Airedale by MODINE

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

Technical Manual
Original Instructions

ecoDesign COMPLIANT

CE

bsi. ISO 9001 Quality Management FM00542 ISO 14001 Environmental Management EMS52086

Special Precautions

The guidance in this manual must be followed to provide safe, efficient and trouble-free operation. In addition, particular care must be exercised regarding the special precautions listed below. Failure to properly address these critical areas could result in property damage or loss, personal injury or death. These instructions are subject to any additional restrictive local or national codes.

Hazard Intensity Levels

1. **DANGER:** Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.
2. **WARNING:** Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.
3. **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.
4. **IMPORTANT:** Indicates a situation which, if not avoided, MAY result in a potential safety concern.
5. **NOTE:** Indicates information that is not a safety concern but may invalidate warranty if not adhered to.

⚠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.
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.
Do not connect any services until all anti vibration mounts have been fully adjusted.
Mountings must be adjusted incrementally in turn. Do not fully adjust 1 mount at a time as this may overload and damage springs. Do not connect any services until all anti vibration mounts have been fully adjusted.
The standard installation recommendations should be adhered to. Failure to do this may invalidate the chiller warranty.
Full design water flow MUST be maintained at all times. Variable water volume is NOT recommended and will invalidate warranty. The correct operation of the flow proving device is critical if the Chiller warranty is to be valid.
Failure to install both safety devices will invalidate the chiller warranty.
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.

⚠IMPORTANT
The water flow switch or pump interlock must be fitted in addition to the flow proving device to validate warranty.
The Installation information is for general guidance; please refer to the certified drawings provided for installation.
The unit water connections are NOT designed to support external pipe work, pipe work MUST be supported separately.
The equipment and system should be kept clean and free of solid, scale, corrosion and biological fouling. Failure to do so may invalidate the warranty.
The Water Treatment Guidelines do not give exhaustive list of all the substances found in plant items produced by Airedale and specific advice should be sought for individual items of equipment or specific applications, if required.
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.
The plugged termination ensures that the connections are made simultaneously. Failure to attach the cables this way may cause damage to the controller.

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

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.

Dangerous Substances and Explosive Atmospheres Regulations

The completion of a DSEAR (Dangerous Substances and Explosive Atmospheres Regulations) risk assessment must be completed as a legal requirement by the employer of the business where this equipment will be installed. This is not the responsibility of Airedale International Air Conditioning Ltd to undertake as the manufacturer of the equipment.

Environmental Considerations

Freeze Protection

The instructions below must be followed to protect the unit during low temperature operation in both the ON and OFF state.

An appropriate concentration of glycol(1) is required when the unit is operating with a supply water temperature set point of <=+5°C or if the evaporating temperature is <=+3°C.

Units subject to ambient temperatures lower than 0°C, a minimum of 2 of the following are required:

1. Glycol of an appropriate concentration(1) is used within the system to ensure adequate freeze protection. Please ensure that the concentration is capable of protection to at least 3K lower than the minimum ambient the chiller can be subjected to.

2. The water/glycol solution should be continuously circulated through all waterside pipework and coils to prevent static water from freezing 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).

3. Trace heating should be adequately sized and provided by others for all interconnecting water pipework between the chiller and the process.

Trace Heating

Water pipework trace heating is included as standard within the chiller. It is imperative that as soon as the chiller is filled with water/glycol that a separately fused, permanent, single phase and neutral supply is fitted to the trace heating, evaporator immersion heater and controls circuits. This circuit should be backed up in the event of a power failure to prevent a potential freeze scenario. Please reference the interconnecting wiring diagram for further information.

The chiller must be filled with water/glycol before power is applied to the trace heating circuit. Failure to do so will damage any immersion heaters present.

Maintenance

It is important that the glycol concentration is not diluted, if a pressurisation unit is present to maintain system pressure then Airedale advises that a premixed solution of glycol to the required concentration is used and not water. Airedale recommends that during prolonged cold periods or during winter months that the frequency of glycol concentration checks are increased to ensure the glycol meets the required concentration.

During any reclamation of refrigerant from the evaporator during the off state, ensure the water/glycol solution is continuously circulated to prevent static water from freezing.

If maintenance work is being carried out on the chiller preventing fluid flow whilst the ambient temperature is within 3K of the fluid freezing point, then the fluid circuit must be fully drained and the evaporator immersion heaters should be turned off.

Free Cooling Chillers

For free cooling chillers it is mandatory that glycol of an appropriate concentration(1) is used within the coil volume. The concentration should be capable of protection to at least 3K lower than the minimum ambient.

(1) Refer to your glycol supplier for specific details. Airedale insists that the glycol freeze point (the temperature at which ice crystals begin to form) is used rather than the burst point (the temperature the fluid freezes and becomes expansive) for all pumped systems. Failure to follow these instructions can damage pumps if slush is present and the pumps start to run.

Flow Control

For fixed flow applications, when the chiller is in operation the design water flow MUST be maintained at all times within acceptable tolerances (±5%). For variable flow systems, flow variation must not exceed 10% of the design flow per minute and both the evaporator minimum/maximum flow rates should always be respected. Care to be taken when selecting a chiller within 5% of the evaporator minimum flow rate. The end user must ensure that flow variation does not fall below this minimum as the chiller will shut down.

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/EU 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.

Occupancy Note

When placing a chiller the access category for the surrounding area needs to be classified in accordance with EN 378-1:2016 section 5.1.1.

Access to the chiller should be limited to supervised or authorised access only (access categories B and C) as described in EN378-1:2016 Table 4. This access level needs to be confirmed by the end user, and the location within which the product is to be installed needs to be defined. EN 378-1:2016 section 5.3 describes the four main types of location and the hazards associated with each. This range has been designed to be installed in an open air environment (location class III) and shall not be applied in alternative locations.

As an air cooled Chiller typically in an ‘Authorized Access’ installation, located in open air, ‘Class III’ location, EN378-1:2016 Table C.2 states that there is ‘No charge restriction’ for these systems using R410A (A2L) refrigerant.

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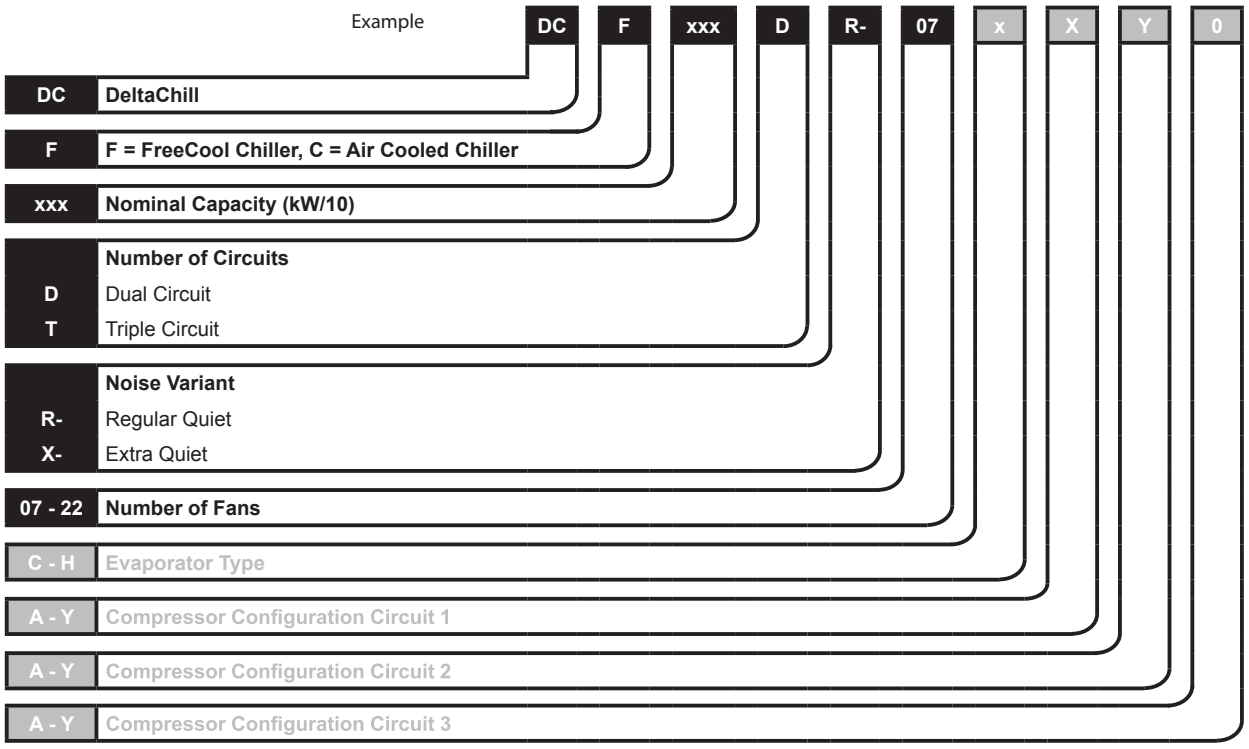
Nomenclature



Introduction

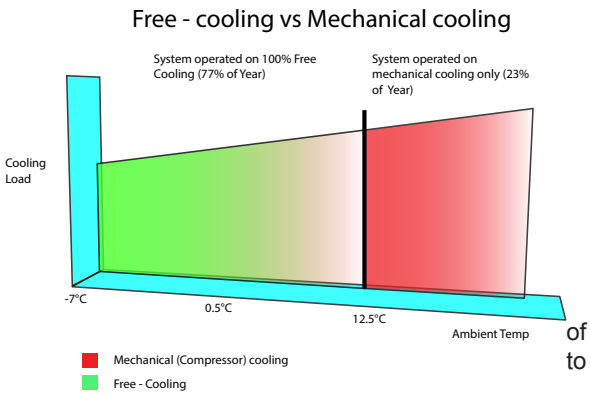
The DeltaChill Free Cool chiller has been designed to provide the cooling load required whilst optimising energy efficiency at all times and as such will take advantage of free cooling whenever available. If the free cooling available cannot satisfy the required full cooling load, direct expansion cooling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

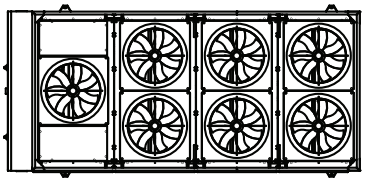
In high ambients where free cooling is not available the fan speed modulates in the conventional manner to maintain a constant head pressure. Free cooling is initiated wherever the outdoor ambient is 2°C less than the return water temperature. The condensing temperature is constantly monitored and intelligently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



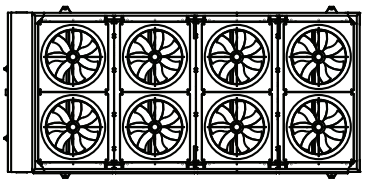
During periods where the condenser fan speed has been reduced to a minimum, the supply water temperature will then be controlled by the 3 way valve.

Range Layout

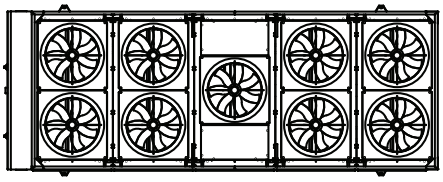
7 Fan Units DCF 460 - 480kW



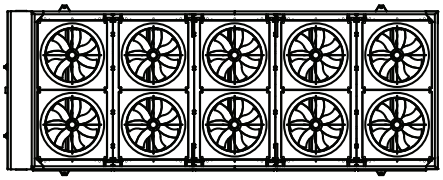
8 Fan Units DCC 470 - 490kW
DCF 470 - 490kW



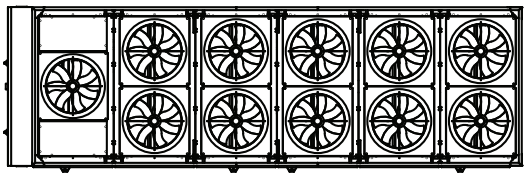
9 Fan Units DCC 520kW
DCF 510kW



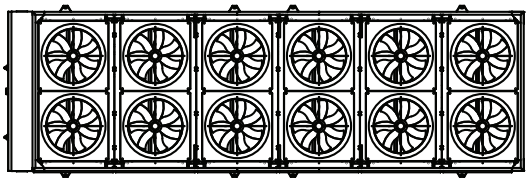
10 Fan Units DCC 480 - 650kW
DCF 510 - 650kW



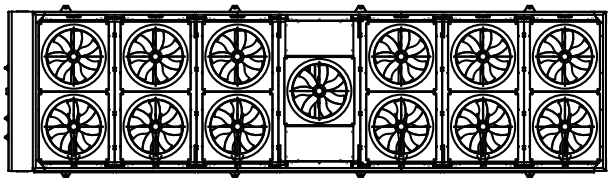
11 Fan Units DCC 530 - 690kW
DCF 490 - 740kW



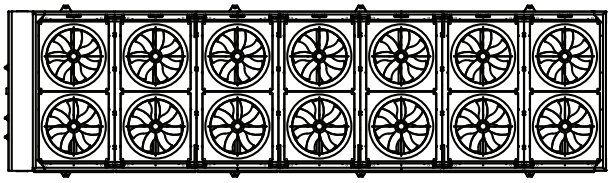
12 Fan Units DCC 490 - 740kW
DCF 530 - 790kW



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



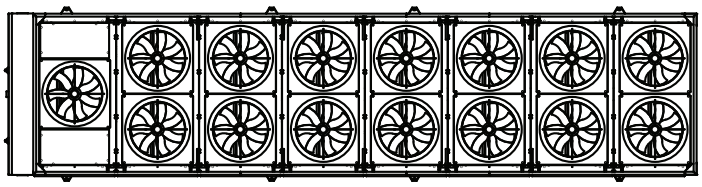
14 Fan Units DCC 500 - 800kW
DCF 550 - 850kW



