2 / 548.1
Declared Power Input D_D		kW	98.8 / 78.1	89.8 / 73.7	99.2 / 83.0
Declared $EER_{DC,D}$			6.62 / 6.62	6.58 / 6.57	6.63 / 6.60

SSCEE	2,3,5	%	169.1	172.1	173.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		672.6	709.1	763.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	669.7	707.2	761
Declared EER_d 35°C			2.97	2.94	2.93
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	665.0 / 570.9	705.7 / 617.4	766.2 / 676.3
Declared EER_d 30°C			4.16 / 4.19	4.08 / 4.19	4.07 / 4.16
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	621.5 / 496.2	667.7 / 567.1	732.9 / 633.3
Declared EER_d 25°C			5.44 / 5.59	5.44 / 5.51	5.39 / 5.55
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	654.4 / 516.9	591.0 / 484.4	658.2 / 548.1
Declared EER_d 20°C			6.62 / 6.62	6.58 / 6.57	6.63 / 6.60
Sound Power Level LWA		dB(A)	89	89	88
Air flow rate		m³/h	254286	270179	286072
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.605	2.422	3.135
Standby Mode P_{SB}		kW	0.335	0.351	0.368
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
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Technical Data

DCC080TX-19GYYV, DCC082TX-20GYVV, DCC085TX-21GVVV

Ecodesign

	Notes:	Units	DCC080TX-19GYYV	DCC082TX-20GYVV	DCC085TX-21GVVV
SEPR	1,3,5		5.66	5.69	5.72
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1023586	1045105	1064742
Rated Refrigerant Capacity P_A	1,3,5	kW	781.6	802.1	822.6
Rated Power Input D_A		kW	263.2	267.4	271.5
Rated $EER_{DC,A}$			2.97	3	3.03
Declared Refrigerant Capacity P_B	1,3,5	kW	779.8 / 689.9	802.3 / 703.6	824.7 / 726.0
Declared Power Input D_B		kW	190.4 / 164.7	193.2 / 166.8	196.1 / 169.6
Declared $EER_{DC,B}$			4.10 / 4.19	4.15 / 4.22	4.20 / 4.28
Declared Refrigerant Capacity P_C	1,3,5	kW	747.5 / 647.9	762.2 / 662.5	784.6 / 677.2
Declared Power Input D_C		kW	137.6 / 115.7	139.2 / 117.3	141.4 / 119.0
Declared $EER_{DC,C}$			5.43 / 5.60	5.48 / 5.65	5.55 / 5.69
Declared Refrigerant Capacity P_D	1,3,5	kW	671.7 / 554.7	685.1 / 568.2	698.6 / 581.6
Declared Power Input D_D		kW	101.2 / 84.1	103.2 / 86.1	105.2 / 88.1
Declared $EER_{DC,D}$			6.64 / 6.59	6.64 / 6.60	6.64 / 6.60

SSCEE	2,3,5	%	173.3	173.9	175.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		784.3	805	825.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	781.6	802.1	822.6
Declared EER_d 35°C			2.97	3	3.03
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	779.8 / 689.9	802.3 / 703.6	824.7 / 726.0
Declared EER_d 30°C			4.10 / 4.19	4.15 / 4.22	4.20 / 4.28
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	747.5 / 647.9	762.2 / 662.5	784.6 / 677.2
Declared EER_d 25°C			5.43 / 5.60	5.48 / 5.65	5.55 / 5.69
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	671.7 / 554.7	685.1 / 568.2	698.6 / 581.6
Declared EER_d 20°C			6.64 / 6.59	6.64 / 6.60	6.64 / 6.60
Sound Power Level LWA		dB(A)	89	89	90
Air flow rate		m³/h	301965	317858	333751
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.369	3.588	3.845
Standby Mode P_{SB}		kW	0.373	0.378	0.383
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC088TX-21GVVW, DCC091TX-21GVWW, DCC094TX-21GWWW

Ecodesign

	Notes:	Units	DCC088TX-21GVVW	DCC091TX-21GVWW	DCC094TX-21GWWW
SEPR	1,3,5		5.79	5.73	5.66
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1098674	1146420	1196639
Rated Refrigerant Capacity P_A	1,3,5	kW	858.3	886	913.7
Rated Power Input D_A		kW	285.1	299.3	314.0
Rated $EER_{DC,A}$			3.01	2.96	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	858.7 / 759.2	890.4 / 782.8	922.0 / 814.4
Declared Power Input D_B		kW	203.1 / 176.6	214.9 / 183.9	226.7 / 195.8
Declared $EER_{DC,B}$			4.23 / 4.30	4.14 / 4.26	4.07 / 4.16
Declared Refrigerant Capacity P_C	1,3,5	kW	822.2 / 713.4	846.9 / 738.1	882.9 / 762.8
Declared Power Input D_C		kW	147.2 / 124.7	153.3 / 130.8	163.3 / 136.9
Declared $EER_{DC,C}$			5.59 / 5.72	5.52 / 5.64	5.41 / 5.57
Declared Refrigerant Capacity P_D	1,3,5	kW	739.2 / 606.5	766.0 / 633.3	792.9 / 660.2
Declared Power Input D_D		kW	109.4 / 89.9	114.1 / 94.6	118.8 / 99.3
Declared $EER_{DC,D}$			6.76 / 6.75	6.72 / 6.70	6.68 / 6.65

SSCEE	2,3,5	%	179.3	177.0	174.1
SSCEE Tier	6		Tier 2 (2021)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		860.8	888.7	916.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	858.3	886	913.7
Declared EER_d 35°C			3.01	2.96	2.91
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	858.7 / 759.2	890.4 / 782.8	922.0 / 814.4
Declared EER_d 30°C			4.23 / 4.30	4.14 / 4.26	4.07 / 4.16
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	822.2 / 713.4	846.9 / 738.1	882.9 / 762.8
Declared EER_d 25°C			5.59 / 5.72	5.52 / 5.64	5.41 / 5.57
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	739.2 / 606.5	766.0 / 633.3	792.9 / 660.2
Declared EER_d 20°C			6.76 / 6.75	6.72 / 6.70	6.68 / 6.65
Sound Power Level LWA		dB(A)	90	91	91
Air flow rate		m³/h	333751	333751	333751
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.145	3.398	3.663
Standby Mode P_{SB}		kW	0.383	0.383	0.383
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC050DX-14EPV0, DCC052DX-14EYY0, DCC055DX-15DYV0

Ecodesign

	Notes:	Units	DCC050DX-14EPV0	DCC052DX-14EYY0	DCC055DX-15DYV0
SEPR	1,3,5		5.77	5.58	5.81
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	627687	677448	690738
Rated Refrigerant Capacity P_A	1,3,5	kW	489	510.1	542
Rated Power Input D_A		kW	155.7	168.3	172.6
Rated $EER_{DC,A}$			3.14	3.03	3.14
Declared Refrigerant Capacity P_B	1,3,5	kW	545.4 / 446.3	476.8 / 384.8	605.3 / 503.5
Declared Power Input D_B		kW	128.0 / 102.3	114.3 / 89.5	142.2 / 116.3
Declared $EER_{DC,B}$			4.26 / 4.36	4.17 / 4.30	4.26 / 4.33
Declared Refrigerant Capacity P_C	1,3,5	kW	480.4 / 371.9	512.4 / 413.6	542.8 / 441.3
Declared Power Input D_C		kW	85.0 / 65.2	95.1 / 74.2	96.9 / 75.8
Declared $EER_{DC,C}$			5.65 / 5.71	5.39 / 5.57	5.60 / 5.82
Declared Refrigerant Capacity P_D	1,3,5	kW	497.3 / 384.6	424.5 / 317.8	453.2 / 336.2
Declared Power Input D_D		kW	74.8 / 57.9	66.1 / 50.0	67.7 / 50.6
Declared $EER_{DC,D}$			6.65 / 6.64	6.43 / 6.35	6.70 / 6.64

SSCEE	2,3,5	%	175.3	171.6	18%.5
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 2 (2021)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		491	512.4	543.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	489	510.1	542
Declared EER_d 35°C			3.14	3.03	3.14
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	545.4 / 446.3	476.8 / 384.8	605.3 / 503.5
Declared EER_d 30°C			4.26 / 4.36	4.17 / 4.30	4.26 / 4.33
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	480.4 / 371.9	512.4 / 413.6	542.8 / 441.3
Declared EER_d 25°C			5.65 / 5.71	5.39 / 5.57	5.60 / 5.82
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	497.3 / 384.6	424.5 / 317.8	453.2 / 336.2
Declared EER_d 20°C			6.65 / 6.64	6.43 / 6.35	6.70 / 6.64
Sound Power Level LWA		dB(A)	88	86	87
Air flow rate		m³/h	222501	222501	238393
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.343	2.597	2.043
Standby Mode P_{SB}		kW	0.289	0.301	0.306
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC059DX-16DVV0, DCC061DX-16DVW0, DCC065DX-16DWW0

Ecodesign

	Notes:	Units	DCC059DX-16DVV0	DCC061DX-16DVW0	DCC065DX-16DWW0
SEPR	1,3,5		5.89	5.81	5.72
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	715158	757802	815397
Rated Refrigerant Capacity P_A	1,3,5	kW	568.1	594.1	629.1
Rated Power Input D_A		kW	178.1	191.0	206.3
Rated $EER_{DC,A}$			3.19	3.11	3.05
Declared Refrigerant Capacity P_B	1,3,5	kW	532.4 / 429.1	664.8 / 553.0	592.7 / 479.4
Declared Power Input D_B		kW	120.5 / 94.5	157.0 / 127.0	139.6 / 109.5
Declared $EER_{DC,B}$			4.42 / 4.54	4.23 / 4.35	4.24 / 4.38
Declared Refrigerant Capacity P_C	1,3,5	kW	574.1 / 463.4	595.5 / 485.5	641.2 / 517.9
Declared Power Input D_C		kW	100.4 / 78.6	105.6 / 83.9	116.8 / 91.3
Declared $EER_{DC,C}$			5.72 / 5.89	5.64 / 5.79	5.49 / 5.68
Declared Refrigerant Capacity P_D	1,3,5	kW	475.7 / 356.1	499.0 / 367.2	534.9 / 400.3
Declared Power Input D_D		kW	70.6 / 53.5	74.7 / 55.4	80.6 / 61.2
Declared $EER_{DC,D}$			6.74 / 6.66	6.68 / 6.63	6.64 / 6.54

SSCEE	2,3,5	%	179.5	179.3	171.7
SSCEE Tier	6		Tier 2 (2021)	Tier 2 (2021)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		570.6	596.3	632.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	568.1	594.1	629.1
Declared EER_d 35°C			3.19	3.11	3.05
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	532.4 / 429.1	664.8 / 553.0	592.7 / 479.4
Declared EER_d 30°C			4.42 / 4.54	4.23 / 4.35	4.24 / 4.38
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	574.1 / 463.4	595.5 / 485.5	641.2 / 517.9
Declared EER_d 25°C			5.72 / 5.89	5.64 / 5.79	5.49 / 5.68
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	475.7 / 356.1	499.0 / 367.2	534.9 / 400.3
Declared EER_d 20°C			6.74 / 6.66	6.68 / 6.63	6.64 / 6.54
Sound Power Level LWA		dB(A)	88	89	89
Air flow rate		m³/h	254286	254286	254286
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	2.950	2.701	4.047
Standby Mode P_{SB}		kW	0.311	0.311	0.311
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC070TX-19GPPY, DCC074TX-20GPYY