(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

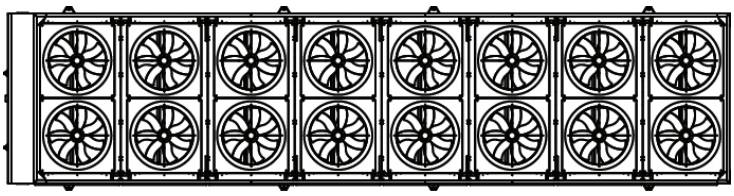
15 Fan Units

DCC 550 - 910kW
DCF 590 - 960kW



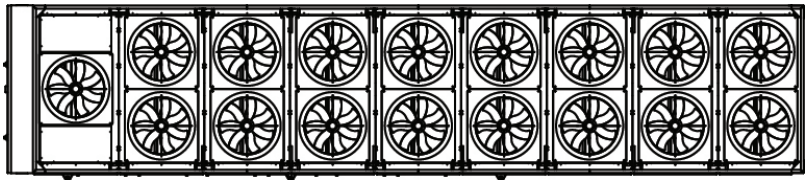
16 Fan Units

DCC 590 - 770kW
DCF 660 - 850kW



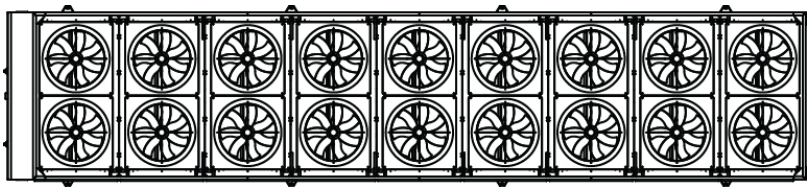
17 Fan Units

DCC 720 - 820kW
DCF 780 - 850kW



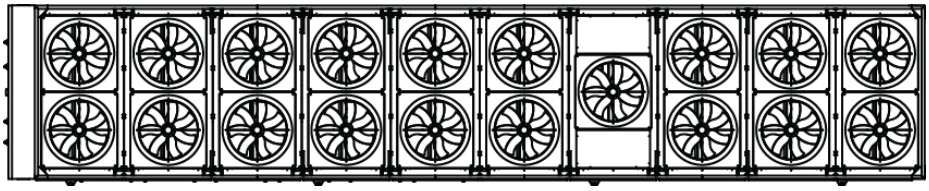
18 Fan Units

DCC 770 - 940kW
DCF 820 - 1000kW



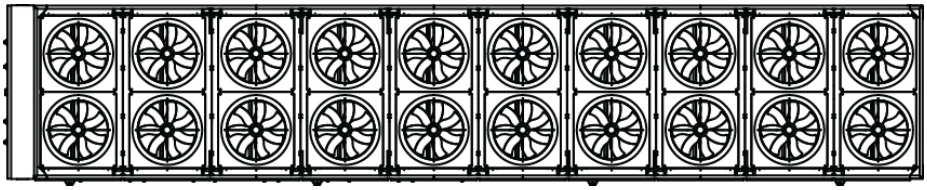
19 Fan Units

DCC 700 - 820kW
DCF 740 - 880kW



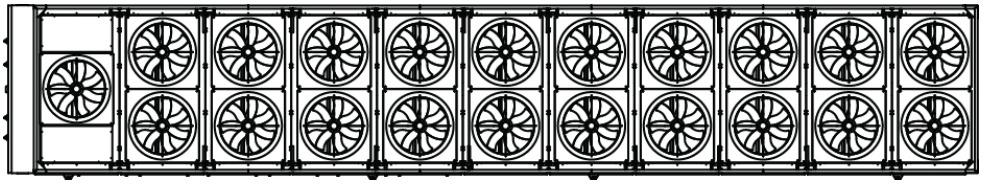
20 Fan Units

DCC 740 - 840kW
DCF 790 - 900kW



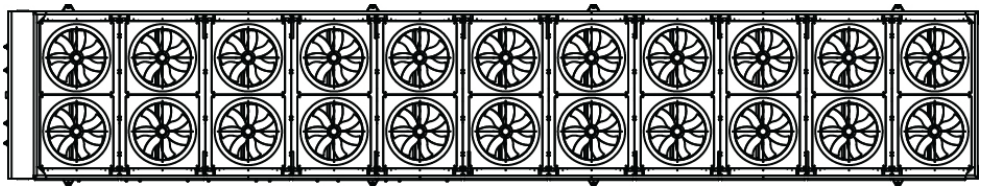
21 Fan Units

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

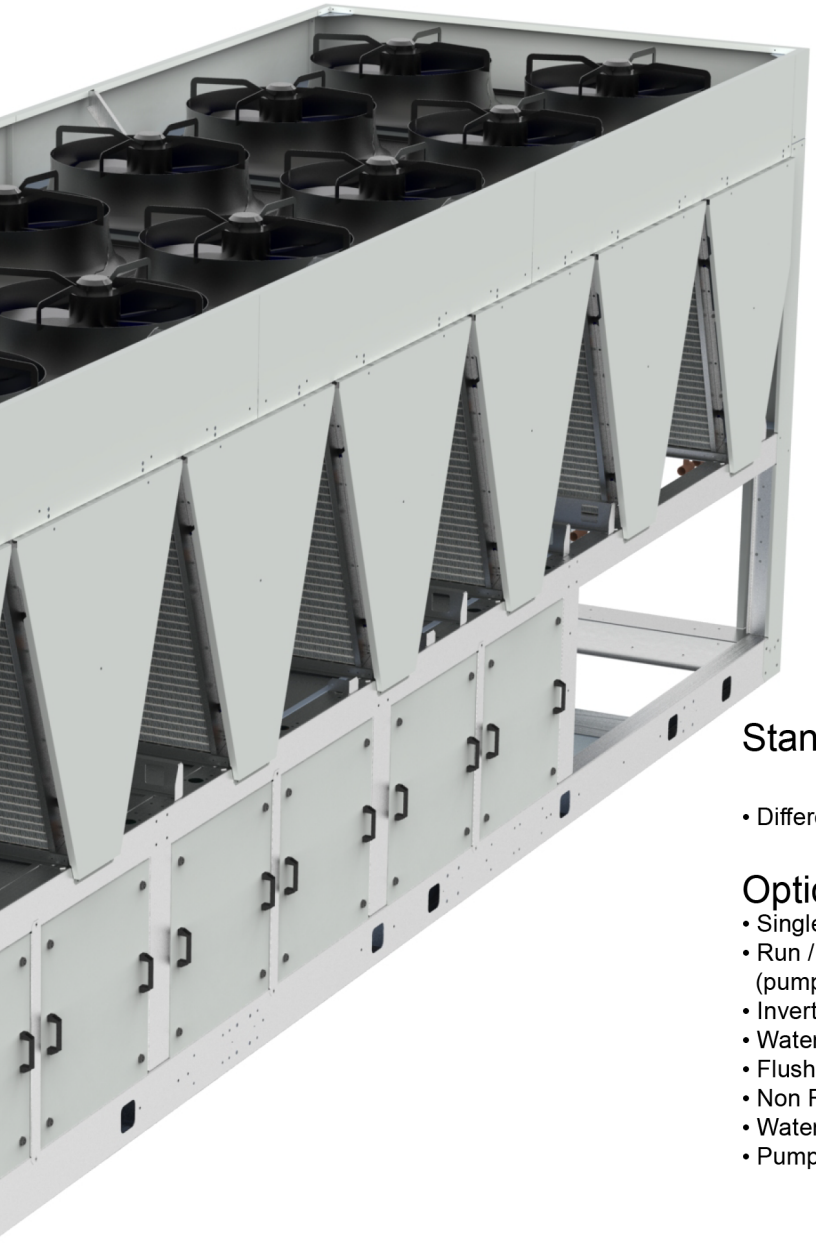
- AC Condenser Fans
- EC + (High Airflow EC) Condenser Fans
- Extended Discharge Plenum

Standard Control Panel Features

- Electrical Switch Gear
- Microprocessor Control
- Single Point Isolation
- Phase Rotation Protection
- Control Panel Ventilation (High Ambient)
- Control Panel Heater (Low Ambient)
- UltraCap Power Backup
- 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
- Leak Detection

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.

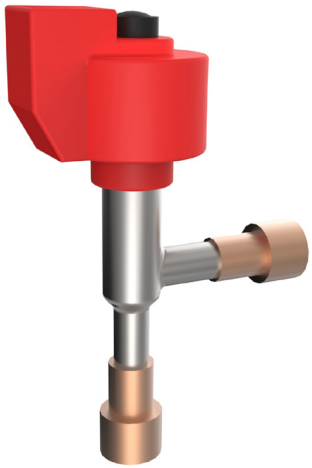
Filter Driers

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.

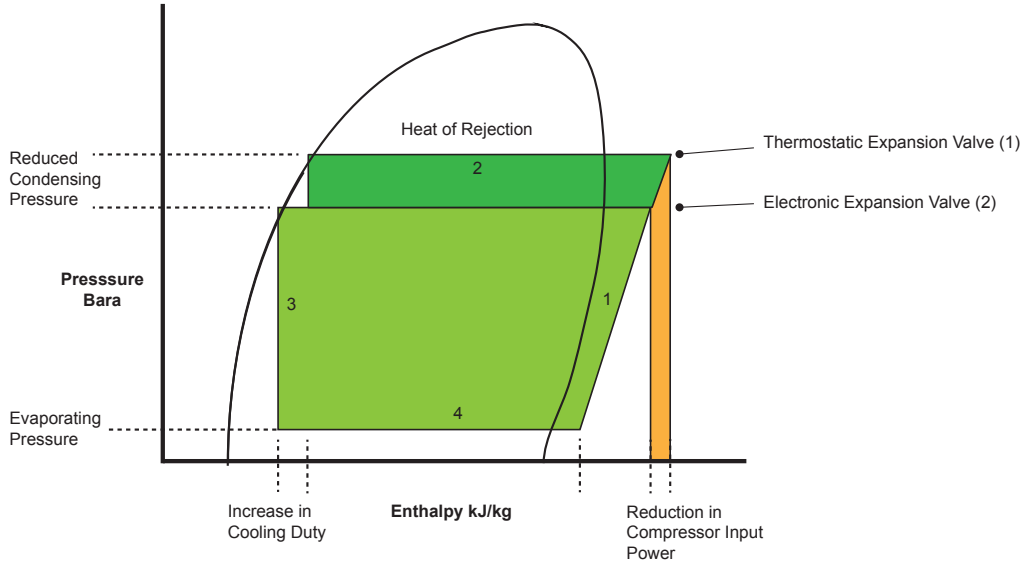
Electronic Expansion Valves (EEV)



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.

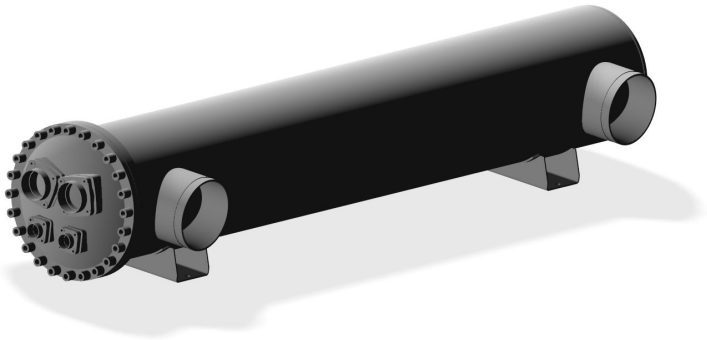
Evaporator

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.

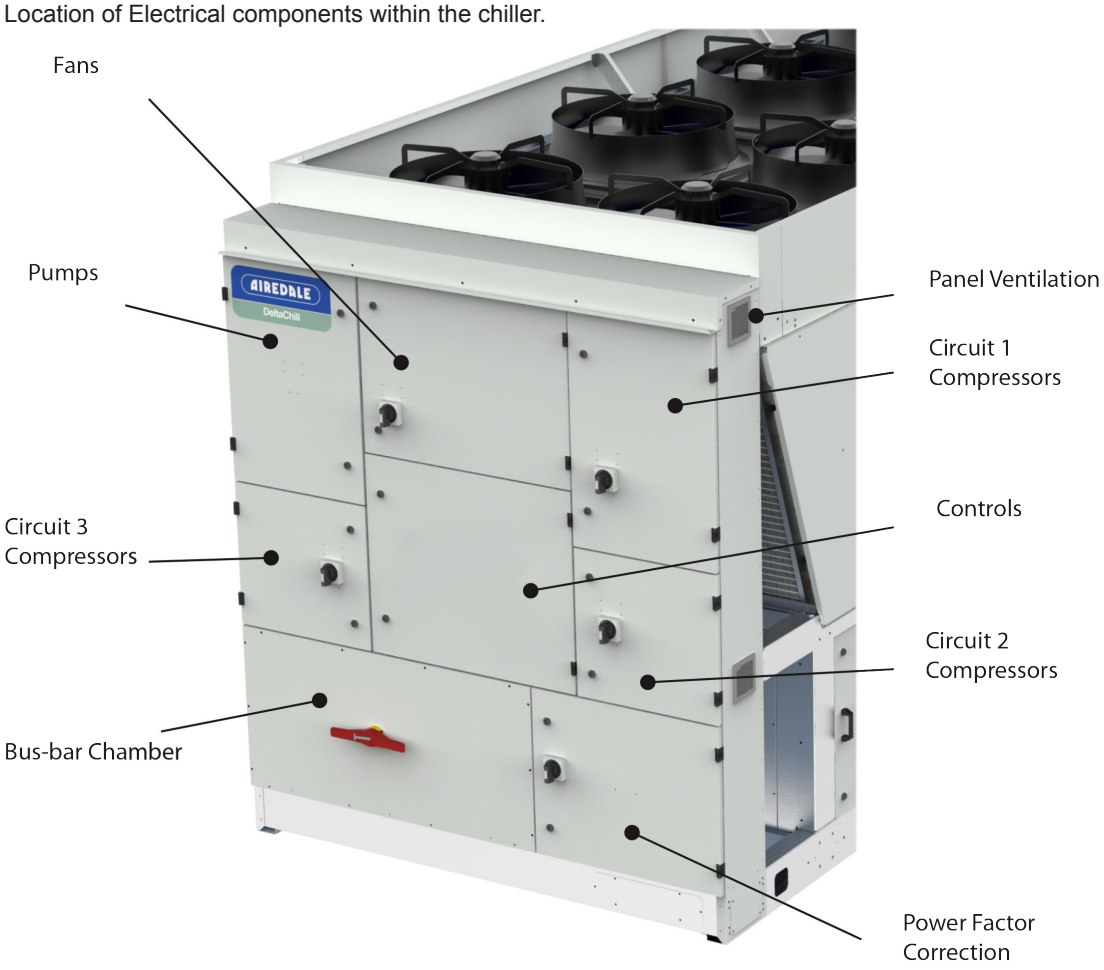
Connections for External Trace Heating (230V/1PH / 50Hz / 500W) available.



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.
- 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

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.

Distribution System

This system has been designed to be connected to a TN type distribution system. For alternate distribution type systems, contact Airedale.

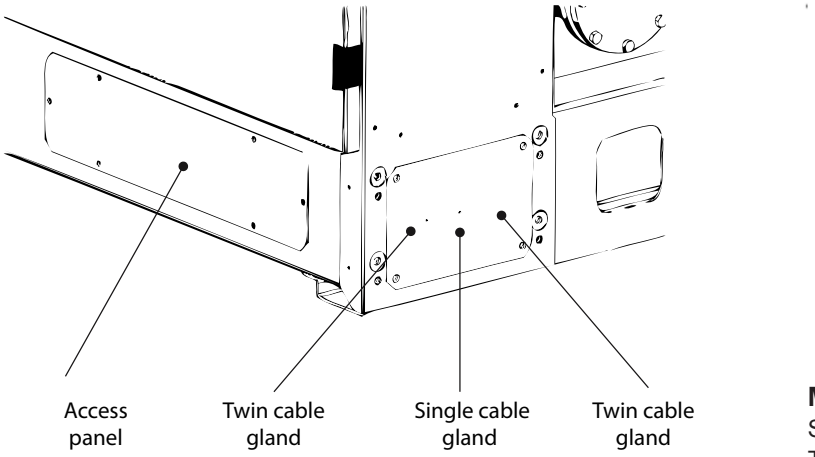
Optional Features

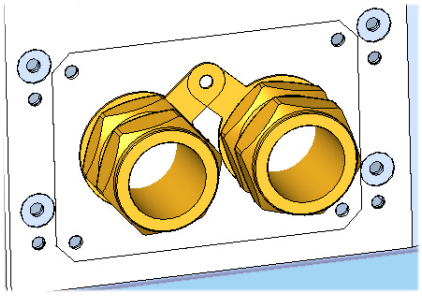
Control Panel Light
A control panel light shall be fitted to enable maintenance to be carried out during poor light conditions.

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.

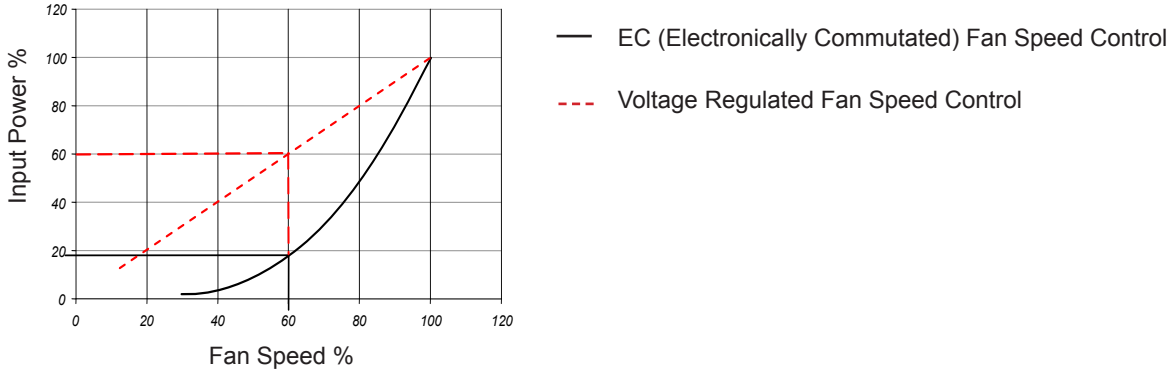
Condenser Fans

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.

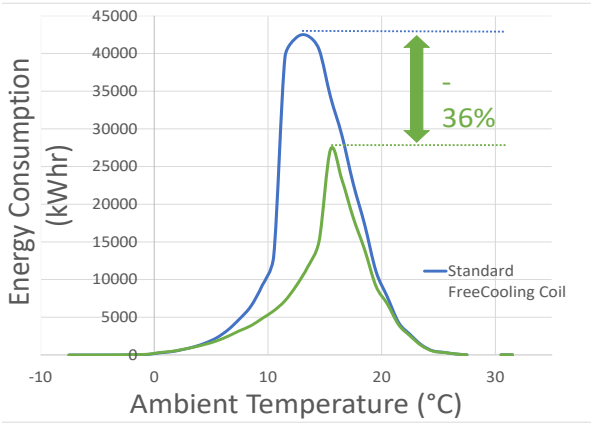
Waterside

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 and can be accessed for cleaning through the removable side panel. 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.

Optimised Free Cooling

Additional free cooling is available with an upgraded freecooling coil and fan combination. Whereby the coil design is optimised for high ΔTs and high water temperature applications as is typical in data centres. This has been shown to provide up to 40% total annual energy savings and a 36% reduction in peak energy consumption when applied to a typical load profile compared to the standard freecooling unit design. Please contact Airedale for more details on this optional feature.



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.

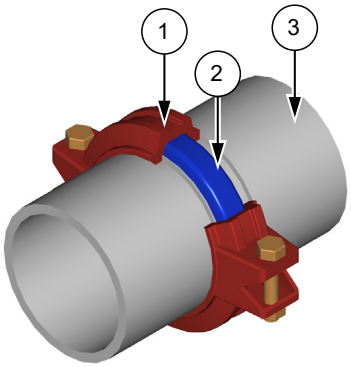
Water Flow Switch

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.

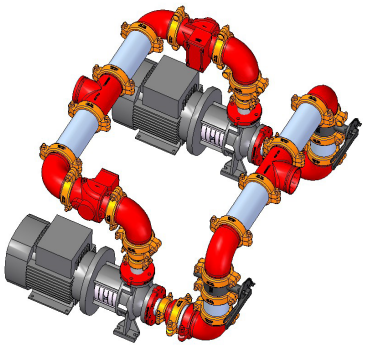
Single pump + filter + flushing bypass

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

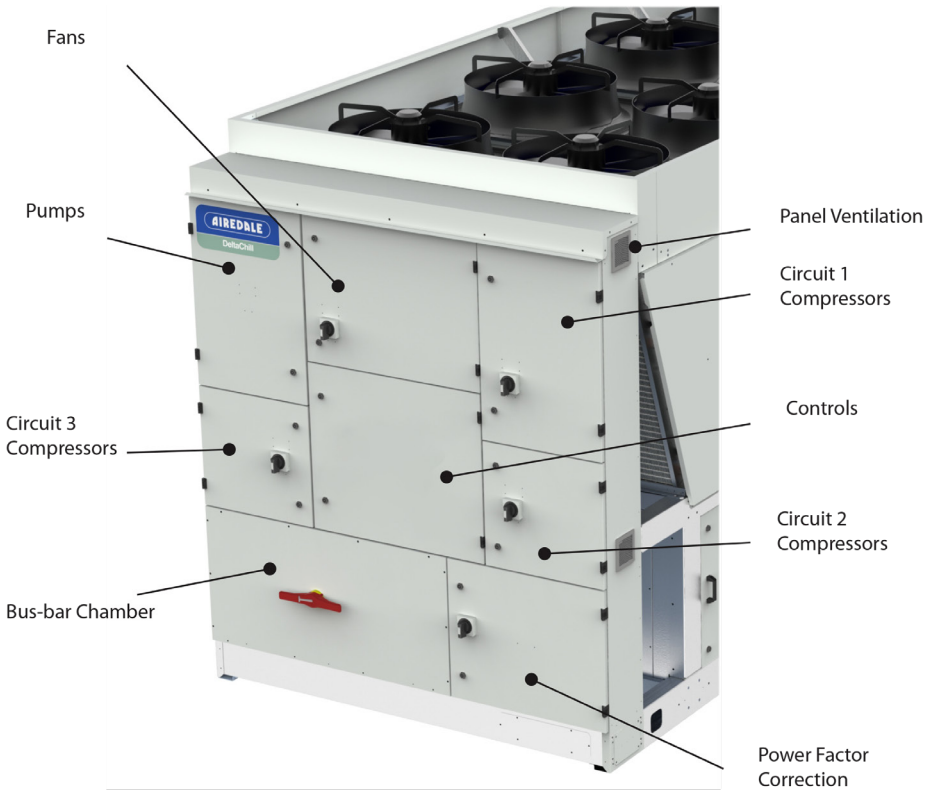
Run & standby pumps + filter + regulating bypass

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

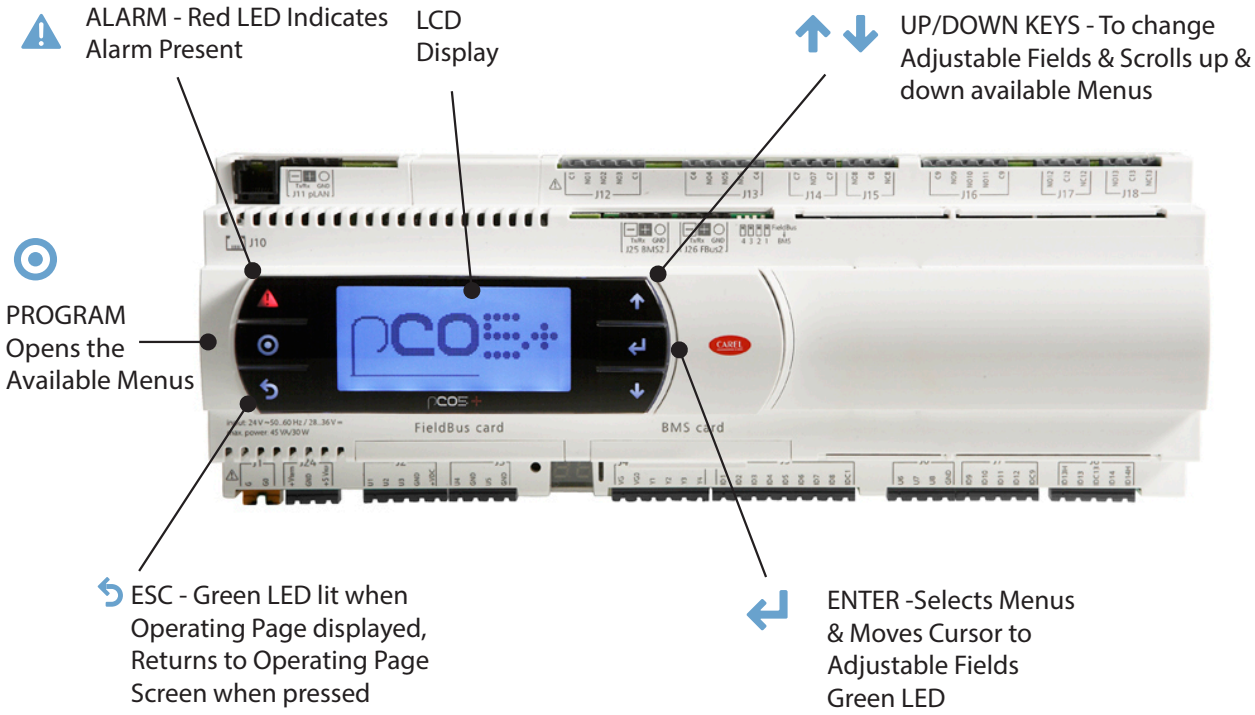
The microprocessor controller offers powerful analogue and digital control to meet a wide range of monitoring and control features including a real time clock and Industry standard communication port and network connections.

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 is 10°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.

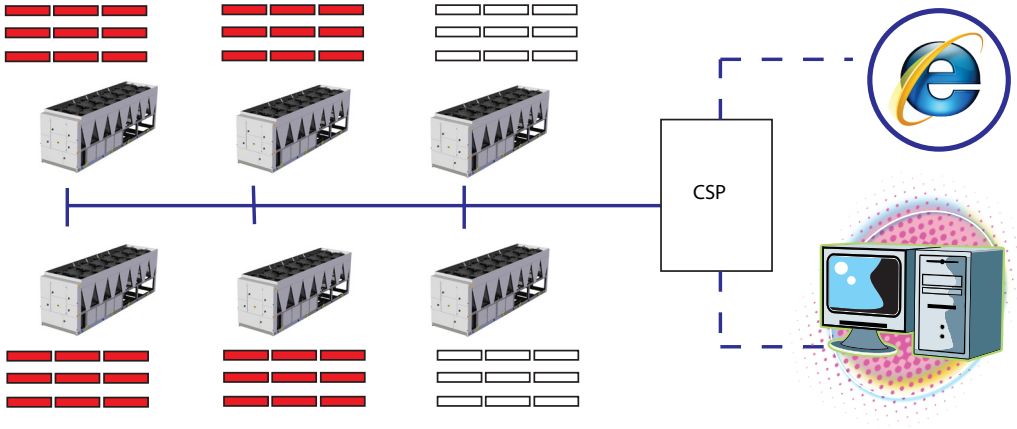
Optional Features

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.

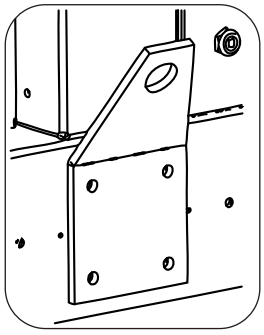
BMS Interface Card

It is possible to integrate the unit control system into a BMS. Communication protocols must be specified at the time of order. Serial protocols options include Modbus RTU and BACnet MSTP. Ethernet IP protocols include BACnet/IP and Modbus TCP. Configuration for all protocols should occur as part of the installation.

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.

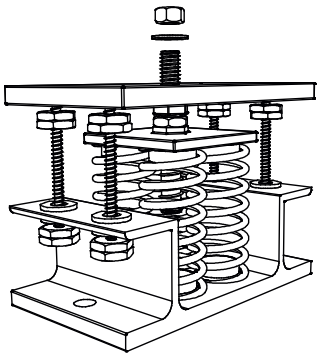
Compressor Enclosures

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.