Ecodesign

	Notes:	Units	DCC070TX-19GPPY	DCC074TX-20GPYY
SEPR	1,3,5		5.81	5.75
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	876915	933428
Rated Refrigerant Capacity P_A	1,3,5	kW	687.3	724.3
Rated Power Input D_A		kW	218.9	234.4
Rated $EER_{DC,A}$			3.14	3.09
Declared Refrigerant Capacity P_B	1,3,5	kW	677.2 / 582.0	717.4 / 625.6
Declared Power Input D_B		kW	155.9 / 132.8	168.8 / 144.0
Declared $EER_{DC,B}$			4.34 / 4.38	4.25 / 4.34
Declared Refrigerant Capacity P_C	1,3,5	kW	628.7 / 501.3	674.0 / 572.4
Declared Power Input D_C		kW	110.8 / 86.4	119.6 / 100.4
Declared $EER_{DC,C}$			5.67 / 5.80	5.64 / 5.70
Declared Refrigerant Capacity P_D	1,3,5	kW	654.5 / 516.9	590.9 / 484.4
Declared Power Input D_D		kW	97.0 / 77.2	89.0 / 72.9
Declared $EER_{DC,D}$			6.75 / 6.70	6.64 / 6.64

SSCEE	2,3,5	%	175.7	177.0
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		690.2	726.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	687.3	724.3
Declared EER_d 35°C			3.14	3.09
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	677.2 / 582.0	717.4 / 625.6
Declared EER_d 30°C			4.34 / 4.38	4.25 / 4.34
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	628.7 / 501.3	674.0 / 572.4
Declared EER_d 25°C			5.67 / 5.80	5.64 / 5.70
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	654.5 / 516.9	590.9 / 484.4
Declared EER_d 20°C			6.75 / 6.70	6.64 / 6.64
Sound Power Level LWA		dB(A)	89	89
Air flow rate		m³/h	301965	317858
Off mode P_{OFF}		kW	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.295	2.587
Standby Mode P_{SB}		kW	0.350	0.366
Crankcase heater mode P_{CK}		kW	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCC079TX-21GYYY, DCC081TX-22GYYV

Ecodesign

	Notes:	Units	DCC079TX-21GYYY	DCC081TX-22GYYV
SEPR	1,3,5		5.74	5.76
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1005705	1027664
Rated Refrigerant Capacity P_A	1,3,5	kW	779.1	798.7
Rated Power Input D_A		kW	253.0	256.8
Rated $EER_{DC,A}$			3.08	3.11
Declared Refrigerant Capacity P_B	1,3,5	kW	778.4 / 684.8	791.9 / 698.4
Declared Power Input D_B		kW	184.1 / 159.2	186.3 / 161.4
Declared $EER_{DC,B}$			4.23 / 4.30	4.25 / 4.33
Declared Refrigerant Capacity P_C	1,3,5	kW	739.5 / 638.4	753.9 / 652.8
Declared Power Input D_C		kW	132.7 / 111.7	134.4 / 113.4
Declared $EER_{DC,C}$			5.57 / 5.72	5.61 / 5.76
Declared Refrigerant Capacity P_D	1,3,5	kW	657.9 / 547.7	671.4 / 554.4
Declared Power Input D_D		kW	99.0 / 82.9	101.0 / 84.0
Declared $EER_{DC,D}$			6.64 / 6.60	6.64 / 6.60

SSCEE	2,3,5	%	176.5	176.7
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		781.8	801.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	779.1	798.7
Declared EER_d 35°C			3.08	3.11
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	778.4 / 684.8	791.9 / 698.4
Declared EER_d 30°C			4.23 / 4.30	4.25 / 4.33
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	739.5 / 638.4	753.9 / 652.8
Declared EER_d 25°C			5.57 / 5.72	5.61 / 5.76
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	657.9 / 547.7	671.4 / 554.4
Declared EER_d 20°C			6.64 / 6.60	6.64 / 6.60
Sound Power Level LWA		dB(A)	88	89
Air flow rate		m³/h	333751	349644
Off mode P_{OFF}		kW	0.169	0.169
Thermostat-off mode P_{TO}		kW	3.370	3.580
Standby Mode P_{SB}		kW	0.383	0.388

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data DCF

DCF046DR-07DXY0, DCF048DR-07DPY0, DCF051DR-08DPV0

Ecodesign

	Notes:	Units	DCF046DR-07DXY0	DCF048DR-07DPY0	DCF051DR-08DPV0
SEPR	1,3,5		5.57	5.41	5.47
SEPR Tier			Tier 2 (2021)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	579466	615297	641668
Rated Refrigerant Capacity P_A	1,3,5	kW	435.3	448.9	474
Rated Power Input D_A		kW	170.7	176.0	180.2
Rated $EER_{DC,A}$			2.55	2.55	2.63
Declared Refrigerant Capacity P_B	1,3,5	kW	407.1 / 339.6	422.7 / 329.1	535.9 / 438.2
Declared Power Input D_B		kW	112.7 / 89.9	117.7 / 90.8	149.5 / 119.2
Declared $EER_{DC,B}$			3.61 / 3.78	3.59 / 3.62	3.58 / 3.68
Declared Refrigerant Capacity P_C	1,3,5	kW	443.2 / 369.1	461.6 / 360.4	478.5 / 368.4
Declared Power Input D_C		kW	95.2 / 75.6	99.7 / 77.1	100.8 / 77.9
Declared $EER_{DC,C}$			4.65 / 4.89	4.63 / 4.67	4.75 / 4.73
Declared Refrigerant Capacity P_D	1,3,5	kW	345.1 / 284.4	355.4 / 253.1	375.2 / 260.4
Declared Power Input D_D		kW	44.1 / 45.8	46.8 / 40.3	49.3 / 41.4
Declared $EER_{DC,D}$			7.83 / 6.20	7.60 / 6.29	7.62 / 6.29

SSCEE	2,3,5	%	150.4	142.5	144.2
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF053DR-08DYY0, DCF055DR-09DYV0, DCF058DR-10DVV0

Ecodesign

	Notes:	Units	DCF053DR-08DYY0	DCF055DR-09DYV0	DCF058DR-10DVV0
SEPR	1,3,5		5.91	5.99	5.90
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	559457	582542	680850
Rated Refrigerant Capacity P_A	1,3,5	kW	446	470.8	542.5
Rated Power Input D_A		kW	166.4	170.6	199.4
Rated $EER_{DC,A}$			2.68	2.76	2.72
Declared Refrigerant Capacity P_B	1,3,5	kW	503.1 / 415.0	527.4 / 430.4	510.6 / 413.6
Declared Power Input D_B		kW	138.9 / 109.0	140.7 / 110.5	134.5 / 104.2
Declared $EER_{DC,B}$			3.62 / 3.81	3.75 / 3.90	3.80 / 3.97
Declared Refrigerant Capacity P_C	1,3,5	kW	451.6 / 374.4	468.3 / 391.0	553.2 / 448.6
Declared Power Input D_C		kW	91.7 / 73.6	92.7 / 74.7	112.5 / 87.1
Declared $EER_{DC,C}$			4.93 / 5.08	5.05 / 5.23	4.92 / 5.15
Declared Refrigerant Capacity P_D	1,3,5	kW	353.9 / 288.7	373.5 / 295.9	430.6 / 356.2
Declared Power Input D_D		kW	41.5 / 43.9	44.0 / 45.0	51.1 / 55.7
Declared $EER_{DC,D}$			8.52 / 6.58	8.48 / 6.58	8.42 / 6.39

SSCEE	2,3,5	%	148.8	15%.5	157.8
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF062DR-10FVW0, DCF065DR-10FWW0, DCF069TR-10GPPY

Ecodesign

	Notes:	Units	DCF062DR-10FVW0	DCF065DR-10FWW0	DCF069TR-10GPPY
SEPR	1,3,5		5.85	5.69	5.32
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	734583	790101	891143
Rated Refrigerant Capacity P_A	1,3,5	kW	580.1	607.2	640.1
Rated Power Input D_A		kW	216.5	231.8	254.0
Rated $EER_{DC,A}$			2.68	2.62	2.52
Declared Refrigerant Capacity P_B	1,3,5	kW	545.9 / 446.9	579.8 / 470.4	641.6 / 549.9
Declared Power Input D_B		kW	144.2 / 113.7	158.0 / 122.3	182.4 / 155.8
Declared $EER_{DC,B}$			3.79 / 3.93	3.67 / 3.85	3.52 / 3.53
Declared Refrigerant Capacity P_C	1,3,5	kW	592.5 / 485.5	628.8 / 510.8	601.6 / 483.1
Declared Power Input D_C		kW	121.0 / 95.4	132.9 / 102.6	132.0 / 101.5
Declared $EER_{DC,C}$			4.89 / 5.09	4.73 / 4.98	4.56 / 4.76
Declared Refrigerant Capacity P_D	1,3,5	kW	460.0 / 381.5	481.2 / 408.5	507.4 / 511.4
Declared Power Input D_D		kW	55.3 / 59.3	59.7 / 65.6	68.5 / 87.6
Declared $EER_{DC,D}$			8.32 / 6.43	8.06 / 6.23	7.41 / 5.84

SSCEE	2,3,5	%	155.6	151.3	142.1
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF074TR-11GPYY, DCF079TR-12GYYY, DCF082TR-13HYYV

Ecodesign

	Notes:	Units	DCF074TR-11GPYY	DCF079TR-12GYYY	DCF082TR-13HYYV
SEPR	1,3,5		5.38	5.39	5.48
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	954891	1016377	1035350
Rated Refrigerant Capacity P_A	1,3,5	kW	693.4	739.4	765.2
Rated Power Input D_A		kW	271.9	290.0	293.2
Rated $EER_{DC,A}$			2.55	2.55	2.61
Declared Refrigerant Capacity P_B	1,3,5	kW	700.4 / 612.2	750.6 / 662.4	765.7 / 677.5
Declared Power Input D_B		kW	198.2 / 168.3	213.1 / 183.3	213.8 / 183.9
Declared $EER_{DC,B}$			3.53 / 3.64	3.52 / 3.61	3.58 / 3.68
Declared Refrigerant Capacity P_C	1,3,5	kW	667.1 / 566.4	718.6 / 622.8	733.4 / 637.7
Declared Power Input D_C		kW	142.1 / 119.5	154.4 / 128.9	154.6 / 129.1
Declared $EER_{DC,C}$			4.70 / 4.74	4.65 / 4.83	4.75 / 4.94
Declared Refrigerant Capacity P_D	1,3,5	kW	549.4 / 490.0	585.6 / 553.2	606.9 / 557.8
Declared Power Input D_D		kW	74.3 / 84.6	80.0 / 91.5	81.9 / 91.7
Declared $EER_{DC,D}$			7.39 / 5.79	7.32 / 6.05	7.41 / 6.08

SSCEE	2,3,5	%	145.9	146.3	149.7
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF085TR-14HYVV, DCF090TR-15HVVV, DCF092TR-15HVVW