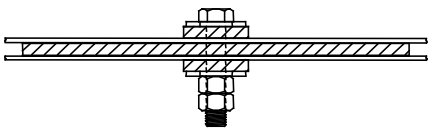
The isolators are suitable for fitting to structural steelwork providing the surface is level and of sufficient strength where a high level of vibration elimination is required.
The Spring vibration isolator requires an overall clearance of 162 mm (unloaded) with a loaded dimension (dependant on load)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



Anti Vibration Mounts (Pad Type)

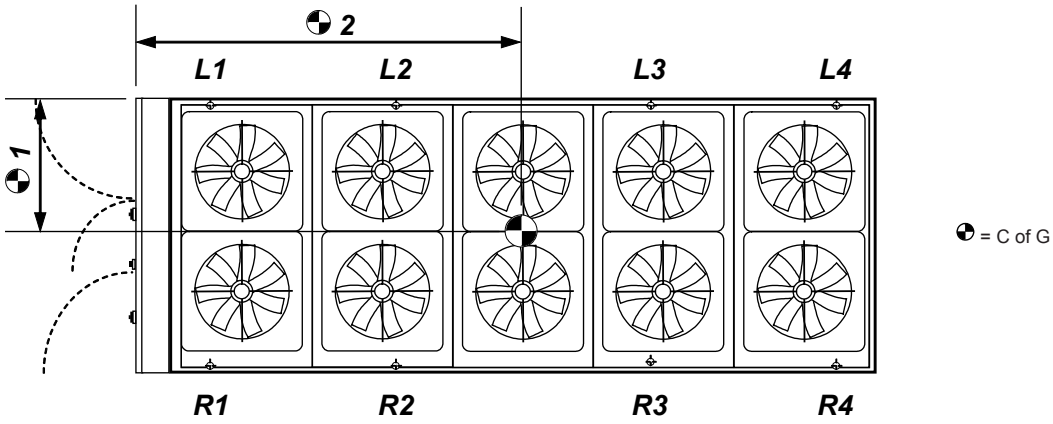
Pad vibration isolators can be supplied loose for on site fitting to the base frame of each unit.

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

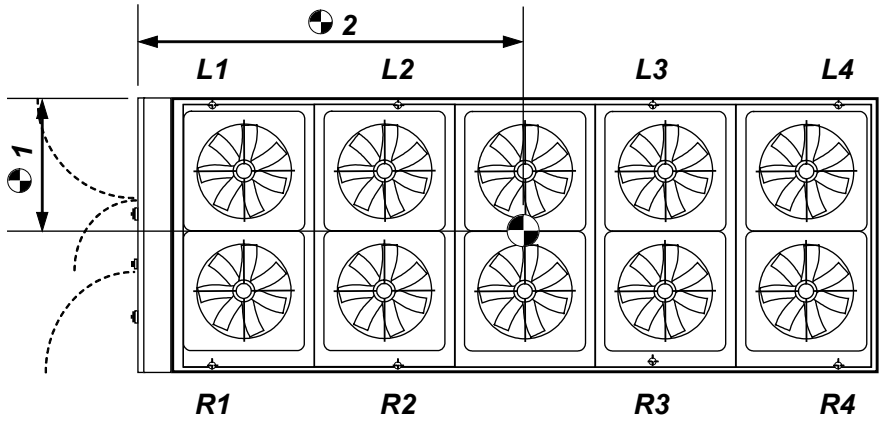


		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
1	DCF046DR-07DXY0	700	810	900					860	990	1100					995	2495
2	DCF048DR-07DPY0	670	805	915					795	960	1090					1010	2555
3	DCF051DR-08DPV0	715	825	920					845	980	1095					1010	2505
4	DCF053DR-08DYY0	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

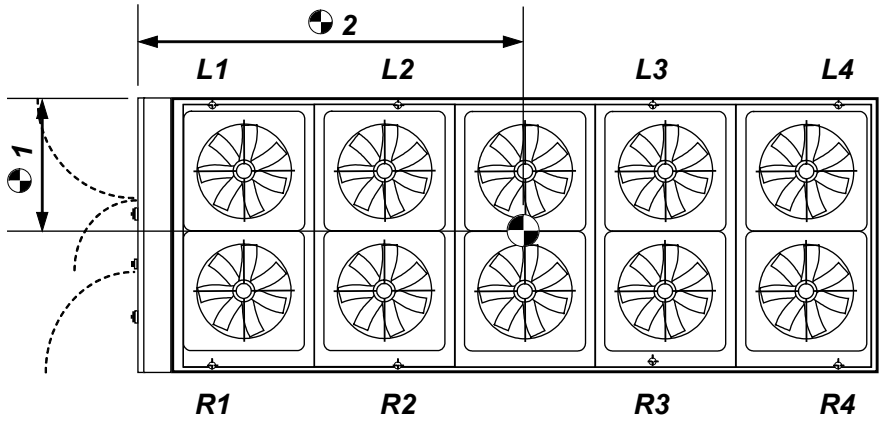


		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
28	DCF073TR-13GPPY	860	845	825	845	790			935	915	895	915	860			1055	3815
29	DCF078TR-14GPYY	880	865	845	865	810			975	955	935	955	900			1045	3830
30	DCF082TR-13HYYV	910	885	860	885	815			1015	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

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

Installation Data

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

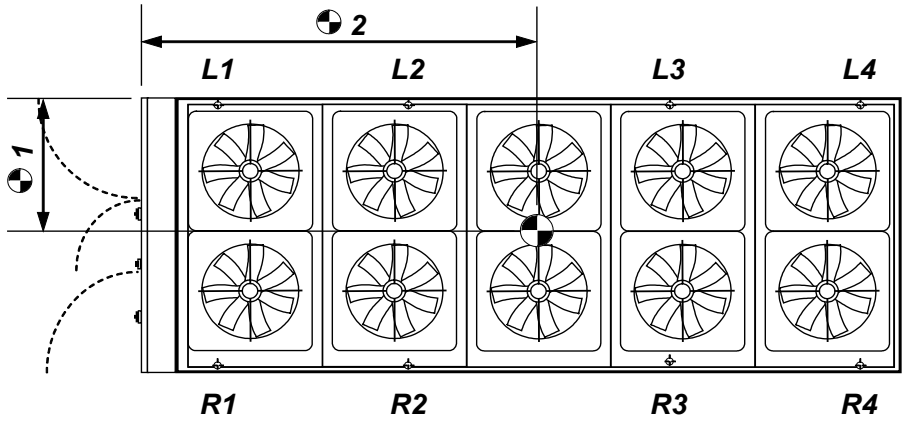


		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
52	DCF047DX-09DXY0	740	730	715	705				885	870	855	840				1010	2775
53	DCF049DX-09DPY0	720	720	715	715				840	835	835	835				1020	2830
54	DCF051DX-10DPV0	740	740	735	735				860	855	855	850				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

(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

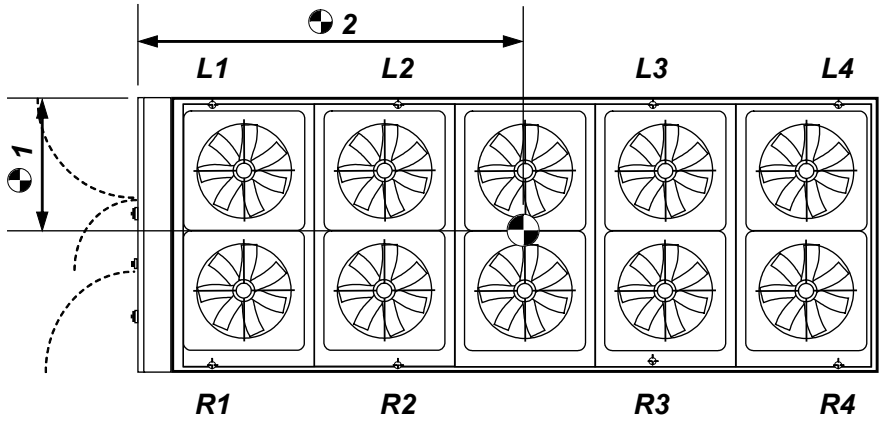


		Point load															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
72	DCF069TX-13GPPY	875	855	835	855	795			980	960	935	960	895			1040	3800
73	DCF075TX-14GPYY	895	875	855	875	820			1020	1000	975	1000	935			1030	3810
74	DCF059DX-15DYV0	875	835	790	835	725			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

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

Installation Data

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



		Point loads															
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7	C of G 1	C of G 2
		kg														mm	mm
98	DCC047DR-08EPV0	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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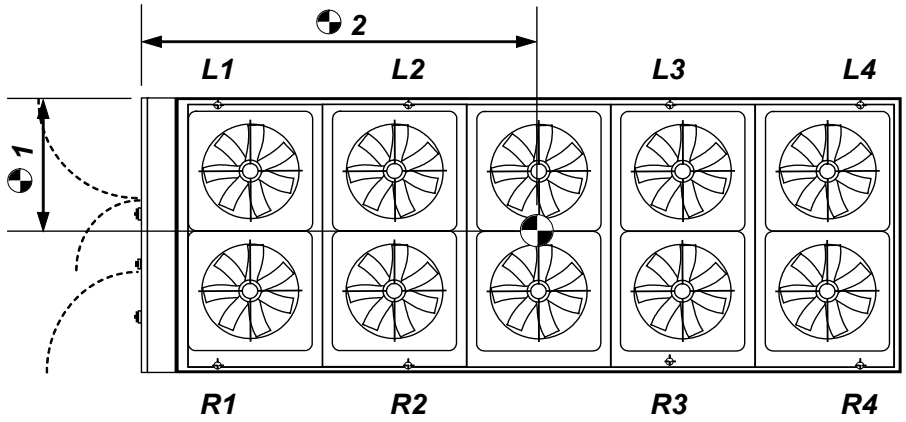
Installation Data

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

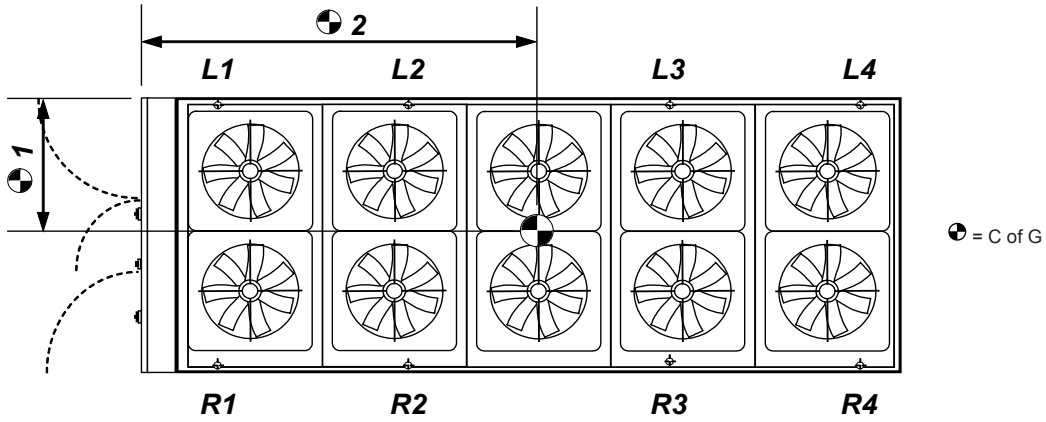


		Point loads														C of G 1	C of G 2
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7		
		kg														mm	mm
125	DCC080TR-16GYYV	725	675	615	675	535			950	880	805	880	695			960	4000
126	DCC083TR-15GVVV	715	665	610	665	530			940	870	800	870	695			960	4020
127	DCC086TR-15GVVW	720	670	610	670	535			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

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

Installation Data

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



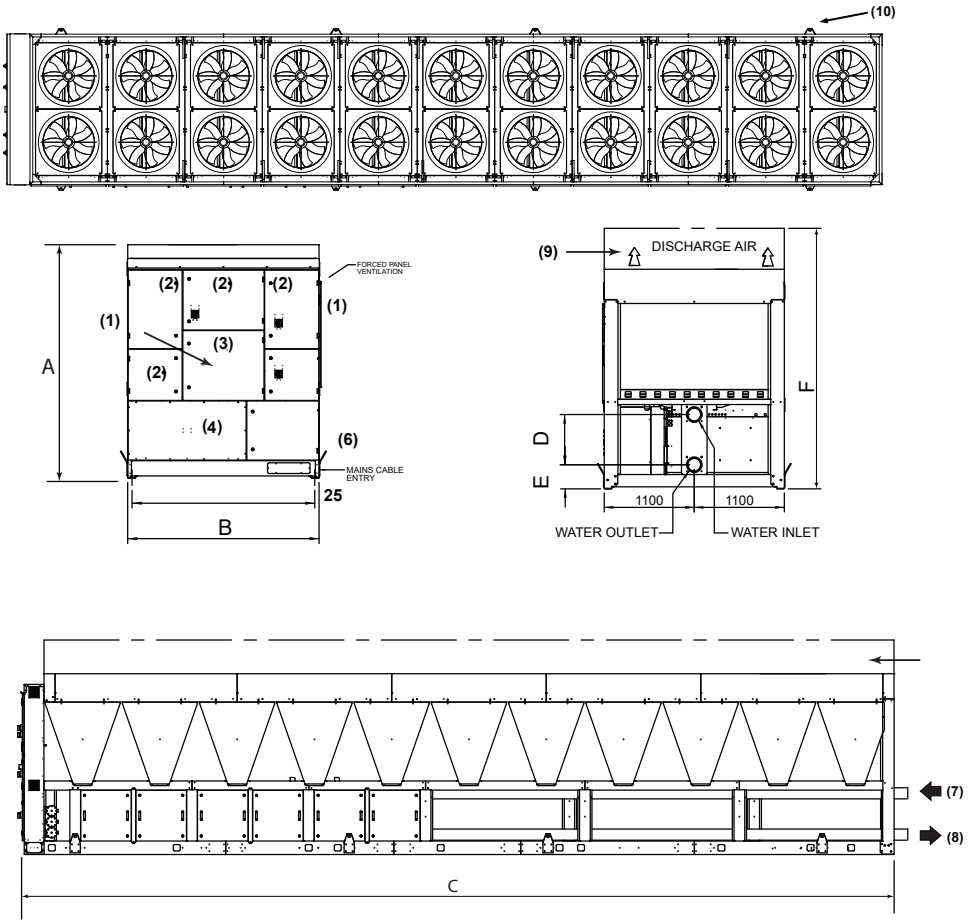
		Point loads														C of G 1	C of G 2
		L1	L2	L3	L4	L5	L6	L7	R1	R2	R3	R4	R5	R6	R7		
		kg														mm	mm
152	DCC052DX-14EYY0	560	530	505	530	455			735	700	665	700	600			955	3610
153	DCC054DX-13DYV0	565	540	510	540	460			740	705	670	705	605			960	3605
154	DCC057DX-14DVV0	570	540	510	540	460			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) Mains Cable Entry and route to Busbar, unit incoming mains isolation supplied by others.
(6) Water Connections: Water Inlet
(7) Water Connections Water Outlet.
(8) Optional discharge plenum extension
(9) Lifting Eye Bolts (removable).