Ecodesign

	Notes:	Units	DCF085TR-14HYVV	DCF090TR-15HVVV	DCF092TR-15HVVW
SEPR	1,3,5		5.53	5.76	5.73
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1058998	1062191	1102905
Rated Refrigerant Capacity P_A	1,3,5	kW	789.8	826	853.3
Rated Power Input D_A		kW	296.9	301.5	316.0
Rated $EER_{DC,A}$			2.66	2.74	2.7
Declared Refrigerant Capacity P_B	1,3,5	kW	789.6 / 692.5	827.6 / 729.0	851.3 / 752.6
Declared Power Input D_B		kW	215.7 / 185.4	219.0 / 188.6	226.7 / 196.3
Declared $EER_{DC,B}$			3.66 / 3.73	3.78 / 3.87	3.76 / 3.83
Declared Refrigerant Capacity P_C	1,3,5	kW	749.5 / 653.9	790.2 / 683.8	815.3 / 708.8
Declared Power Input D_C		kW	155.6 / 130.1	158.1 / 132.5	164.5 / 138.8
Declared $EER_{DC,C}$			4.82 / 5.02	5.00 / 5.16	4.96 / 5.11
Declared Refrigerant Capacity P_D	1,3,5	kW	626.3 / 573.7	654.7 / 604.6	676.9 / 618.8
Declared Power Input D_D		kW	84.6 / 92.5	83.4 / 94.5	86.1 / 96.3
Declared $EER_{DC,D}$			7.41 / 6.20	7.85 / 6.40	7.87 / 6.42

SSCEE	2,3,5	%	151.2	154.5	155.0
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

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(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF094TR-15HVWW, DCF096TR-15HWWW, DCF049DR-09DXY0

Ecodesign

	Notes:	Units	DCF094TR-15HVWW	DCF096TR-15HWWW	DCF049DR-09DXY0
SEPR	1,3,5		5.67	5.55	6.00
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1149459	1204238	562532
Rated Refrigerant Capacity P_A	1,3,5	kW	879.9	901.6	455.5
Rated Power Input D_A		kW	332.0	345.4	163.3
Rated $EER_{DC,A}$			2.65	2.61	2.79
Declared Refrigerant Capacity P_B	1,3,5	kW	884.3 / 775.5	912.5 / 804.2	508.3 / 417.4
Declared Power Input D_B		kW	240.4 / 204.7	252.7 / 217.0	135.2 / 107.1
Declared $EER_{DC,B}$			3.68 / 3.79	3.61 / 3.71	3.76 / 3.90
Declared Refrigerant Capacity P_C	1,3,5	kW	839.5 / 733.1	869.7 / 753.4	453.7 / 376.5
Declared Power Input D_C		kW	171.6 / 146.0	181.8 / 151.8	90.0 / 71.9
Declared $EER_{DC,C}$			4.89 / 5.02	4.78 / 4.96	5.04 / 5.23
Declared Refrigerant Capacity P_D	1,3,5	kW	697.7 / 644.6	715.7 / 667.1	361.4 / 287.4
Declared Power Input D_D		kW	89.0 / 102.5	94.4 / 107.2	42.4 / 43.9
Declared $EER_{DC,D}$			7.84 / 6.29	7.58 / 6.22	8.53 / 6.55

SSCEE	2,3,5	%	152.4	152.1	159.5
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

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Technical Data

DCF051DR-09DPY0, DCF053DR-10DPV0, DCF055DR-10DYY0

Ecodesign

	Notes:	Units	DCF051DR-09DPY0	DCF053DR-10DPV0	DCF055DR-10DYY0
SEPR	1,3,5		5.83	5.87	6.19
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	599211	620833	551004
Rated Refrigerant Capacity P_A	1,3,5	kW	471.9	492.2	460.1
Rated Power Input D_A		kW	169.1	172.7	160.3
Rated $EER_{DC,A}$			2.79	2.85	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	526.9 / 435.1	550.0 / 450.0	514.0 / 422.9
Declared Power Input D_B		kW	140.1 / 111.9	142.6 / 113.8	132.6 / 104.5
Declared $EER_{DC,B}$			3.76 / 3.89	3.86 / 3.95	3.88 / 4.05
Declared Refrigerant Capacity P_C	1,3,5	kW	472.6 / 369.0	488.7 / 376.8	460.1 / 380.6
Declared Power Input D_C		kW	94.1 / 72.8	95.6 / 73.7	87.6 / 70.6
Declared $EER_{DC,C}$			5.02 / 5.07	5.11 / 5.11	5.25 / 5.39
Declared Refrigerant Capacity P_D	1,3,5	kW	373.8 / 253.2	389.9 / 260.4	365.3 / 288.8
Declared Power Input D_D		kW	45.8 / 39.5	48.0 / 40.7	41.8 / 43.2
Declared $EER_{DC,D}$			8.15 / 6.41	8.12 / 6.40	8.75 / 6.68

SSCEE	2,3,5	%	153.3	154.3	156.2
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

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Technical Data

DCF058DR-11DYV0, DCF060DR-12DVV0, DCF065DR-12FVW0

Ecodesign

	Notes:	Units	DCF058DR-11DYV0	DCF060DR-12DVV0	DCF065DR-12FVW0
SEPR	1,3,5		6.30	6.09	6.07
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	565409	672760	727992
Rated Refrigerant Capacity P_A	1,3,5	kW	480.8	553.4	596.7
Rated Power Input D_A		kW	163.5	192.8	209.4
Rated $EER_{DC,A}$			2.94	2.87	2.85
Declared Refrigerant Capacity P_B	1,3,5	kW	537.4 / 438.2	518.2 / 419.0	666.3 / 554.3
Declared Power Input D_B		kW	134.6 / 105.9	129.7 / 101.0	172.9 / 139.0
Declared $EER_{DC,B}$			3.99 / 4.14	4.00 / 4.15	3.85 / 3.99
Declared Refrigerant Capacity P_C	1,3,5	kW	476.6 / 397.2	561.3 / 454.3	601.6 / 492.2
Declared Power Input D_C		kW	88.5 / 71.5	108.3 / 84.2	116.5 / 92.1
Declared $EER_{DC,C}$			5.39 / 5.55	5.18 / 5.40	5.17 / 5.34
Declared Refrigerant Capacity P_D	1,3,5	kW	382.3 / 296.6	439.6 / 356.4	473.4 / 381.5
Declared Power Input D_D		kW	43.5 / 43.8	51.9 / 54.8	55.8 / 58.3
Declared $EER_{DC,D}$			8.79 / 6.77	8.46 / 6.51	8.48 / 6.55

SSCEE	2,3,5	%	161.4	164.5	161.9
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		536.2	556.5	600.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	533.2	553.4	596.7
Declared EER_d 35°C			2.82	2.87	2.85
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	594.4 / 495.3	518.2 / 419.0	666.3 / 554.3
Declared EER_d 30°C			3.81 / 3.89	4.00 / 4.15	3.85 / 3.99
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	536.7 / 438.3	561.3 / 454.3	601.6 / 492.2
Declared EER_d 25°C			5.04 / 5.29	5.18 / 5.40	5.17 / 5.34
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	423.5 / 341.8	439.6 / 356.4	473.4 / 381.5
Declared EER_d 20°C			8.61 / 6.43	8.60 / 6.51	8.62 / 6.55
Sound Power Level LWA		dB(A)	92	92	93
Air flow rate		m³/h	232768	253929	253929
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	3.488	3.639	4.603
Standby Mode P_{SB}		kW	0.286	0.291	0.291
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data

DCF068DR-12FWW0, DCF073TR-13GPPY, DCF078TR-14GPYY

Ecodesign

	Notes:	Units	DCF068DR-12FWW0	DCF073TR-13GPPY	DCF078TR-14GPYY
SEPR	1,3,5		5.98	5.78	5.78
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	779212	864683	930203
Rated Refrigerant Capacity P_A	1,3,5	kW	628.5	674.2	726.2
Rated Power Input D_A		kW	225.3	242.5	262.2
Rated $EER_{DC,A}$			2.79	2.78	2.77
Declared Refrigerant Capacity P_B	1,3,5	kW	589.1 / 477.2	662.1 / 568.4	719.0 / 627.7
Declared Power Input D_B		kW	152.0 / 118.2	172.6 / 147.3	188.6 / 160.5
Declared $EER_{DC,B}$			3.87 / 4.04	3.84 / 3.86	3.81 / 3.91
Declared Refrigerant Capacity P_C	1,3,5	kW	639.1 / 518.1	617.2 / 494.2	681.5 / 578.5
Declared Power Input D_C		kW	127.6 / 99.0	123.7 / 95.7	134.8 / 113.4
Declared $EER_{DC,C}$			5.01 / 5.23	4.99 / 5.16	5.06 / 5.10
Declared Refrigerant Capacity P_D	1,3,5	kW	498.5 / 410.7	535.0 / 519.6	575.8 / 498.3
Declared Power Input D_D		kW	59.0 / 63.6	66.7 / 83.3	72.4 / 81.0
Declared $EER_{DC,D}$			8.45 / 6.46	8.01 / 6.24	7.96 / 6.15

SSCEE	2,3,5	%	158.5	154.1	155.5
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

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Technical Data

DCF082TR-15GYYY, DCF085TR-16HYYV, DCF088TR-17HYVV

Ecodesign

	Notes:	Units	DCF082TR-15GYYY	DCF085TR-16HYYV	DCF088TR-17HYVV
SEPR	1,3,5		6.05	6.12	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	879146	893898	913351
Rated Refrigerant Capacity P_A	1,3,5	kW	717.4	738.7	758.6
Rated Power Input D_A		kW	253.5	256.5	260.7
Rated $EER_{DC,A}$			2.83	2.88	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	709.5 / 618.2	724.4 / 633.1	746.8 / 647.5
Declared Power Input D_B		kW	182.1 / 153.9	183.2 / 155.1	185.7 / 157.0
Declared $EER_{DC,B}$			3.90 / 4.02	3.95 / 4.08	4.02 / 4.13
Declared Refrigerant Capacity P_C	1,3,5	kW	672.0 / 592.4	686.7 / 607.0	702.1 / 622.4
Declared Power Input D_C		kW	129.1 / 112.1	129.7 / 112.7	131.1 / 114.1
Declared $EER_{DC,C}$			5.21 / 5.28	5.29 / 5.39	5.35 / 5.45
Declared Refrigerant Capacity P_D	1,3,5	kW	569.0 / 512.8	586.6 / 518.2	602.4 / 532.0
Declared Power Input D_D		kW	66.9 / 78.5	68.5 / 78.8	70.9 / 80.5
Declared $EER_{DC,D}$			8.51 / 6.53	8.56 / 6.57	8.50 / 6.61

SSCEE	2,3,5	%	153.2	156.9	157.9
SSCEE Tier		6	Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF093TR-18HVVV, DCF095TR-18HVVW, DCF098TR-18HVWW

Ecodesign

	Notes:	Units	DCF093TR-18HVVV	DCF095TR-18HVVW	DCF098TR-18HVWW
SEPR	1,3,5		6.07	6.01	5.93
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1029577	1079699	1131118
Rated Refrigerant Capacity P_A	1,3,5	kW	844.1	875.1	906
Rated Power Input D_A		kW	290.1	306.0	321.3
Rated $EER_{DC,A}$			2.91	2.86	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	841.0 / 740.2	864.3 / 763.4	897.9 / 786.7
Declared Power Input D_B		kW	210.2 / 181.3	218.3 / 189.5	231.4 / 197.6
Declared $EER_{DC,B}$			4.00 / 4.08	3.96 / 4.03	3.88 / 3.98
Declared Refrigerant Capacity P_C	1,3,5	kW	802.1 / 693.3	826.8 / 718.0	851.5 / 742.6
Declared Power Input D_C		kW	151.6 / 127.4	158.5 / 134.2	165.3 / 141.1
Declared $EER_{DC,C}$			5.29 / 5.44	5.22 / 5.35	5.15 / 5.26
Declared Refrigerant Capacity P_D	1,3,5	kW	670.2 / 605.4	694.5 / 618.9	718.7 / 646.2
Declared Power Input D_D		kW	81.0 / 91.9	84.4 / 94.5	87.8 / 99.9
Declared $EER_{DC,D}$			8.27 / 6.59	8.23 / 6.55	8.18 / 6.47

SSCEE	2,3,5	%	163.7	161.3	158.5
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		849.2	880.7	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	844.1	875.1	n/a
Declared EER_d 35°C			2.91	2.86	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	841.0 / 740.2	864.3 / 763.4	n/a
Declared EER_d 30°C			4.00 / 4.08	3.96 / 4.03	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	802.1 / 693.3	826.8 / 718.0	n/a
Declared EER_d 25°C			5.29 / 5.44	5.22 / 5.35	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	670.2 / 605.4	694.5 / 618.9	n/a
Declared EER_d 20°C			8.43 / 6.59	8.39 / 6.55	n/a
Sound Power Level LWA		dB(A)	94	95	n/a
Air flow rate		m³/h	380894	380894	n/a
Off mode P_{OFF}		kW	0.169	0.169	n/a
Thermostat-off mode P_{TO}		kW	5.960	6.508	n/a
Standby Mode P_{SB}		kW	0.368	0.368	n/a
Crankcase heater mode P_{CK}		kW	0.000	0.000	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF100TR-18HWWW, DCF051DR-11DXY0

Ecodesign

	Notes:	Units	DCF100TR-18HWWW	DCF051DR-11DXY0	DCF053DR-11DPY0
SEPR	1,3,5		5.84	6.22	6.12
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1182404	551467	580919
Rated Refrigerant Capacity P_A	1,3,5	kW	931.7	463.3	480.2
Rated Power Input D_A		kW	335.1	157.1	162.8
Rated $EER_{DC,A}$			2.78	2.95	2.95
Declared Refrigerant Capacity P_B	1,3,5	kW	926.4 / 815.9	517.3 / 424.3	536.3 / 442.4
Declared Power Input D_B		kW	242.9 / 209.2	129.9 / 103.2	134.5 / 107.7
Declared $EER_{DC,B}$			3.81 / 3.90	3.98 / 4.11	3.99 / 4.11
Declared Refrigerant Capacity P_C	1,3,5	kW	882.6 / 763.3	461.1 / 381.7	480.5 / 375.2
Declared Power Input D_C		kW	174.9 / 146.5	86.4 / 69.4	90.3 / 69.8
Declared $EER_{DC,C}$			5.05 / 5.21	5.34 / 5.50	5.32 / 5.37
Declared Refrigerant Capacity P_D	1,3,5	kW	739.9 / 670.0	367.8 / 287.5	380.7 / 253.2
Declared Power Input D_D		kW	92.2 / 103.9	42.6 / 43.3	45.1 / 39.2
Declared $EER_{DC,D}$			8.03 / 6.45	8.63 / 6.65	8.44 / 6.46

SSCEE	2,3,5	%	158.5	166.7	161.1
SSCEE Tier	6		Not Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	466.2	483.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	463.3	480.2
Declared EER_d 35°C			n/a	2.95	2.95
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	517.3 / 424.3	536.3 / 442.4
Declared EER_d 30°C			n/a	3.98 / 4.11	3.99 / 4.11
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	461.1 / 381.7	480.5 / 375.2
Declared EER_d 25°C			n/a	5.34 / 5.50	5.32 / 5.37
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	367.8 / 287.5	380.7 / 253.2
Declared EER_d 20°C			n/a	8.76 / 6.65	8.57 / 6.46
Sound Power Level LWA		dB(A)	n/a	90	91
Air flow rate		m³/h	n/a	232768	232768
Off mode P_{OFF}		kW	n/a	0.157	0.157
Thermostat-off mode P_{TO}		kW	n/a	3.216	3.940
Standby Mode P_{SB}		kW	n/a	0.286	0.274
Crankcase heater mode P_{CK}		kW	n/a	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF055DR-12DPV0, DCF057DR-12DYY0, DCF059DR-13DYV0

Ecodesign

	Notes:	Units	DCF055DR-12DPV0	DCF057DR-12DYY0	DCF059DR-13DYV0
SEPR	1,3,5		6.13	6.12	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	604330	630491	651302
Rated Refrigerant Capacity P_A	1,3,5	kW	500.3	520.7	540.8
Rated Power Input D_A		kW	166.8	178.9	182.7
Rated $EER_{DC,A}$			3	2.91	2.96
Declared Refrigerant Capacity P_B	1,3,5	kW	558.5 / 456.9	487.4 / 394.1	602.7 / 501.8
Declared Power Input D_B		kW	137.4 / 109.8	121.1 / 94.4	150.8 / 123.2
Declared $EER_{DC,B}$			4.06 / 4.16	4.02 / 4.18	4.00 / 4.07
Declared Refrigerant Capacity P_C	1,3,5	kW	496.2 / 382.8	528.0 / 427.5	543.6 / 443.1
Declared Power Input D_C		kW	92.1 / 70.9	101.3 / 78.7	103.0 / 80.4
Declared $EER_{DC,C}$			5.39 / 5.40	5.21 / 5.43	5.28 / 5.51
Declared Refrigerant Capacity P_D	1,3,5	kW	396.6 / 260.5	413.9 / 334.7	429.8 / 341.9
Declared Power Input D_D		kW	47.5 / 40.4	48.9 / 51.3	51.1 / 52.4
Declared $EER_{DC,D}$			8.35 / 6.45	8.47 / 6.52	8.41 / 6.52

SSCEE	2,3,5	%	161.6	166.3	167.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		504.1	523.4	543.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	500.3	520.7	540.8
Declared EER_d 35°C			3	2.91	2.96
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	558.5 / 456.9	487.4 / 394.1	602.7 / 501.8
Declared EER_d 30°C			4.06 / 4.16	4.02 / 4.18	4.00 / 4.07
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	496.2 / 382.8	528.0 / 427.5	543.6 / 443.1
Declared EER_d 25°C			5.39 / 5.40	5.21 / 5.43	5.28 / 5.51
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	396.6 / 260.5	413.9 / 334.7	429.8 / 341.9
Declared EER_d 20°C			8.49 / 6.45	8.60 / 6.52	8.54 / 6.52
Sound Power Level LWA		dB(A)	91	91	91
Air flow rate		m³/h	253929	253929	275090
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	4.217	3.151	3.334
Standby Mode P_{SB}		kW	0.279	0.291	0.296
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF062DR-14DVV0, DCF066DR-14FVW0, DCF070DR-14FWW0

Ecodesign

	Notes:	Units	DCF062DR-14DVV0	DCF066DR-14FVW0	DCF070DR-14FWW0
SEPR	1,3,5		6.22	6.23	6.13
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	668578	719473	769500
Rated Refrigerant Capacity P_A	1,3,5	kW	560.8	604.7	636.8
Rated Power Input D_A		kW	186.9	203.6	218.1
Rated $EER_{DC,A}$			3	2.97	2.92
Declared Refrigerant Capacity P_B	1,3,5	kW	523.9 / 423.0	675.0 / 560.8	596.5 / 482.3
Declared Power Input D_B		kW	126.1 / 98.5	167.6 / 135.1	147.6 / 115.1
Declared $EER_{DC,B}$			4.16 / 4.29	4.03 / 4.15	4.04 / 4.19
Declared Refrigerant Capacity P_C	1,3,5	kW	567.5 / 458.6	608.7 / 497.3	646.9 / 523.6
Declared Power Input D_C		kW	105.1 / 82.0	113.0 / 89.7	123.6 / 96.2
Declared $EER_{DC,C}$			5.40 / 5.59	5.39 / 5.54	5.23 / 5.44
Declared Refrigerant Capacity P_D	1,3,5	kW	445.7 / 356.4	479.9 / 381.7	505.3 / 410.9
Declared Power Input D_D		kW	53.1 / 54.4	56.4 / 57.8	59.7 / 62.8
Declared $EER_{DC,D}$			8.39 / 6.55	8.51 / 6.61	8.47 / 6.54

SSCEE	2,3,5	%	169.5	167.1	163.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		563.8	608.5	641
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	560.8	604.7	636.8
Declared EER_d 35°C			3	2.97	2.92
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	523.9 / 423.0	675.0 / 560.8	596.5 / 482.3
Declared EER_d 30°C			4.16 / 4.29	4.03 / 4.15	4.04 / 4.19
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	567.5 / 458.6	608.7 / 497.3	646.9 / 523.6
Declared EER_d 25°C			5.40 / 5.59	5.39 / 5.54	5.23 / 5.44
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	445.7 / 356.4	479.9 / 381.7	505.3 / 410.9
Declared EER_d 20°C			8.51 / 6.55	8.62 / 6.61	8.60 / 6.54
Sound Power Level LWA		dB(A)	91	93	93
Air flow rate		m³/h	296251	296251	296251
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	3.520	4.473	4.671
Standby Mode P_{SB}		kW	0.301	0.301	0.301
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF075TR-16GPPY, DCF080TR-17GPYY, DCF085TR-18GYYY

Ecodesign

	Notes:	Units	DCF075TR-16GPPY	DCF080TR-17GPYY	DCF085TR-18GYYY
SEPR	1,3,5		6.09	6.07	5.98
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	834294	900511	968516
Rated Refrigerant Capacity P_A	1,3,5	kW	685.9	738.3	781.2
Rated Power Input D_A		kW	232.5	252.0	270.3
Rated $EER_{DC,A}$			2.95	2.93	2.89
Declared Refrigerant Capacity P_B	1,3,5	kW	673.7 / 578.5	730.7 / 637.3	777.8 / 684.4
Declared Power Input D_B		kW	165.7 / 141.3	181.7 / 154.9	196.8 / 170.0
Declared $EER_{DC,B}$			4.07 / 4.09	4.02 / 4.11	3.95 / 4.03
Declared Refrigerant Capacity P_C	1,3,5	kW	628.0 / 501.8	691.9 / 587.2	741.9 / 641.0
Declared Power Input D_C		kW	118.3 / 92.0	129.7 / 109.3	142.4 / 119.8
Declared $EER_{DC,C}$			5.31 / 5.45	5.33 / 5.37	5.21 / 5.35
Declared Refrigerant Capacity P_D	1,3,5	kW	544.6 / 525.6	585.7 / 504.5	619.4 / 558.0
Declared Power Input D_D		kW	65.1 / 80.6	70.5 / 78.5	76.3 / 86.9
Declared $EER_{DC,D}$			8.36 / 6.52	8.30 / 6.42	8.12 / 6.42