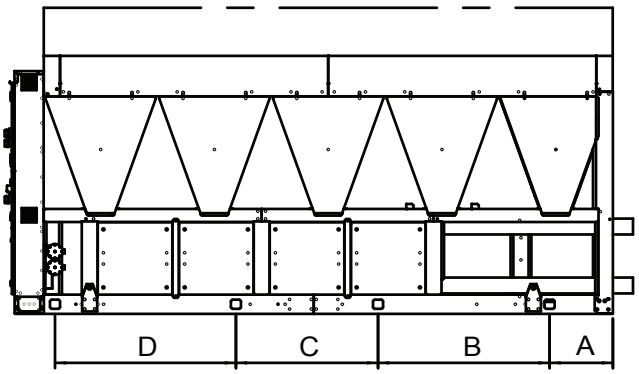
Grooved Water Connections: Refer to mechanical Data Tables
Evaporator Water Drain/Bleed: 1/2”

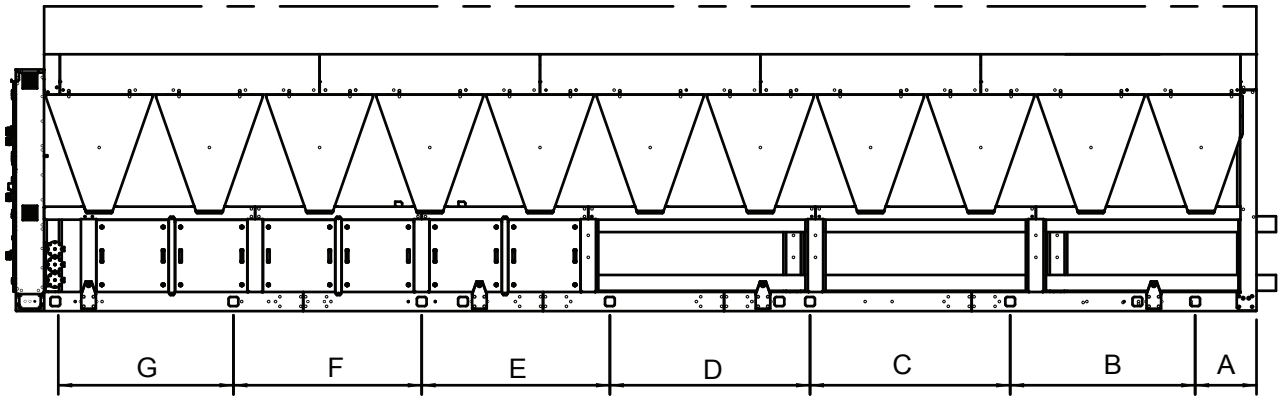
		A	B	C	D	E	F
8 Fan Case	mm	2682	2200	4846	550	206	3182
10 Fan Case	mm	2682	2200	5978	550	206	3182
12 Fan Case	mm	2682	2200	7110	550	206	3182
14 Fan Case	mm	2682	2200	8242	550	206	3182
16 Fan Case	mm	2682	2200	9374	550	206	3182
18 Fan Case	mm	2682	2200	10506	550	206	3182
20 Fan Case	mm	2682	2200	11638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

Installation Data

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

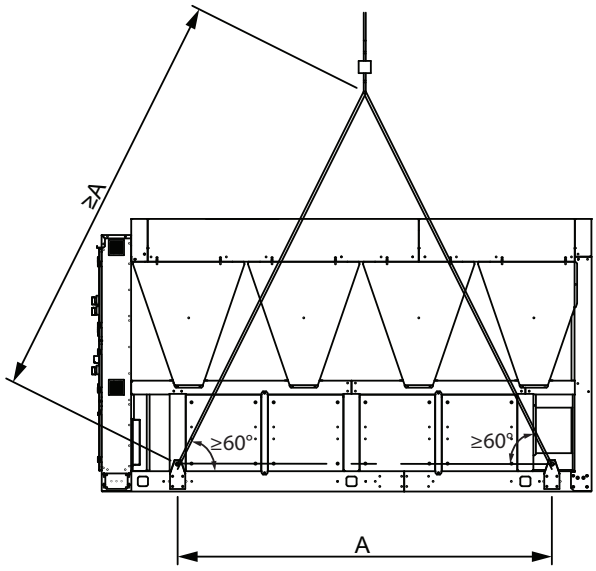
Unit Lifting

- 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.

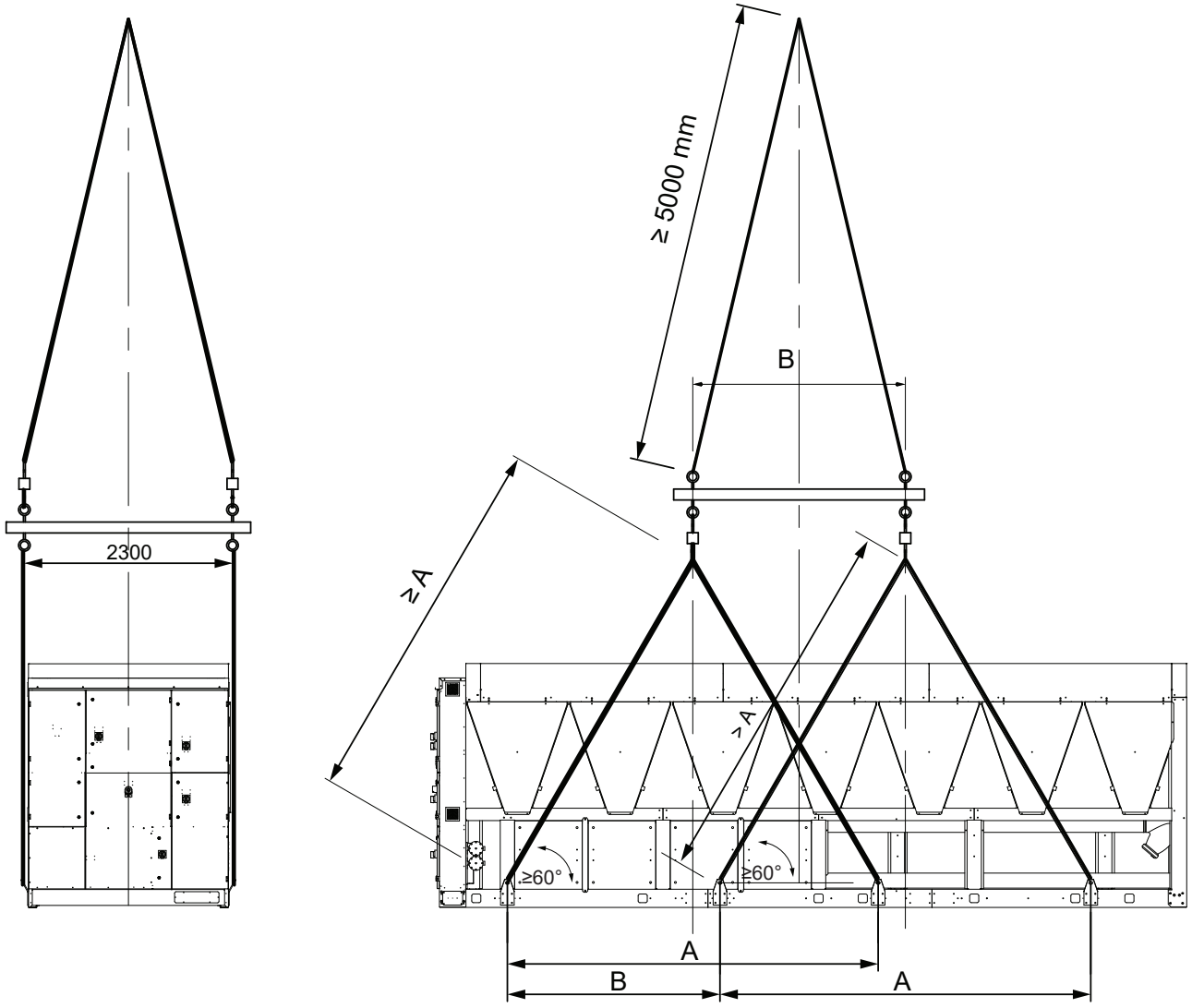
Lifting Dimensions



Number of Fans	Lifting Lug Size	Dimensions A (mm)
7 / 8 Fan Unit	35	3680
9 / 10 Fan Unit	35	4415

Installation Data

Lifting Dimensions



Number of Fans		Dimension	
	Lifting Lug Size	A (mm)	B (mm)
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

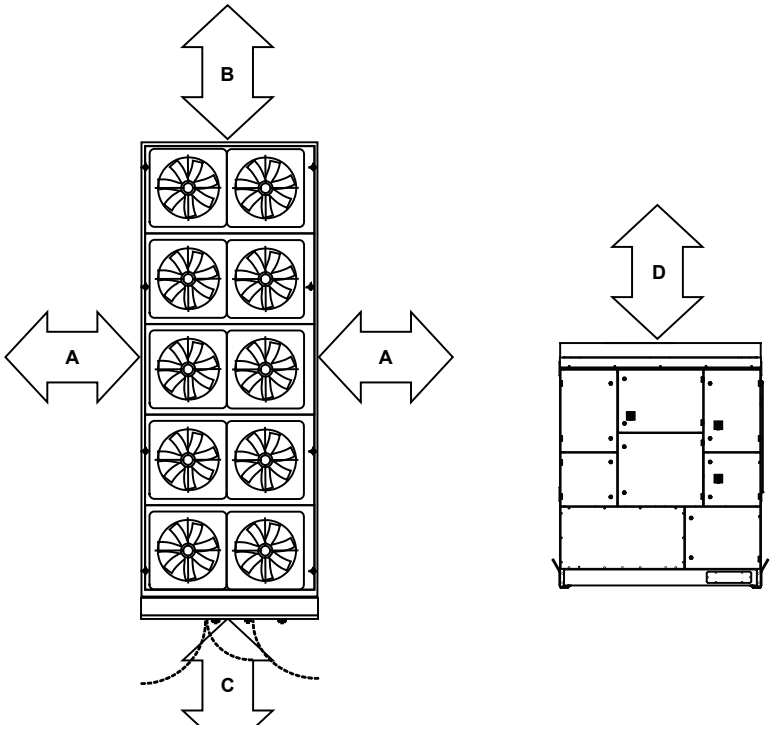
Positioning

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.
- If the unit is installed in particularly windy locations, the provision of wind breaks may be required. For such applications a vertical discharge unit is recommended or where horizontal airflow could be obstructed.

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

Airflow & Maintenance Clearances



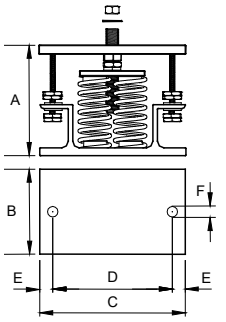
Application	Distance from Overall Base Dimension (mm)			
	A	B	C	D
Free of walls and overhang	1300	1300	1300	1300
Enclosed to A	2600	1300	1300	1300
Unit parallel with A	2600	1300	1300	1300
Enclosed to B	1300	2600	1300	1300
Unit in line with B	1300	1300	1300	1300
Unit in line with C Controls End	1300	1300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

Installation Data

Anti Vibration Mounting (Optional)

ISL Spring Type

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



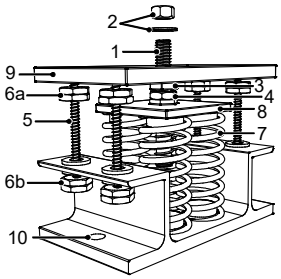
Dimensions

	A(1)	B	C	D	E	F
mm	162	130	225	186	20	16

(1) Unloaded dimension

The ISL range of AV mounts have an optimum deflection of around 38mm (product dependent) and a maximum of 50mm. Please contact Airedale for more details.

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	Fixing holes.
6a	Upper retaining nuts.		

Installation

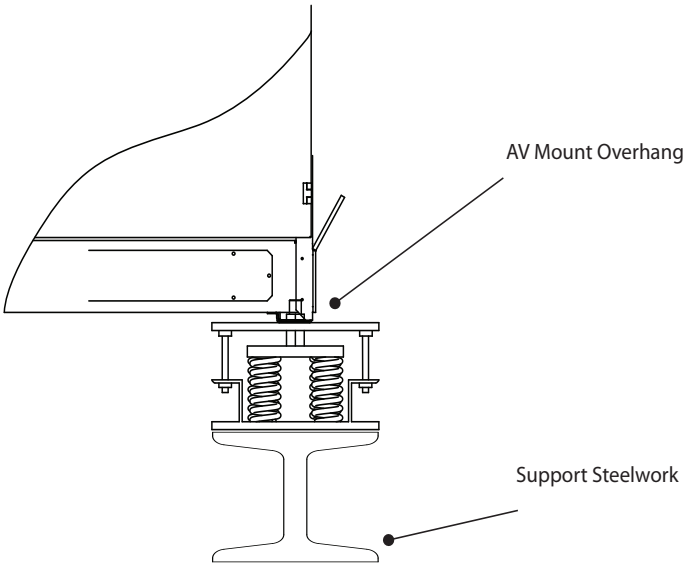
1. Locate and secure mount using fixing down holes (10) in base plate.
2. Ensure mounts are located in line with the unit base.
3. If applicable, remove compressor enclosure covers to allow access to mount fixing holes in the unit base.
4. Lock the upper retaining nuts (6a) to the underside of the top 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.
7. Beginning with the mount with the largest deflection adjust the height of each mount using the levelling screw (3). Mountings must be adjusted incrementally in turn.
8. Do not fully adjust 1 mount at a time as this may overload and damage springs.
9. When all mounts are level, lock each into place using the levelling lock nut (4).
10. Lock all retaining nuts (6a and 6b) to the extreme ends of the retaining studs (5).

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

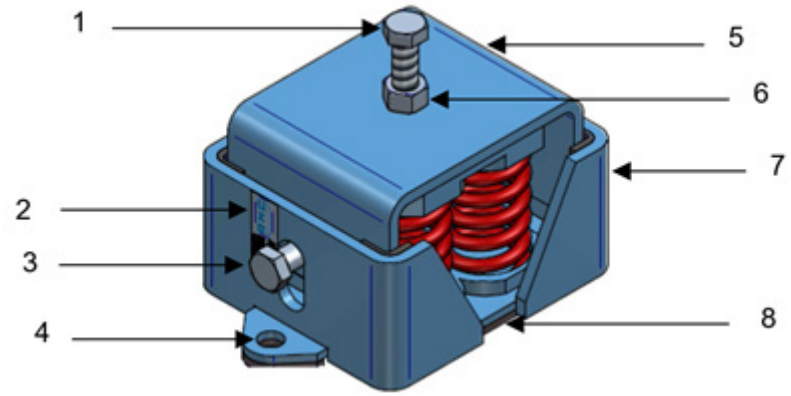
Anti Vibration Mounts location to Unit and Plinth

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.

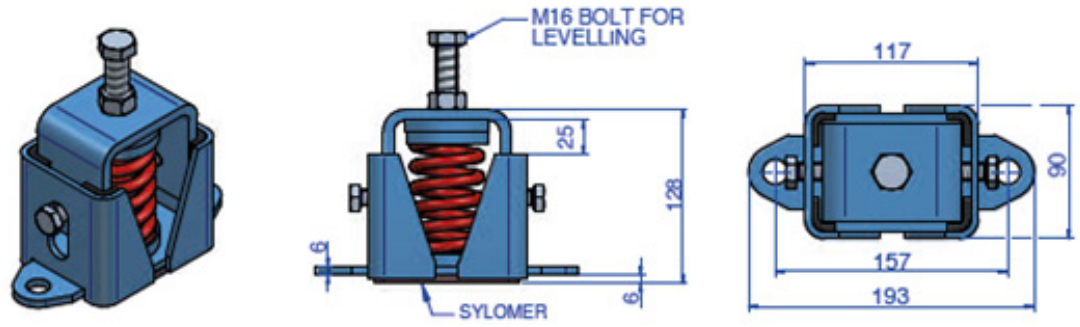


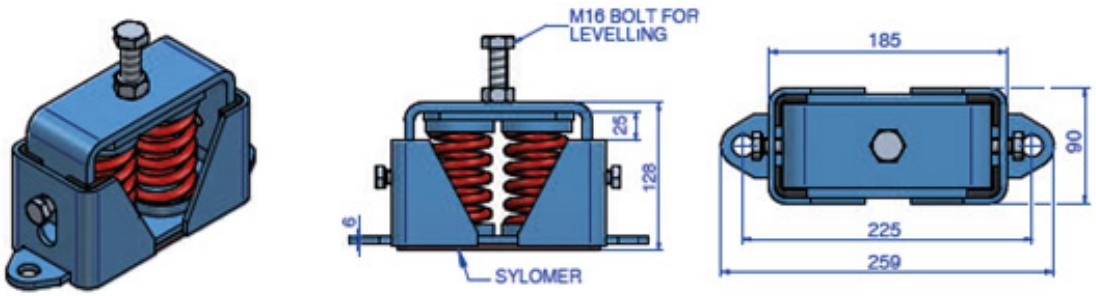
AMC AV Mount Fitting Instructions

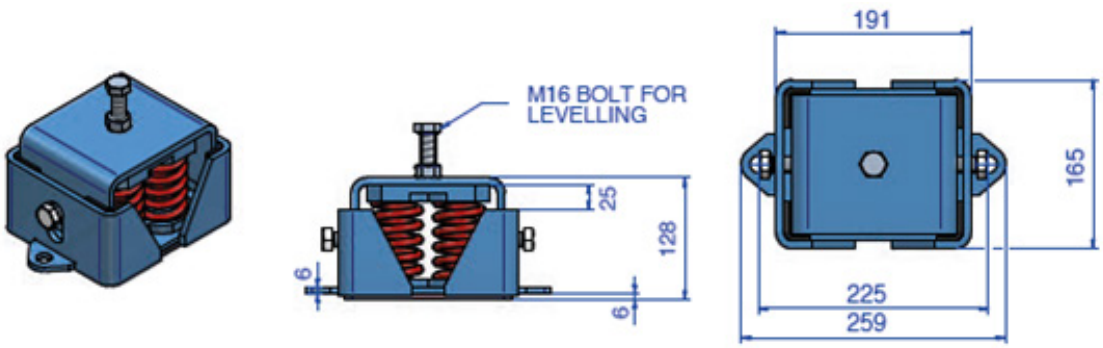


1. Levelling Screw
2. Displacement Gauge
3. Anti-traction Screw
4. Mounting Holes
5. Mount Top Hot
6. Fixing Nut
7. Mount Body
8. Sylomer Base

Mounts may be supplied in either a one, two or four spring variation.
All variations have an optimum deflection of 15mm and a maximum of 22cm.







Please contact Airedale for more details

AMC AV Mount Fitting Instructions

	1 Spring	2 Spring	4 Spring
Mounting Hole Spacing (mm)	157	225	225

Installation

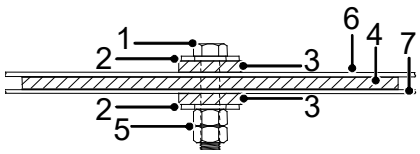
1. Position and secure mount using mounting holes, with displacement gauge facing away from the chiller.
2. Ensure mounts are located in line with the unit base.
3. If applicable, remove compressor enclosure covers to allow access to mount fixing holes in the unit base.
4. Remove the levelling screw and fixing nut from the top housing of the mount.
5. Lower the unit onto the mounts and replace the levelling screw and nut.
6. Starting with the most deflected mount, adjust the height of each mount using the levelling screw.
7. When all mounts are level, lock each into place using the levelling lock nut.

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



Installation Data

Water System

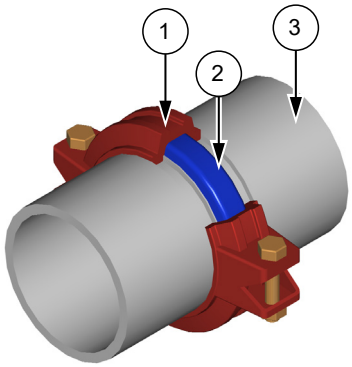
Chilled water pipe work and ancillary components must be installed in accordance with:

- 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



System Flushing

Flushing of the water system must occur before the commissioning to protect the unit components from damage. As a good practise, the recommended minimum flushing flow rate should be the design flow rate plus 10%.

Water Treatment Guidelines

Protecting Plant

It is important that the Airedale plant and equipment is properly protected and maintained to ensure optimal system performance.

IMPORTANT ⚠	The equipment and system should be kept clean and free of solid, scale, corrosion and biological fouling. Failure to do so may invalidate the warranty.

Properly maintaining the system can improve energy efficiency and life expectancy of the system. Acceptable water treatment levels for the system should be determined by the water treatment specialist on a project by project, system by system basis. However below is an acceptable table of requirements for Airedale Plant. Hardness of water may vary depending on location of the site.

PH (5°C – 40°C)	7.0 – 8.5	Total Hardness (mg CaCO3/l)	<200
Electrical Conductivity (µs/cm)	<800	Total Iron (mg Fe/l)	<3.0
Chloride (mg Cl/l)	<200	Soluble Iron (mg Fe/l)	<1.0
Alkalinity (mg CaCO3/l)	<100	Ammonium (mg NH4+/l)	<1.0
Sulphate Ion (mg S02 4-/l)	<200	Sulphide (mg S2-/l)	<5

When completing a chemical clean or a dynamic flush and dose on the secondary system from the low loss header or buffer vessel, primary units such as chillers, condensers and air conditioning units should have a full-bore bypass installed as close to the plant as possible. The plant should be placed in bypass when carrying out the chemical clean in order to protect sensitive plant items and smaller bore pipe from blockages.
Installers should refer to BG29 2020, Pre-Commissioning cleaning of Pipework Systems for the most up to date guidelines of pre-commissioning cleaning of pipework systems and BSRIA BG50 2013, Water Treatment for Closed Heating and Cooling Systems for ongoing water quality maintenance and systems in operation. The manufacturer is not responsible for damage to or malfunctioning of equipment caused by failure to treat water or by improperly treated system water - this applies to both pre and post commissioning.

Choice of Chemicals

Below is a table of metallic and non-metallic substances found in plant items produced by Airedale.
All chemicals to be used during the water treatment process should be carefully selected by the water treatment specialist so that they do not have a detrimental effect on these items, or any component within the plant and equipment, and system as a whole. Frost protection and the dosing of chemicals such as monoethylene and polypropylene should be carefully considered in terms of dosing levels, and blended chemical compatibility. Thermal efficiency should also be considered, on a project-by-project basis.

IMPORTANT ⚠	This is not an exhaustive list and specific advice should be sought for individual items of equipment or specific applications, if requried.

Copper	Stainless Steel (AISI 302)	Silicon	PA66
Brass	Stainless Steel (AISI 316)	PVC	Neoprene
Cast Bronze	Nickel Plated Brass	PTFE	Nitrile-Butylene Elastomer
Cast Iron	Galvanized Iron	PPS	Ethylene Propylene Rubber
Mild Steel	VITON (Rubber/Silicone Mix)	PPE	EPDM
TPE	Synthetic Fiber	PPA 40-GF	Diaphragm

Filling stage

- Before filling plant items, a visual inspection of valves should take place to ensure that there are no open ends, such as drain cocks opened after the testing phase.
- The plant items should be filled with clean water, dosed with corrosion inhibitor and biocides as required in order to prevent corrosion and biological growth. Refer to BSRIA recommendations regarding pre-filling.
- Manual or automatic air vents should be opened to release displaced air from the system during the filling process until pressurised.

Standard Recommended Installation

General

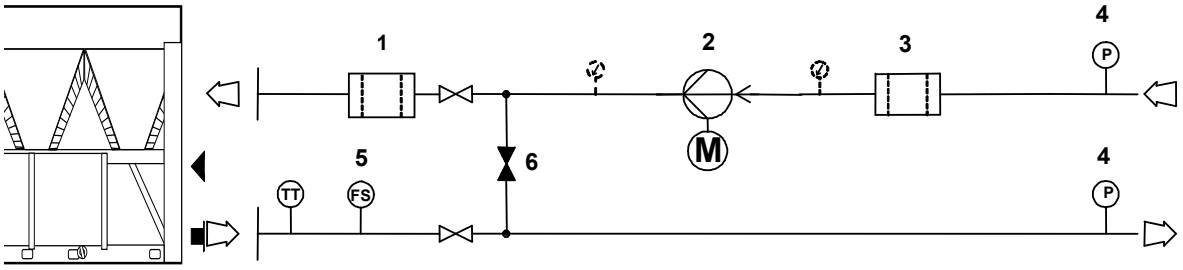
The following diagram illustrates the minimum component installation requirements. A wide range of optional extras are available to suit various applications.

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

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

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

CAUTION ⚠	Full design water flow MUST be maintained at all times. Variable water volume is NOT recommended and will invalidate warranty. The correct operation of the flow proving device is critical if the Chiller warranty is to be valid.



Installation Data

Water Systems and Recommended Flow Schemes

Component Recommended Requirements

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

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

Pump Statement

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

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

Interlocks & Protection

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

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

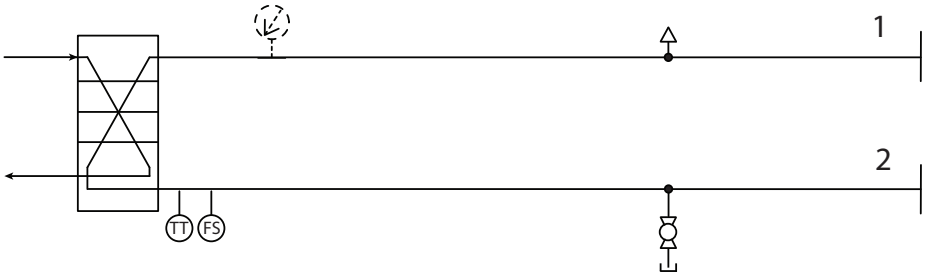
Do not rely solely on the BMS to protect the chiller against low flow conditions.
An evaporator pump interlock and flow switch MUST be directly wired to the Chiller, refer to ***Interconnecting Wiring***.