SSCEE	2,3,5	%	162.3	162.5	159.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		690	743.3	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	685.9	738.3	n/a
Declared EER_d 35°C			2.95	2.93	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	673.7 / 578.5	730.7 / 637.3	n/a
Declared EER_d 30°C			4.07 / 4.09	4.02 / 4.11	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	628.0 / 501.8	691.9 / 587.2	n/a
Declared EER_d 25°C			5.31 / 5.45	5.33 / 5.37	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	544.6 / 525.6	585.7 / 504.5	n/a
Declared EER_d 20°C			8.52 / 6.52	8.46 / 6.42	n/a
Sound Power Level LWA		dB(A)	93	93	n/a
Air flow rate		m³/h	338572	359733	n/a
Off mode P_{OFF}		kW	0.169	0.169	n/a
Thermostat-off mode P_{TO}		kW	4.670	5.688	n/a
Standby Mode P_{SB}		kW	0.335	0.351	n/a
Crankcase heater mode P_{CK}		kW	0.000	0.000	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF088TR-19HYYV, DCF090TR-20HYVV, DCF095TR-21HVVV

Ecodesign

	Notes:	Units	DCF088TR-19HYYV	DCF090TR-20HYVV	DCF095TR-21HVVV
SEPR	1,3,5		6.03	6.10	6.24
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	984893	999319	1015476
Rated Refrigerant Capacity P_A	1,3,5	kW	801.9	822.4	855.4
Rated Power Input D_A		kW	273.7	276.9	282.3
Rated $EER_{DC,A}$			2.93	2.97	3.03
Declared Refrigerant Capacity P_B	1,3,5	kW	791.5 / 698.1	813.8 / 712.9	850.8 / 748.2
Declared Power Input D_B		kW	198.0 / 171.2	200.1 / 172.5	204.2 / 176.6
Declared $EER_{DC,B}$			4.00 / 4.08	4.07 / 4.13	4.17 / 4.24
Declared Refrigerant Capacity P_C	1,3,5	kW	754.9 / 654.3	770.6 / 670.0	810.7 / 700.0
Declared Power Input D_C		kW	143.0 / 120.4	143.9 / 121.4	147.5 / 124.2
Declared $EER_{DC,C}$			5.28 / 5.43	5.35 / 5.52	5.50 / 5.64
Declared Refrigerant Capacity P_D	1,3,5	kW	636.6 / 562.3	653.5 / 576.8	679.4 / 605.6
Declared Power Input D_D		kW	78.1 / 87.1	79.8 / 88.3	81.2 / 91.1
Declared $EER_{DC,D}$			8.16 / 6.46	8.19 / 6.53	8.37 / 6.65

SSCEE	2,3,5	%	162.6	166.2	168.5
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		806.8	826.8	860.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	801.9	822.4	855.4
Declared EER_d 35°C			2.93	2.97	3.03
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	791.5 / 698.1	813.8 / 712.9	850.8 / 748.2
Declared EER_d 30°C			4.00 / 4.08	4.07 / 4.13	4.17 / 4.24
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	754.9 / 654.3	770.6 / 670.0	810.7 / 700.0
Declared EER_d 25°C			5.28 / 5.43	5.35 / 5.52	5.50 / 5.64
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	636.6 / 562.3	653.5 / 576.8	679.4 / 605.6
Declared EER_d 20°C			8.31 / 6.46	8.35 / 6.53	8.52 / 6.65
Sound Power Level LWA		dB(A)	93	93	93
Air flow rate		m³/h	402054	423215	444376
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	5.710	5.140	5.844
Standby Mode P_{SB}		kW	0.373	0.378	0.383
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF098TR-21HVVW, DCF101TR-21HVWW, DCF103TR-21HWWW

Ecodesign

	Notes:	Units	DCF098TR-21HVVW	DCF101TR-21HVWW	DCF103TR-21HWWW
SEPR	1,3,5		6.19	6.13	6.06
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1061471	1108802	1154676
Rated Refrigerant Capacity P_A	1,3,5	kW	886.6	917.8	943.6
Rated Power Input D_A		kW	297.5	312.2	325.4
Rated $EER_{DC,A}$			2.98	2.94	2.9
Declared Refrigerant Capacity P_B	1,3,5	kW	874.4 / 771.8	908.7 / 795.3	937.9 / 825.3
Declared Power Input D_B		kW	212.1 / 184.4	224.7 / 192.3	235.6 / 203.3
Declared $EER_{DC,B}$			4.12 / 4.19	4.04 / 4.14	3.98 / 4.06
Declared Refrigerant Capacity P_C	1,3,5	kW	835.7 / 725.0	860.7 / 750.0	892.4 / 771.0
Declared Power Input D_C		kW	154.0 / 130.8	160.6 / 137.4	169.7 / 142.5
Declared $EER_{DC,C}$			5.43 / 5.54	5.36 / 5.46	5.26 / 5.41
Declared Refrigerant Capacity P_D	1,3,5	kW	703.9 / 619.0	728.4 / 646.3	749.7 / 670.2
Declared Power Input D_D		kW	84.0 / 93.8	86.9 / 98.9	90.5 / 102.6
Declared $EER_{DC,D}$			8.38 / 6.60	8.38 / 6.54	8.28 / 6.53

SSCEE	2,3,5	%	166.1	163.4	163.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		892.1	923.7	948.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	886.6	917.8	943.6
Declared EER_d 35°C			2.98	2.94	2.9
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	874.4 / 771.8	908.7 / 795.3	937.9 / 825.3
Declared EER_d 30°C			4.12 / 4.19	4.04 / 4.14	3.98 / 4.06
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	835.7 / 725.0	860.7 / 750.0	892.4 / 771.0
Declared EER_d 25°C			5.43 / 5.54	5.36 / 5.46	5.26 / 5.41
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	703.9 / 619.0	728.4 / 646.3	749.7 / 670.2
Declared EER_d 20°C			8.53 / 6.60	8.53 / 6.54	8.45 / 6.53
Sound Power Level LWA		dB(A)	94	95	95
Air flow rate		m³/h	444376	444376	444376
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	6.380	6.946	6.239
Standby Mode P_{SB}		kW	0.383	0.383	0.383
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF047DX-09DXY0, DCF049DX-09DPY0, DCF051DX-10DPV0

Ecodesign

	Notes:	Units	DCF047DX-09DXY0	DCF049DX-09DPY0	DCF051DX-10DPV0
SEPR	1,3,5		6.29	6.05	6.11
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	510387	546075	569498
Rated Refrigerant Capacity P_A	1,3,5	kW	433	445.6	469.7
Rated Power Input D_A		kW	163.4	169.4	172.7
Rated $EER_{DC,A}$			2.65	2.63	2.72
Declared Refrigerant Capacity P_B	1,3,5	kW	411.1 / 346.3	426.8 / 331.5	442.0 / 338.6
Declared Power Input D_B		kW	106.7 / 85.5	111.5 / 86.1	113.6 / 87.4
Declared $EER_{DC,B}$			3.85 / 4.05	3.83 / 3.85	3.89 / 3.88
Declared Refrigerant Capacity P_C	1,3,5	kW	376.7 / 274.4	469.1 / 365.6	485.0 / 373.3
Declared Power Input D_C		kW	71.6 / 50.3	93.6 / 72.2	95.1 / 73.2
Declared $EER_{DC,C}$			5.26 / 5.45	5.01 / 5.06	5.10 / 5.10
Declared Refrigerant Capacity P_D	1,3,5	kW	343.7 / 287.8	353.2 / 253.6	372.3 / 260.8
Declared Power Input D_D		kW	35.9 / 43.6	39.0 / 39.0	40.7 / 40.3
Declared $EER_{DC,D}$			9.57 / 6.61	9.06 / 6.50	9.14 / 6.48

SSCEE	2,3,5	%	161.0	152.3	153.3
SSCEE Tier	6		Tier 1 (2018)	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		435.7	448.8	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	433	445.6	n/a
Declared EER_d 35°C			2.65	2.63	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	411.1 / 346.3	426.8 / 331.5	n/a
Declared EER_d 30°C			3.85 / 4.05	3.83 / 3.85	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	376.7 / 274.4	469.1 / 365.6	n/a
Declared EER_d 25°C			5.26 / 5.45	5.01 / 5.06	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	343.7 / 287.8	353.2 / 253.6	n/a
Declared EER_d 20°C			9.76 / 6.61	9.23 / 6.50	n/a
Sound Power Level LWA		dB(A)			n/a
Air flow rate		m³/h	129520	129520	n/a
Off mode P_{OFF}		kW	0.157	0.157	n/a
Thermostat-off mode P_{TO}		kW	3.025	3.595	n/a
Standby Mode P_{SB}		kW	0.276	0.264	n/a
Crankcase heater mode P_{CK}		kW	0.000	0.000	n/a

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(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF053DX-10DYY0, DCF055DX-11DYV0, DCF058DX-12DVV0

Ecodesign

	Notes:	Units	DCF053DX-10DYY0	DCF055DX-11DYV0	DCF058DX-12DVV0
SEPR	1,3,5		6.50	6.60	6.38
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	504193	522682	618868
Rated Refrigerant Capacity P_A	1,3,5	kW	442.3	465.3	532.9
Rated Power Input D_A		kW	159.7	163.3	192.4
Rated $EER_{DC,A}$			2.77	2.85	2.77
Declared Refrigerant Capacity P_B	1,3,5	kW	420.3 / 349.5	435.5 / 364.6	512.2 / 419.2
Declared Power Input D_B		kW	103.9 / 84.1	105.9 / 86.1	129.2 / 100.7
Declared $EER_{DC,B}$			4.05 / 4.15	4.11 / 4.23	3.97 / 4.16
Declared Refrigerant Capacity P_C	1,3,5	kW	460.3 / 380.8	476.1 / 396.7	559.8 / 454.2
Declared Power Input D_C		kW	87.3 / 70.4	88.8 / 71.8	107.8 / 83.8
Declared $EER_{DC,C}$			5.27 / 5.41	5.36 / 5.52	5.19 / 5.42
Declared Refrigerant Capacity P_D	1,3,5	kW	351.4 / 289.1	369.5 / 296.2	423.5 / 356.6
Declared Power Input D_D		kW	35.5 / 43.0	37.0 / 44.1	44.6 / 54.5
Declared $EER_{DC,D}$			9.89 / 6.73	9.98 / 6.71	9.49 / 6.54

SSCEE	2,3,5	%	157.5	158.8	165.4
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	535.8
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	532.9
Declared EER_d 35°C			n/a	n/a	2.77
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	512.2 / 419.2
Declared EER_d 30°C			n/a	n/a	3.97 / 4.16
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	559.8 / 454.2
Declared EER_d 25°C			n/a	n/a	5.19 / 5.42
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	423.5 / 356.6
Declared EER_d 20°C			n/a	n/a	9.65 / 6.54
Sound Power Level LWA		dB(A)	n/a	n/a	
Air flow rate		m³/h	n/a	n/a	172694
Off mode P_{OFF}		kW	n/a	n/a	0.157
Thermostat-off mode P_{TO}		kW	n/a	n/a	3.328
Standby Mode P_{SB}		kW	n/a	n/a	0.291
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.000

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(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF062DX-12FVW0, DCF065DX-12FWW0, DCF069TX-13GPPY