Flow Schemes

1 Water In 2 Water Out

Basic Supplied Water Schematic

(Includes Flow Proving Device)

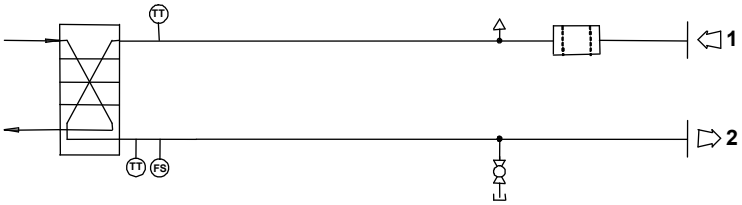


Installation Data

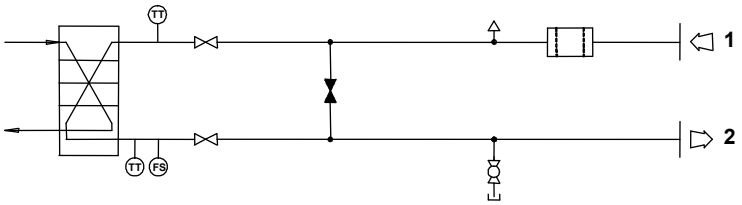
Optional Flow Schemes

Key: 1 Water In
2 Water Out

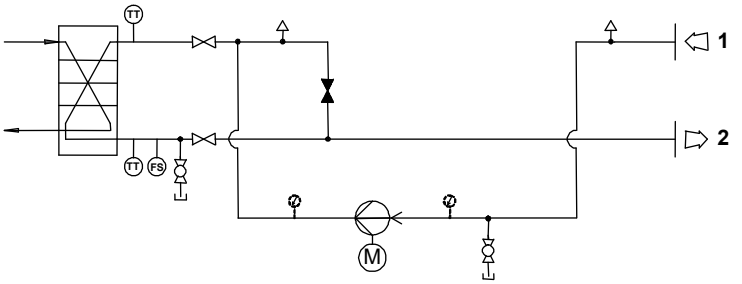
Filter Only Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter



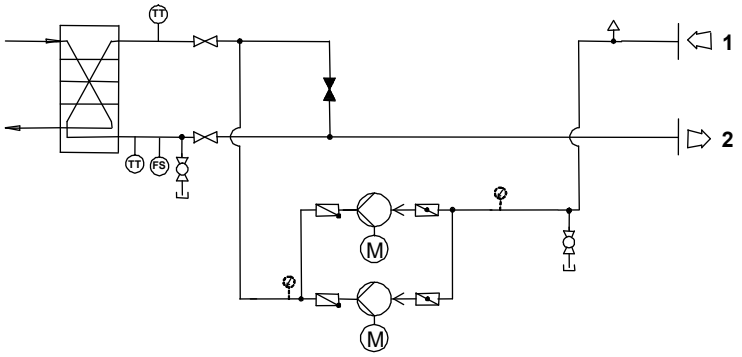
Filter - Flushing Bypass Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter
- Flushing Bypass Circuit



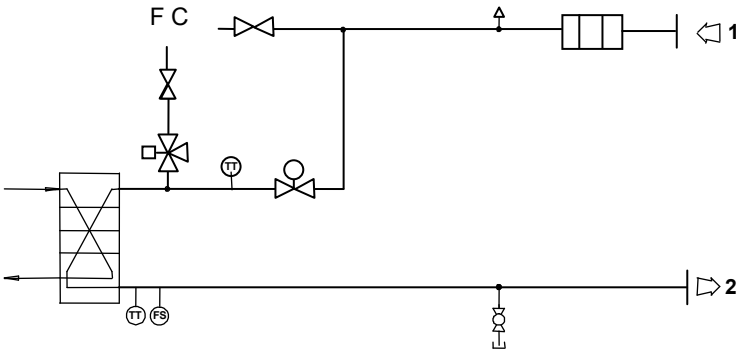
Single Head Pump Scheme - Comprises:
Standard Circuit plus:
Optional Extras:
- 20 Mesh Water Filter (supplied loose)
- Flushing Bypass Circuit
- Single Head Pump



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



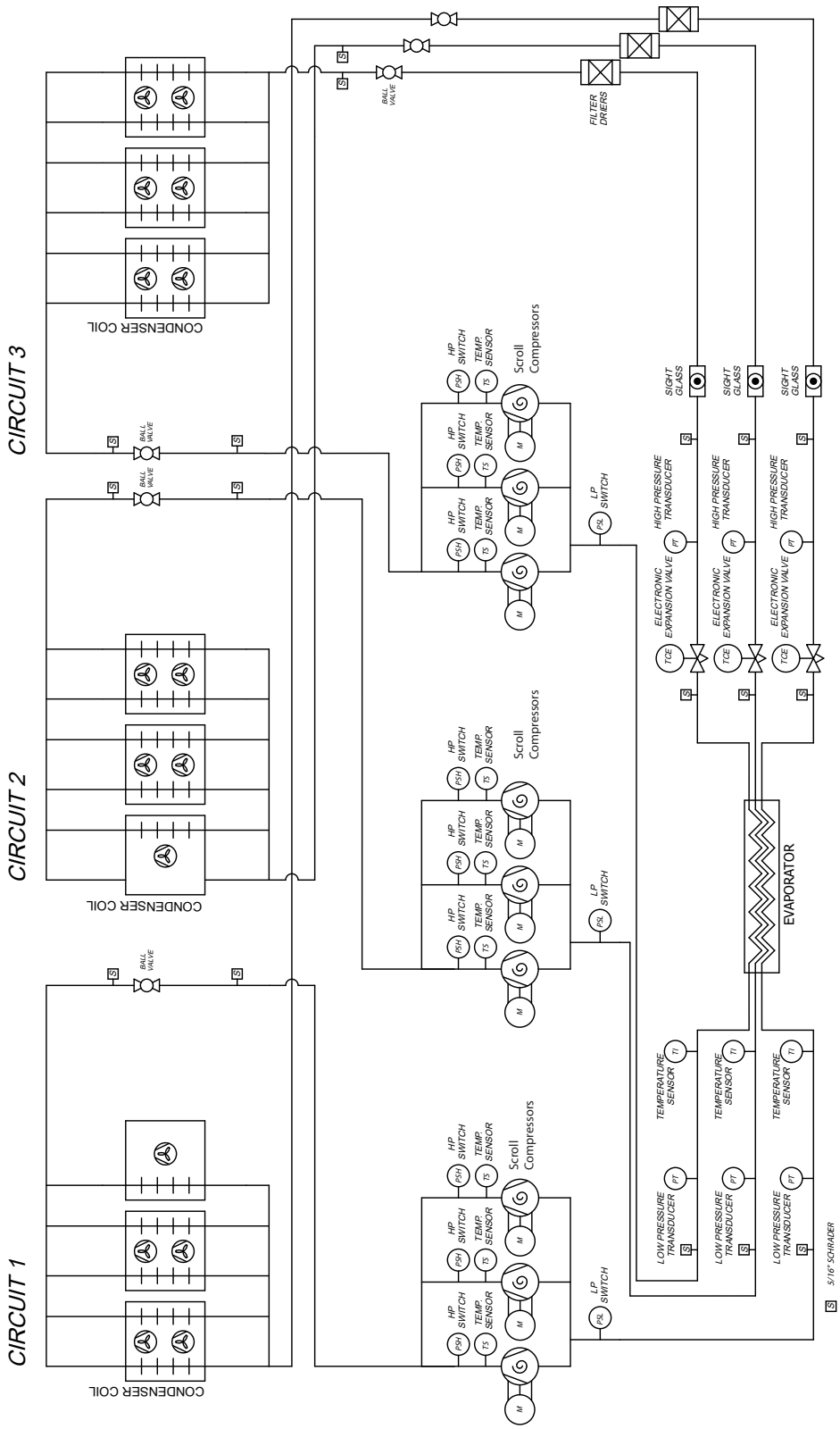
Standard Free Cool Circuit Incorporating
- Double Regulating Valve
- Mixing Valve
- 20 Mesh Water Filter (supplied loose)



The 20 Mesh water filter is supplied loose when

Installation Data

Refrigeration Schematic



Schematic shows a triple Circuit machine

Installation Data

Electrical

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

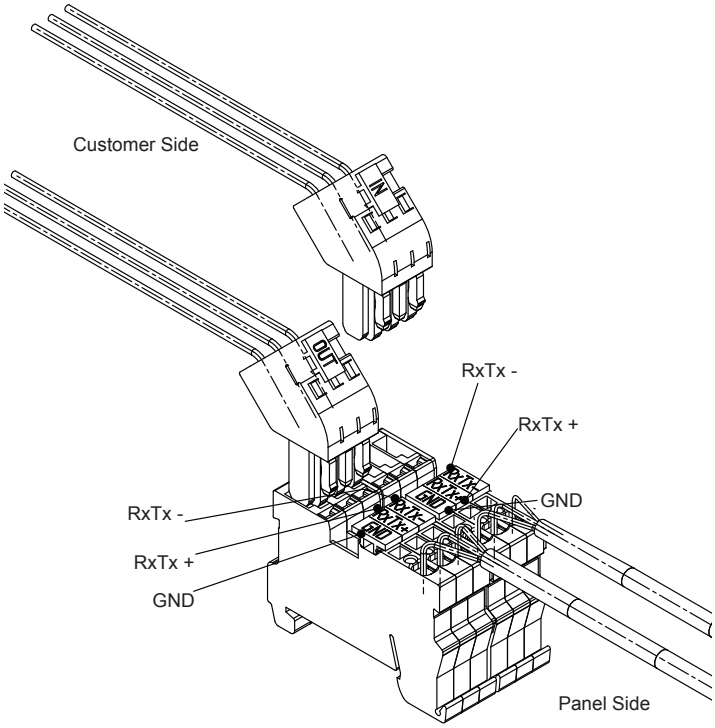
	L1	○	←		
	L2	○	←		Mains incoming supply 400V/3PH/50Hz
	L3	○	←		
	PE	○	←		
	L4	○	←		
	N1	○	←	(1)	Separate Permanent Supply 230V/1PH/50Hz
	PE	○	←		
	L4	○	→		External Trace Heating Connections
	N1	○	→		240V/500W max
	502	○	→		Unit Remote On/Off 24VAC
	505	○	←		
	500	○	→	(1)	**Evaporator Water Flow Switch 24VAC**
	504	○	←		
	502	○	→	(1)	**Remote Pump On / Off**
	515	○	←		
	502	○	→	(1)	**Remote Pump Interlock**
	529	○	←		
	500	○	→		Remote setpoint adjust
	825	○	←		
	573	○	←		Volt Free Common Alarm
	574	○	→	Non-Critical Alarm	Volt Free Alarm N/O
	575	○	→		Volt Free Alarm N/C
	576	○	←		Volt Free Common Alarm
	577	○	→	Critical Alarm	Volt Free Alarm N/O
	578	○	→		Volt Free Alarm N/C
	RX-/Tx-	○	←	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

⚠**IMPORTANT**	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.

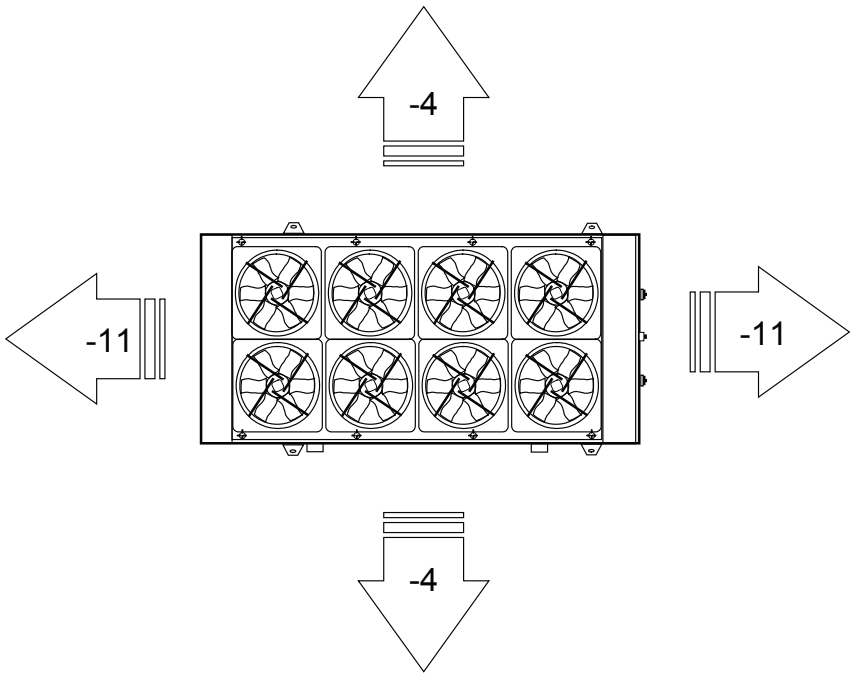
Sound Pressure Levels are calculated from sound power using the expanded parallelepiped method according to BS EN ISO 11203: 2009.
Resultant performance figures obtained from test will be proven to not differ from the claimed figures by more than the allowable deviations specified in table 7 of section 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:

$$\text{Vmin} = \frac{\text{Water Flow Rate (litres/hour)} \times \text{Minimum turndown ratio} \times 1.2}{\text{Maximum number of compressor starts (per hour)}}$$

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

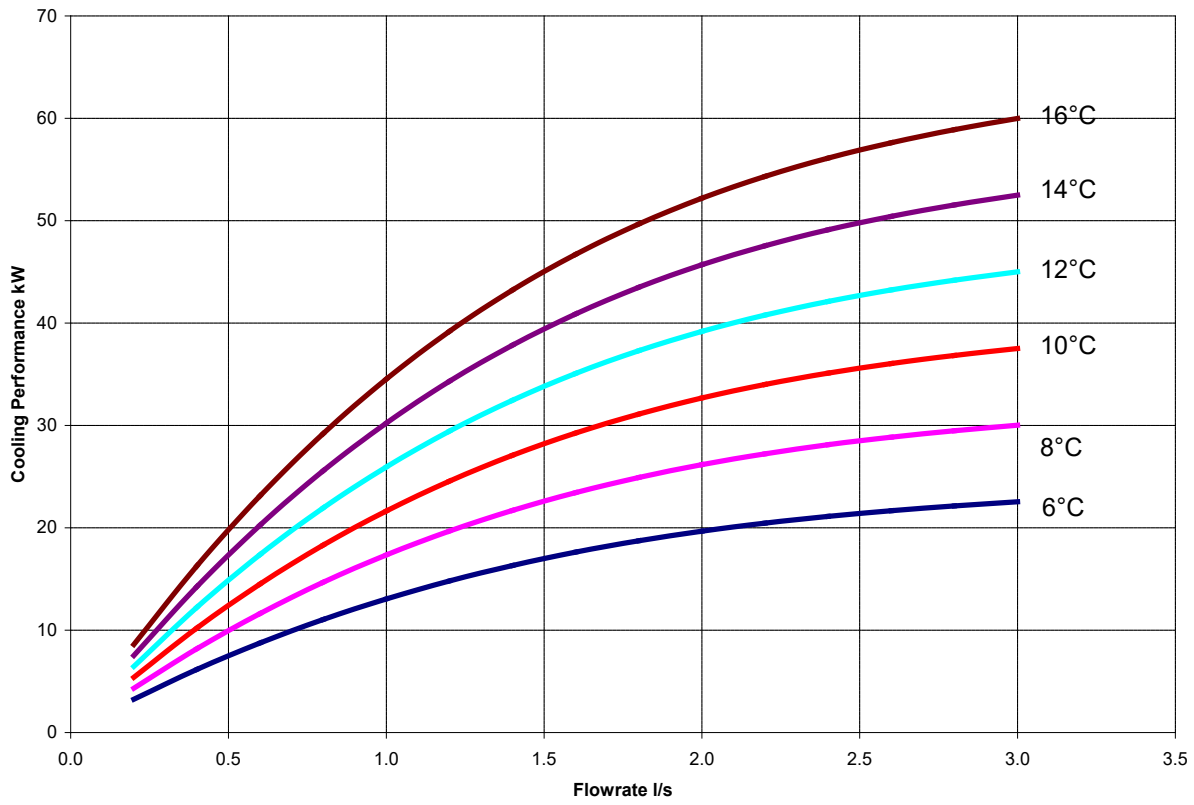
Return water temperature 14°C
Temperature difference from ambient to return water temperature 10 K
Therefore ambient 4°C