Ecodesign

	Notes:	Units	DCF062DX-12FVW0	DCF065DX-12FWW0	DCF069TX-13GPPY
SEPR	1,3,5		6.35	6.23	6.02
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	663545	707429	785967
Rated Refrigerant Capacity P_A	1,3,5	kW	568.7	594.4	638.6
Rated Power Input D_A		kW	209.9	226.0	242.8
Rated $EER_{DC,A}$			2.71	2.63	2.63
Declared Refrigerant Capacity P_B	1,3,5	kW	547.2 / 452.8	577.6 / 476.3	646.8 / 553.3
Declared Power Input D_B		kW	138.2 / 109.5	151.8 / 117.5	172.4 / 147.1
Declared $EER_{DC,B}$			3.96 / 4.13	3.81 / 4.05	3.75 / 3.76
Declared Refrigerant Capacity P_C	1,3,5	kW	600.0 / 492.4	518.4 / 392.2	610.6 / 491.1
Declared Power Input D_C		kW	115.8 / 91.7	98.5 / 72.9	123.0 / 95.1
Declared $EER_{DC,C}$			5.18 / 5.37	5.26 / 5.38	4.96 / 5.16
Declared Refrigerant Capacity P_D	1,3,5	kW	451.4 / 382.0	471.6 / 411.1	507.0 / 386.4
Declared Power Input D_D		kW	47.8 / 57.8	50.5 / 63.2	56.1 / 59.1
Declared $EER_{DC,D}$			9.45 / 6.61	9.34 / 6.50	9.05 / 6.54

SSCEE	2,3,5	%	163.3	159.1	153.7
SSCEE Tier	6		Tier 1 (2018)	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		572.2	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	568.7	n/a	n/a
Declared EER_d 35°C			2.71	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	547.2 / 452.8	n/a	n/a
Declared EER_d 30°C			3.96 / 4.13	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	600.0 / 492.4	n/a	n/a
Declared EER_d 25°C			5.18 / 5.37	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	451.4 / 382.0	n/a	n/a
Declared EER_d 20°C			9.61 / 6.61	n/a	n/a
Sound Power Level LWA		dB(A)		n/a	n/a
Air flow rate		m³/h	172694	n/a	n/a
Off mode P_{OFF}		kW	0.157	n/a	n/a
Thermostat-off mode P_{TO}		kW	4.096	n/a	n/a
Standby Mode P_{SB}		kW	0.291	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.000	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
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Technical Data

DCF075TX-14GPYY, DCF079TX-15GYYY, DCF082TX-16HYYV

Ecodesign

	Notes:	Units	DCF075TX-14GPYY	DCF079TX-15GYYY	DCF082TX-16HYYV
SEPR	1,3,5		5.99	6.02	6.10
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	851144	899871	916721
Rated Refrigerant Capacity P_A	1,3,5	kW	688.2	730.7	754.7
Rated Power Input D_A		kW	261.7	280.0	282.7
Rated $EER_{DC,A}$			2.63	2.61	2.67
Declared Refrigerant Capacity P_B	1,3,5	kW	702.4 / 619.3	749.5 / 666.5	764.4 / 681.2
Declared Power Input D_B		kW	188.3 / 159.9	203.3 / 174.9	204.5 / 176.1
Declared $EER_{DC,B}$			3.73 / 3.87	3.69 / 3.81	3.74 / 3.87
Declared Refrigerant Capacity P_C	1,3,5	kW	678.2 / 575.2	633.9 / 530.9	742.7 / 647.7
Declared Power Input D_C		kW	134.0 / 112.7	122.9 / 101.6	147.2 / 123.5
Declared $EER_{DC,C}$			5.06 / 5.10	5.16 / 5.23	5.05 / 5.24
Declared Refrigerant Capacity P_D	1,3,5	kW	546.0 / 498.7	579.4 / 558.5	599.2 / 562.6
Declared Power Input D_D		kW	62.4 / 80.3	65.8 / 87.5	67.1 / 87.7
Declared $EER_{DC,D}$			8.76 / 6.21	8.80 / 6.39	8.93 / 6.41

SSCEE	2,3,5	%	154.9	154.8	158.1
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a
Sound Power Level LWA		dB(A)	n/a	n/a	n/a
Air flow rate		m³/h	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a

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(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
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Technical Data

DCF085TX-17HYVV, DCF089TX-18HVVV, DCF092TX-18HVVW

Ecodesign

	Notes:	Units	DCF085TX-17HYVV	DCF089TX-18HVVV	DCF092TX-18HVVW
SEPR	1,3,5		6.14	6.37	6.32
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	938822	943301	981226
Rated Refrigerant Capacity P_A	1,3,5	kW	777.4	811.2	837.2
Rated Power Input D_A		kW	285.8	290.8	305.5
Rated $EER_{DC,A}$			2.72	2.79	2.74
Declared Refrigerant Capacity P_B	1,3,5	kW	789.2 / 695.9	827.7 / 733.4	851.2 / 756.9
Declared Power Input D_B		kW	206.6 / 178.1	210.1 / 181.4	217.2 / 188.6
Declared $EER_{DC,B}$			3.82 / 3.91	3.94 / 4.04	3.92 / 4.01
Declared Refrigerant Capacity P_C	1,3,5	kW	758.2 / 663.1	799.7 / 692.5	825.3 / 718.2
Declared Power Input D_C		kW	148.7 / 125.0	151.7 / 127.6	157.7 / 133.6
Declared $EER_{DC,C}$			5.10 / 5.31	5.27 / 5.43	5.23 / 5.38
Declared Refrigerant Capacity P_D	1,3,5	kW	617.1 / 576.4	643.6 / 605.2	664.7 / 619.5
Declared Power Input D_D		kW	69.3 / 89.5	68.5 / 92.1	71.2 / 94.0
Declared $EER_{DC,D}$			8.90 / 6.44	9.40 / 6.57	9.34 / 6.59

SSCEE	2,3,5	%	159.0	161.9	162.5
SSCEE Tier	6		Not Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	816.6	842.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	811.2	837.2
Declared EER_d 35°C			n/a	2.79	2.74
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	827.7 / 733.4	851.2 / 756.9
Declared EER_d 30°C			n/a	3.94 / 4.04	3.92 / 4.01
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	799.7 / 692.5	825.3 / 718.2
Declared EER_d 25°C			n/a	5.27 / 5.43	5.23 / 5.38
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	643.6 / 605.2	664.7 / 619.5
Declared EER_d 20°C			n/a	9.59 / 6.57	9.60 / 6.59
Sound Power Level LWA		dB(A)	n/a		
Air flow rate		m³/h	n/a	259041	259041
Off mode P_{OFF}		kW	n/a	0.169	0.169
Thermostat-off mode P_{TO}		kW	n/a	6.198	5.842
Standby Mode P_{SB}		kW	n/a	0.368	0.368
Crankcase heater mode P_{CK}		kW	n/a	0.000	0.000

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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF098TR-21HVVW, DCF101TR-21HVWW, DCF103TR-21HWWW

Ecodesign

	Notes:	Units	DCF094TX-18HVWW	DCF096TX-18HWWW	DCF049DX-11DXY0
SEPR	1,3,5		6.21	6.12	6.59
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1028346	1068948	507401
Rated Refrigerant Capacity P_A	1,3,5	kW	862.5	883.1	451.4
Rated Power Input D_A		kW	321.8	337.1	156.2
Rated $EER_{DC,A}$			2.68	2.62	2.89
Declared Refrigerant Capacity P_B	1,3,5	kW	880.9 / 779.7	905.6 / 805.1	422.1 / 351.2
Declared Power Input D_B		kW	230.7 / 196.5	242.7 / 208.6	102.7 / 83.0
Declared $EER_{DC,B}$			3.82 / 3.97	3.73 / 3.86	4.11 / 4.23
Declared Refrigerant Capacity P_C	1,3,5	kW	850.2 / 743.1	878.8 / 763.9	461.2 / 381.9
Declared Power Input D_C		kW	164.5 / 140.4	174.1 / 145.8	86.2 / 69.2
Declared $EER_{DC,C}$			5.17 / 5.29	5.05 / 5.24	5.35 / 5.51
Declared Refrigerant Capacity P_D	1,3,5	kW	684.6 / 646.9	701.7 / 670.6	358.5 / 287.7
Declared Power Input D_D		kW	74.9 / 99.2	77.9 / 103.3	35.9 / 43.1
Declared $EER_{DC,D}$			9.14 / 6.52	9.01 / 6.49	9.99 / 6.68

SSCEE	2,3,5	%	159.8	159.8	167.6
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	n/a	454.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	451.4
Declared EER_d 35°C			n/a	n/a	2.89
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	422.1 / 351.2
Declared EER_d 30°C			n/a	n/a	4.11 / 4.23
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	461.2 / 381.9
Declared EER_d 25°C			n/a	n/a	5.35 / 5.51
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	358.5 / 287.7
Declared EER_d 20°C			n/a	n/a	10.16 / 6.68
Sound Power Level LWA		dB(A)	n/a	n/a	
Air flow rate		m³/h	n/a	n/a	158303
Off mode P_{OFF}		kW	n/a	n/a	0.157
Thermostat-off mode P_{TO}		kW	n/a	n/a	3.026
Standby Mode P_{SB}		kW	n/a	n/a	0.286
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.000

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(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF051DX-11DPY0, DCF053DX-12DPV0, DCF055DX-12DYY0

Ecodesign

	Notes:	Units	DCF051DX-11DPY0	DCF053DX-12DPV0	DCF055DX-12DYY0
SEPR	1,3,5		6.45	6.50	6.35
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	535854	556134	589523
Rated Refrigerant Capacity P_A	1,3,5	kW	466.4	487.8	505.5
Rated Power Input D_A		kW	161.4	165.4	178.6
Rated $EER_{DC,A}$			2.89	2.95	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	438.9 / 341.7	552.3 / 453.4	482.6 / 393.7
Declared Power Input D_B		kW	107.1 / 82.6	136.6 / 109.3	121.3 / 94.8
Declared $EER_{DC,B}$			4.10 / 4.14	4.04 / 4.15	3.98 / 4.15
Declared Refrigerant Capacity P_C	1,3,5	kW	480.2 / 375.0	495.9 / 382.5	527.0 / 427.0
Declared Power Input D_C		kW	90.0 / 69.5	91.8 / 70.6	101.7 / 79.2
Declared $EER_{DC,C}$			5.33 / 5.39	5.40 / 5.42	5.18 / 5.39
Declared Refrigerant Capacity P_D	1,3,5	kW	369.8 / 253.5	386.8 / 260.7	401.3 / 334.3
Declared Power Input D_D		kW	38.3 / 38.9	39.8 / 40.1	42.6 / 51.8
Declared $EER_{DC,D}$			9.66 / 6.51	9.72 / 6.49	9.42 / 6.46

SSCEE	2,3,5	%	161.0	161.5	163.3
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		469.7	491.4	508.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	466.4	487.8	505.5
Declared EER_d 35°C			2.89	2.95	2.83
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	438.9 / 341.7	552.3 / 453.4	482.6 / 393.7
Declared EER_d 30°C			4.10 / 4.14	4.04 / 4.15	3.98 / 4.15
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	480.2 / 375.0	495.9 / 382.5	527.0 / 427.0
Declared EER_d 25°C			5.33 / 5.39	5.40 / 5.42	5.18 / 5.39
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	369.8 / 253.5	386.8 / 260.7	401.3 / 334.3
Declared EER_d 20°C			9.82 / 6.51	9.90 / 6.49	9.57 / 6.46
Sound Power Level LWA		dB(A)			
Air flow rate		m³/h	158303	172694	172694
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	3.678	3.970	3.593
Standby Mode P_{SB}		kW	0.274	0.279	0.291
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF057DX-13DYV0, DCF060DX-14DVV0, DCF064DX-14FVW0

Ecodesign

	Notes:	Units	DCF057DX-13DYV0	DCF060DX-14DVV0	DCF064DX-14FVW0
SEPR	1,3,5		6.49	6.56	6.56
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	601768	619367	663791
Rated Refrigerant Capacity P_A	1,3,5	kW	527.4	548.7	587.3
Rated Power Input D_A		kW	181.9	186.0	201.8
Rated $EER_{DC,A}$			2.9	2.95	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	497.6 / 408.6	521.2 / 423.0	557.9 / 457.9
Declared Power Input D_B		kW	122.7 / 96.3	125.6 / 98.3	134.5 / 107.0
Declared $EER_{DC,B}$			4.05 / 4.25	4.15 / 4.30	4.15 / 4.28
Declared Refrigerant Capacity P_C	1,3,5	kW	543.2 / 443.2	567.6 / 458.8	608.7 / 497.3
Declared Power Input D_C		kW	102.7 / 80.2	105.0 / 81.9	112.7 / 89.4
Declared $EER_{DC,C}$			5.29 / 5.52	5.41 / 5.60	5.40 / 5.56
Declared Refrigerant Capacity P_D	1,3,5	kW	419.3 / 342.0	436.1 / 356.6	466.3 / 381.9
Declared Power Input D_D		kW	43.4 / 52.3	45.2 / 54.2	48.2 / 57.5
Declared $EER_{DC,D}$			9.66 / 6.54	9.64 / 6.57	9.68 / 6.64

SSCEE	2,3,5	%	168.0	17%.1	168.0
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		530.1	551.6	590.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	527.4	548.7	587.3
Declared EER_d 35°C			2.9	2.95	2.91
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	497.6 / 408.6	521.2 / 423.0	557.9 / 457.9
Declared EER_d 30°C			4.05 / 4.25	4.15 / 4.30	4.15 / 4.28
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	543.2 / 443.2	567.6 / 458.8	608.7 / 497.3
Declared EER_d 25°C			5.29 / 5.52	5.41 / 5.60	5.40 / 5.56
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	419.3 / 342.0	436.1 / 356.6	466.3 / 381.9
Declared EER_d 20°C			9.82 / 6.54	9.79 / 6.57	9.82 / 6.64
Sound Power Level LWA		dB(A)			
Air flow rate		m³/h	187085	201476	201476
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	3.144	3.342	4.167
Standby Mode P_{SB}		kW	0.296	0.301	0.301
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF047DX-09DXY0, DCF049DX-09DPY0, DCF051DX-10DPV0

Ecodesign

	Notes:	Units	DCF068DX-14FWW0	DCF073TX-16GPPY	DCF078TX-17GPYY
SEPR	1,3,5		6.43	6.49	6.40
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	709207	761782	830483
Rated Refrigerant Capacity P_A	1,3,5	kW	615.2	667.5	717.3
Rated Power Input D_A		kW	217.4	231.8	250.8
Rated $EER_{DC,A}$			2.83	2.88	2.86
Declared Refrigerant Capacity P_B	1,3,5	kW	590.3 / 482.6	667.3 / 572.2	723.1 / 634.0
Declared Power Input D_B		kW	146.9 / 114.8	164.8 / 140.5	180.7 / 154.2
Declared $EER_{DC,B}$			4.02 / 4.20	4.05 / 4.07	4.00 / 4.11
Declared Refrigerant Capacity P_C	1,3,5	kW	645.4 / 523.4	627.7 / 501.7	691.8 / 587.1
Declared Power Input D_C		kW	123.0 / 95.8	118.0 / 91.7	129.3 / 108.9
Declared $EER_{DC,C}$			5.25 / 5.46	5.32 / 5.47	5.35 / 5.39
Declared Refrigerant Capacity P_D	1,3,5	kW	488.4 / 411.2	530.2 / 525.8	569.2 / 504.8
Declared Power Input D_D		kW	51.3 / 62.5	53.6 / 80.4	59.9 / 78.2
Declared $EER_{DC,D}$			9.52 / 6.58	9.89 / 6.54	9.50 / 6.46

SSCEE	2,3,5	%	164.9	162.5	162.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		619.1	671.3	722
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	615.2	667.5	717.3
Declared EER_d 35°C			2.83	2.88	2.86
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	590.3 / 482.6	667.3 / 572.2	723.1 / 634.0
Declared EER_d 30°C			4.02 / 4.20	4.05 / 4.07	4.00 / 4.11
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	645.4 / 523.4	627.7 / 501.7	691.8 / 587.1
Declared EER_d 25°C			5.25 / 5.46	5.32 / 5.47	5.35 / 5.39
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	488.4 / 411.2	530.2 / 525.8	569.2 / 504.8
Declared EER_d 20°C			9.68 / 6.58	10.10 / 6.54	9.82 / 6.46
Sound Power Level LWA		dB(A)			
Air flow rate		m³/h	201476	230259	244650
Off mode P_{OFF}		kW	0.157	0.169	0.169
Thermostat-off mode P_{TO}		kW	4.295	4.374	5.300
Standby Mode P_{SB}		kW	0.301	0.335	0.351
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF082TX-18GYYY, DCF085TX-19HYYV, DCF088TX-20HYVV

Ecodesign

	Notes:	Units	DCF082TX-18GYYY	DCF085TX-19HYYV	DCF088TX-20HYVV
SEPR	1,3,5		6.35	6.43	6.47
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	886243	900805	919440
Rated Refrigerant Capacity P_A	1,3,5	kW	759.2	781.4	802.5
Rated Power Input D_A		kW	268.3	271.3	275.8
Rated $EER_{DC,A}$			2.83	2.88	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	769.6 / 680.4	783.3 / 694.1	806.4 / 708.1
Declared Power Input D_B		kW	195.8 / 169.3	197.0 / 170.5	199.9 / 172.6
Declared $EER_{DC,B}$			3.93 / 4.02	3.98 / 4.07	4.03 / 4.10
Declared Refrigerant Capacity P_C	1,3,5	kW	741.6 / 641.4	754.6 / 654.6	769.6 / 669.5
Declared Power Input D_C		kW	141.9 / 119.4	142.6 / 120.1	144.3 / 121.8
Declared $EER_{DC,C}$			5.23 / 5.37	5.29 / 5.45	5.33 / 5.50
Declared Refrigerant Capacity P_D	1,3,5	kW	602.2 / 558.4	620.5 / 562.6	637.1 / 576.4
Declared Power Input D_D		kW	63.7 / 86.5	64.7 / 86.8	66.3 / 88.7
Declared $EER_{DC,D}$			9.46 / 6.46	9.59 / 6.48	9.61 / 6.49

SSCEE	2,3,5	%	0.2	163.3	163.9
SSCEE Tier	6		Not Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		n/a	786.1	807.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	781.4	802.5
Declared EER_d 35°C			n/a	2.88	2.91
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	783.3 / 694.1	806.4 / 708.1
Declared EER_d 30°C			n/a	3.98 / 4.07	4.03 / 4.10
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	754.6 / 654.6	769.6 / 669.5
Declared EER_d 25°C			n/a	5.29 / 5.45	5.33 / 5.50
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	620.5 / 562.6	637.1 / 576.4
Declared EER_d 20°C			n/a	9.80 / 6.48	9.82 / 6.49
Sound Power Level LWA		dB(A)	n/a		
Air flow rate		m³/h	n/a	273432	287823
Off mode P_{OFF}		kW	n/a	0.169	0.169
Thermostat-off mode P_{TO}		kW	n/a	5.359	5.614
Standby Mode P_{SB}		kW	n/a	0.373	0.378
Crankcase heater mode P_{CK}		kW	n/a	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF092TX-21HVVV, DCF095TX-21HVVW, DCF097TX-21HVWW

Ecodesign

	Notes:	Units	DCF092TX-21HVVV	DCF095TX-21HVVW	DCF097TX-21HVWW
SEPR	1,3,5		6.69	6.61	6.49
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	925992	967538	1017614
Rated Refrigerant Capacity P_A	1,3,5	kW	836.3	863.5	890.7
Rated Power Input D_A		kW	279.7	295.7	310.3
Rated $EER_{DC,A}$			2.99	2.92	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	844.9 / 745.2	868.7 / 769.0	900.1 / 792.7
Declared Power Input D_B		kW	203.3 / 175.9	211.1 / 183.7	223.6 / 191.5
Declared $EER_{DC,B}$			4.16 / 4.24	4.12 / 4.19	4.03 / 4.14
Declared Refrigerant Capacity P_C	1,3,5	kW	811.0 / 700.3	835.8 / 725.1	860.6 / 749.9
Declared Power Input D_C		kW	147.2 / 124.0	153.6 / 130.4	160.1 / 136.9
Declared $EER_{DC,C}$			5.51 / 5.65	5.44 / 5.56	5.37 / 5.48
Declared Refrigerant Capacity P_D	1,3,5	kW	664.3 / 605.8	685.7 / 619.4	707.1 / 646.7
Declared Power Input D_D		kW	66.4 / 90.9	69.1 / 93.4	73.3 / 98.5
Declared $EER_{DC,D}$			10.01 / 6.67	9.93 / 6.63	9.65 / 6.57

SSCEE	2,3,5	%	169.2	167.0	164.3
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		841	868.6	896.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	836.3	863.5	890.7
Declared EER_d 35°C			2.99	2.92	2.87
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	844.9 / 745.2	868.7 / 769.0	900.1 / 792.7
Declared EER_d 30°C			4.16 / 4.24	4.12 / 4.19	4.03 / 4.14
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	811.0 / 700.3	835.8 / 725.1	860.6 / 749.9
Declared EER_d 25°C			5.51 / 5.65	5.44 / 5.56	5.37 / 5.48
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	664.3 / 605.8	685.7 / 619.4	707.1 / 646.7
Declared EER_d 20°C			10.20 / 6.67	10.12 / 6.63	9.98 / 6.57
Sound Power Level LWA		dB(A)			
Air flow rate		m³/h	302214	302214	302214
Off mode P_{OFF}		kW	0.169	0.169	0.169
Thermostat-off mode P_{TO}		kW	5.531	5.981	6.453
Standby Mode P_{SB}		kW	0.383	0.383	0.383
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF099TX-21HWWW, DCF050DX-13DXY0, DCF053DX-13DPY0

Ecodesign

	Notes:	Units	DCF099TX-21HWWW	DCF050DX-13DXY0	DCF053DX-13DPY0
SEPR	1,3,5		6.41	6.77	6.68
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1054629	507911	532434
Rated Refrigerant Capacity P_A	1,3,5	kW	913	464.1	480.1
Rated Power Input D_A		kW	323.8	151.7	156.9
Rated $EER_{DC,A}$			2.82	3.06	3.06
Declared Refrigerant Capacity P_B	1,3,5	kW	926.4 / 819.7	522.5 / 429.3	541.0 / 446.8
Declared Power Input D_B		kW	234.6 / 202.6	125.8 / 100.3	130.0 / 104.3
Declared $EER_{DC,B}$			3.95 / 4.05	4.15 / 4.28	4.16 / 4.28
Declared Refrigerant Capacity P_C	1,3,5	kW	891.6 / 771.4	466.6 / 385.7	486.4 / 379.7
Declared Power Input D_C		kW	169.1 / 142.1	83.7 / 67.5	87.5 / 67.7
Declared $EER_{DC,C}$			5.27 / 5.43	5.57 / 5.71	5.56 / 5.61
Declared Refrigerant Capacity P_D	1,3,5	kW	725.6 / 670.6	368.6 / 287.7	380.8 / 253.5
Declared Power Input D_D		kW	75.7 / 102.2	36.5 / 42.9	38.5 / 38.9
Declared $EER_{DC,D}$			9.59 / 6.56	10.10 / 6.70	9.90 / 6.52

SSCEE	2,3,5	%	164.7	172.3	167.0
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		917.9	466.7	483.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	913	464.1	480.1
Declared EER_d 35°C			2.82	3.06	3.06
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	926.4 / 819.7	522.5 / 429.3	541.0 / 446.8
Declared EER_d 30°C			3.95 / 4.05	4.15 / 4.28	4.16 / 4.28
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	891.6 / 771.4	466.6 / 385.7	486.4 / 379.7
Declared EER_d 25°C			5.27 / 5.43	5.57 / 5.71	5.56 / 5.61
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	725.6 / 670.6	368.6 / 287.7	380.8 / 253.5
Declared EER_d 20°C			9.79 / 6.56	10.26 / 6.70	10.06 / 6.52
Sound Power Level LWA		dB(A)			
Air flow rate		m³/h	302214	187085	187085
Off mode P_{OFF}		kW	0.169	0.157	0.157
Thermostat-off mode P_{TO}		kW	5.755	3.045	3.741
Standby Mode P_{SB}		kW	0.383	0.296	0.284
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF055DX-14DPV0, DCF057DX-14DYY0, DCF059DX-15DYV0

Ecodesign

	Notes:	Units	DCF055DX-14DPV0	DCF057DX-14DYY0	DCF059DX-15DYV0
SEPR	1,3,5		6.72	6.59	6.65
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	552295	584367	602108
Rated Refrigerant Capacity P_A	1,3,5	kW	500.6	519.7	540.1
Rated Power Input D_A		kW	161.0	172.7	177.1
Rated $EER_{DC,A}$			3.11	3.01	3.05
Declared Refrigerant Capacity P_B	1,3,5	kW	563.9 / 461.3	491.2 / 397.9	505.4 / 412.1
Declared Power Input D_B		kW	133.3 / 106.7	117.6 / 92.1	119.9 / 94.4
Declared $EER_{DC,B}$			4.23 / 4.32	4.18 / 4.32	4.22 / 4.37
Declared Refrigerant Capacity P_C	1,3,5	kW	501.8 / 387.3	533.8 / 431.5	549.1 / 446.8
Declared Power Input D_C		kW	89.4 / 68.8	98.4 / 76.7	100.2 / 78.5
Declared $EER_{DC,C}$			5.61 / 5.63	5.42 / 5.62	5.48 / 5.69
Declared Refrigerant Capacity P_D	1,3,5	kW	396.9 / 260.7	413.2 / 334.9	429.4 / 342.0
Declared Power Input D_D		kW	39.9 / 40.1	42.7 / 50.9	44.1 / 52.1
Declared $EER_{DC,D}$			9.94 / 6.49	9.68 / 6.58	9.75 / 6.57

SSCEE	2,3,5	%	167.1	171.6	172.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		504.2	522.2	542.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	500.6	519.7	540.1
Declared EER_d 35°C			3.11	3.01	3.05
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	563.9 / 461.3	491.2 / 397.9	505.4 / 412.1
Declared EER_d 30°C			4.23 / 4.32	4.18 / 4.32	4.22 / 4.37
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	501.8 / 387.3	533.8 / 431.5	549.1 / 446.8
Declared EER_d 25°C			5.61 / 5.63	5.42 / 5.62	5.48 / 5.69
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	396.9 / 260.7	413.2 / 334.9	429.4 / 342.0
Declared EER_d 20°C			10.10 / 6.49	9.83 / 6.58	9.90 / 6.57
Sound Power Level LWA		dB(A)			
Air flow rate		m³/h	201476	201476	215867
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	4.049	2.940	3.161
Standby Mode P_{SB}		kW	0.289	0.301	0.306
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
(2) Nominal conditions as stated in EU 2016/2281 Table 21
(3) Performance data (Nett) is supplied in accordance with EN14511-1:2013.
(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF061DX-16DVV0, DCF066DX-16FVW0, DCF069DX-16FWW0

Ecodesign

	Notes:	Units	DCF061DX-16DVV0	DCF066DX-16FVW0	DCF069DX-16FWW0
SEPR	1,3,5		6.68	6.69	6.58
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	621416	666062	709760
Rated Refrigerant Capacity P_A	1,3,5	kW	560.5	601.2	630.7
Rated Power Input D_A		kW	181.4	197.1	211.6
Rated $EER_{DC,A}$			3.09	3.05	2.98
Declared Refrigerant Capacity P_B	1,3,5	kW	528.1 / 426.3	565.3 / 461.5	599.2 / 486.3
Declared Power Input D_B		kW	123.1 / 96.6	131.8 / 105.1	143.5 / 112.5
Declared $EER_{DC,B}$			4.29 / 4.41	4.29 / 4.39	4.17 / 4.32
Declared Refrigerant Capacity P_C	1,3,5	kW	572.4 / 462.2	614.4 / 501.5	653.4 / 528.2
Declared Power Input D_C		kW	102.6 / 80.3	110.2 / 87.7	120.3 / 94.0
Declared $EER_{DC,C}$			5.58 / 5.75	5.57 / 5.72	5.43 / 5.62
Declared Refrigerant Capacity P_D	1,3,5	kW	445.5 / 356.6	477.4 / 381.8	500.8 / 411.2
Declared Power Input D_D		kW	46.1 / 54.1	49.1 / 57.4	51.9 / 62.2
Declared $EER_{DC,D}$			9.66 / 6.59	9.73 / 6.65	9.65 / 6.61

SSCEE	2,3,5	%	173.8	171.7	168.7
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		563.3	604.8	634.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	560.5	601.2	630.7
Declared EER_d 35°C			3.09	3.05	2.98
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	528.1 / 426.3	565.3 / 461.5	599.2 / 486.3
Declared EER_d 30°C			4.29 / 4.41	4.29 / 4.39	4.17 / 4.32
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	572.4 / 462.2	614.4 / 501.5	653.4 / 528.2
Declared EER_d 25°C			5.58 / 5.75	5.57 / 5.72	5.43 / 5.62
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	445.5 / 356.6	477.4 / 381.8	500.8 / 411.2
Declared EER_d 20°C			9.80 / 6.59	9.87 / 6.65	9.79 / 6.61
Sound Power Level LWA		dB(A)			
Air flow rate		m³/h	230259	230259	230259
Off mode P_{OFF}		kW	0.157	0.157	0.157
Thermostat-off mode P_{TO}		kW	3.372	4.244	4.344
Standby Mode P_{SB}		kW	0.311	0.311	0.311
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(5) All performance data based upon standard waterside configuration.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

DCF074TX-19GPPY, DCF079TX-20GPYY

Ecodesign

	Notes:	Units	DCF074TX-19GPPY	DCF079TX-20GPYY
SEPR	1,3,5		6.75	6.62
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	754231	825087
Rated Refrigerant Capacity P_A	1,3,5	kW	687.1	737.7
Rated Power Input D_A		kW	224.5	243.5
Rated $EER_{DC,A}$			3.06	3.03
Declared Refrigerant Capacity P_B	1,3,5	kW	680.8 / 584.7	737.2 / 643.7
Declared Power Input D_B		kW	160.4 / 136.7	176.0 / 150.5
Declared $EER_{DC,B}$			4.25 / 4.28	4.19 / 4.28
Declared Refrigerant Capacity P_C	1,3,5	kW	636.0 / 507.4	699.8 / 593.7
Declared Power Input D_C		kW	114.5 / 89.3	125.9 / 106.1
Declared $EER_{DC,C}$			5.56 / 5.68	5.56 / 5.59
Declared Refrigerant Capacity P_D	1,3,5	kW	545.8 / 526.3	585.4 / 505.8
Declared Power Input D_D		kW	53.4 / 79.0	59.9 / 76.8
Declared $EER_{DC,D}$			10.21 / 6.66	9.77 / 6.59

SSCEE	2,3,5	%	168.5	167.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		691	742.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	687.1	737.7
Declared EER_d 35°C			3.06	3.03
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	680.8 / 584.7	737.2 / 643.7
Declared EER_d 30°C			4.25 / 4.28	4.19 / 4.28
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	636.0 / 507.4	699.8 / 593.7
Declared EER_d 25°C			5.56 / 5.68	5.56 / 5.59
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	545.8 / 526.3	585.4 / 505.8
Declared EER_d 20°C			10.42 / 6.66	10.18 / 6.59
Sound Power Level LWA		dB(A)		
Air flow rate		m³/h	273432	287823
Off mode P_{OFF}		kW	0.169	0.169
Thermostat-off mode P_{TO}		kW	4.413	5.378
Standby Mode P_{SB}		kW	0.350	0.366
Crankcase heater mode P_{CK}		kW	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(4) Performance data (Gross) is supplied excluding absorbed pump power as per EN14511-1:2013.
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Technical Data

DCF084TX-21GYYY, DCF087TX-22HYYV

Ecodesign

	Notes:	Units	DCF084TX-21GYYY	DCF087TX-22HYYV
SEPR	1,3,5		6.56	6.64
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	879996	893367
Rated Refrigerant Capacity P_A	1,3,5	kW	779.6	800.7
Rated Power Input D_A		kW	260.7	264.3
Rated $EER_{DC,A}$			2.99	3.03
Declared Refrigerant Capacity P_B	1,3,5	kW	783.6 / 690.1	796.9 / 703.4
Declared Power Input D_B		kW	190.9 / 165.4	192.2 / 166.7
Declared $EER_{DC,B}$			4.10 / 4.17	4.15 / 4.22
Declared Refrigerant Capacity P_C	1,3,5	kW	749.6 / 647.1	762.0 / 659.8
Declared Power Input D_C		kW	138.4 / 116.8	139.2 / 117.6
Declared $EER_{DC,C}$			5.41 / 5.54	5.47 / 5.61
Declared Refrigerant Capacity P_D	1,3,5	kW	618.3 / 558.3	635.9 / 562.5
Declared Power Input D_D		kW	63.1 / 86.1	64.0 / 86.4
Declared $EER_{DC,D}$			9.79 / 6.48	9.93 / 6.51

SSCEE	2,3,5	%	163.8	167.3
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		784.9	805.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	779.6	800.7
Declared EER_d 35°C			2.99	3.03
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	783.6 / 690.1	796.9 / 703.4
Declared EER_d 30°C			4.10 / 4.17	4.15 / 4.22
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	749.6 / 647.1	762.0 / 659.8
Declared EER_d 25°C			5.41 / 5.54	5.47 / 5.61
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	618.3 / 558.3	635.9 / 562.5
Declared EER_d 20°C			9.98 / 6.48	10.13 / 6.51
Sound Power Level LWA		dB(A)		
Air flow rate		m³/h	302214	316606
Off mode P_{OFF}		kW	0.169	0.169
Thermostat-off mode P_{TO}		kW	6.129	5.466
Standby Mode P_{SB}		kW	0.383	0.388
Crankcase heater mode P_{CK}		kW	0.000	0.000

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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(6) Please contact Airedale regarding Non Compliant selections

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