DCF047DX-09DXY0 chiller having 9 fans equates to

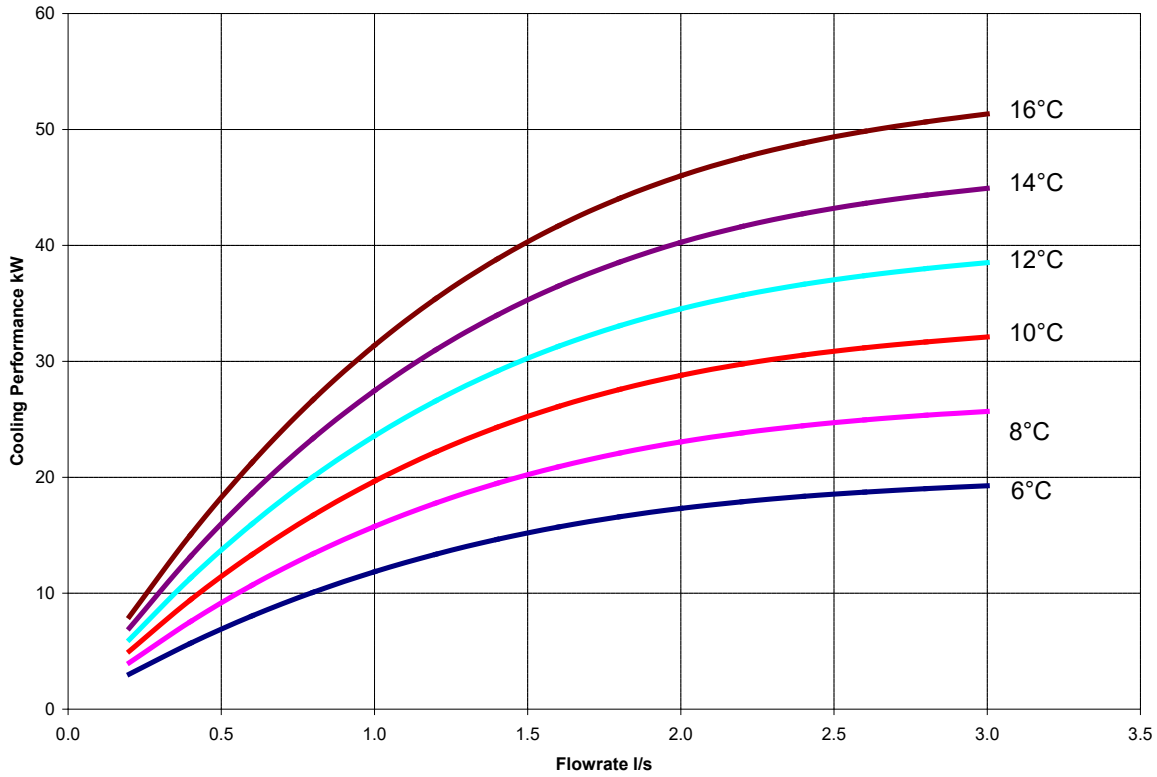
Cooling capacity	39kW x 9	=	351kW*
Flowrate	1.5 l/s x 9	=	13.5 l/s*

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

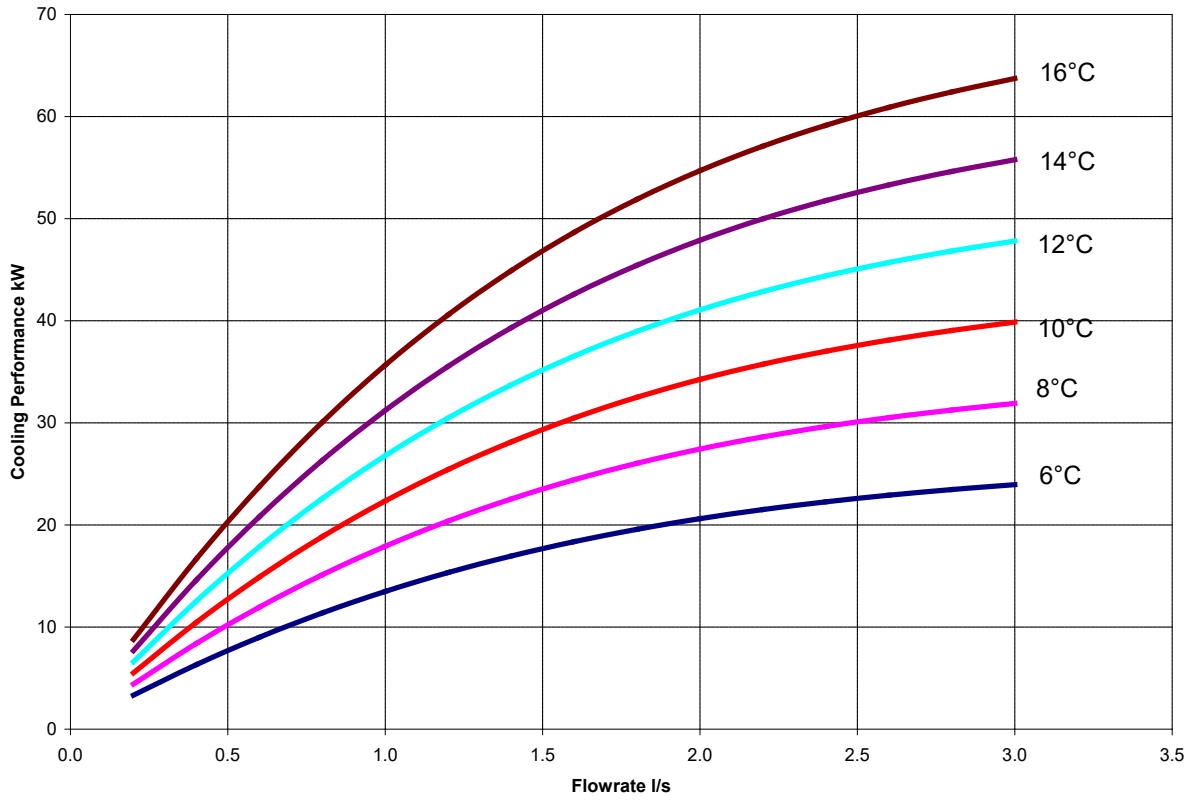
AC Fans Regular Quiet



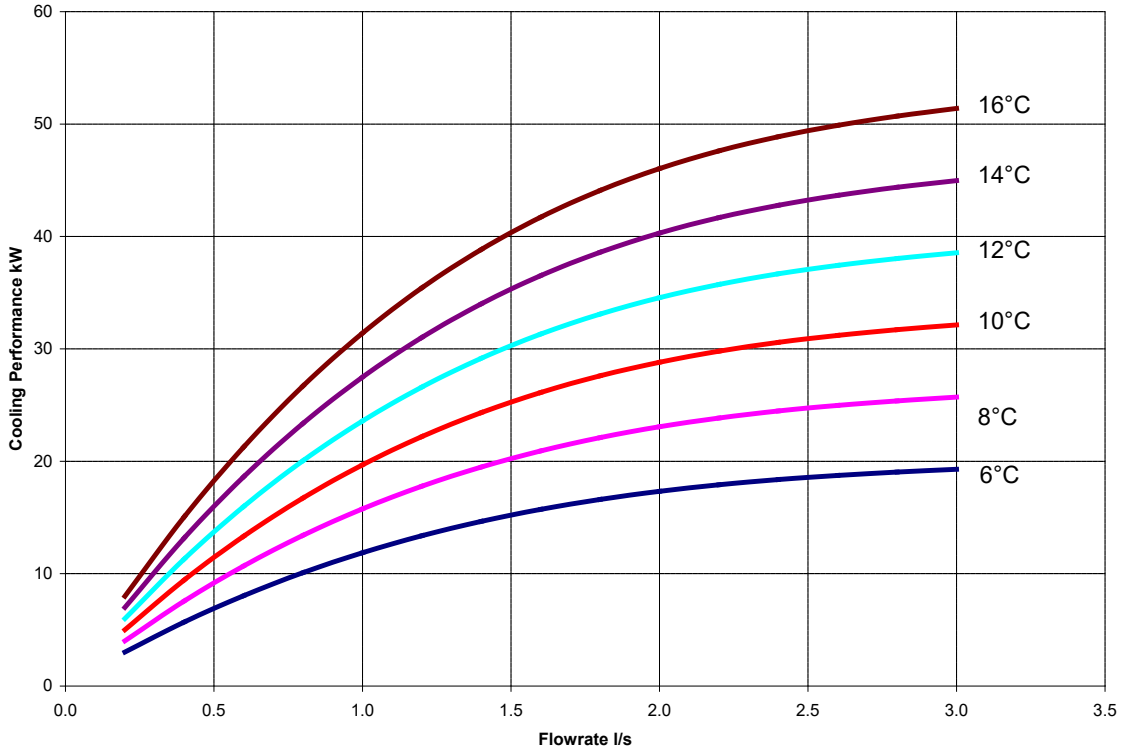
AC Fans Extra Quiet



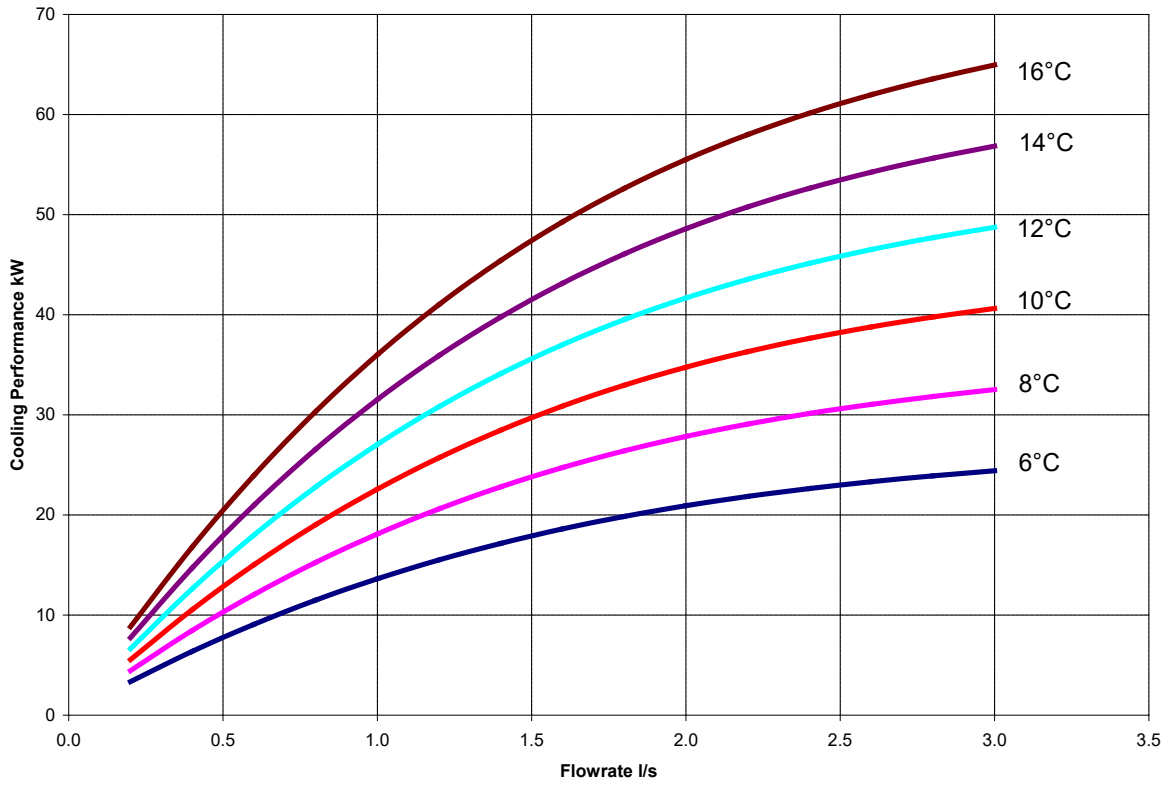
EC Fans Regular Quiet



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	475.9	137.9	450.2	150.9	421.0	165.5	389.7	182.0
		7	489.8	139.0	463.1	151.9	433.0	166.6	400.9	183.1
		8	503.9	140.1	476.1	153.0	445.2	167.7	412.2	184.2
		10	532.3	142.3	502.7	155.2	470.1	170.0	435.5	186.5
		12	561.0	144.6	529.8	157.6	495.7	172.4	459.4	188.9
		14	590.3	147.0	557.5	160.0	521.8	174.9	483.9	191.4
2	DCF048DR-07DPY0	6	493.0	142.2	465.9	155.6	435.4	170.7	402.8	187.4
		7	507.3	143.4	479.0	156.7	447.6	171.8	414.2	188.6
		8	521.7	144.6	492.4	157.9	460.1	173.0	425.7	189.7
		10	550.6	146.9	519.5	160.2	485.5	175.4	449.4	192.1
		12	580.0	149.3	547.3	162.7	511.6	177.9	473.8	194.6
		14	610.0	151.9	575.6	165.3	538.2	180.6	498.8	197.2
3	DCF051DR-08DPV0	6	515.2	143.8	488.1	158.0	458.1	174.3	424.6	192.0
		7	530.2	144.9	502.4	159.2	471.6	175.5	436.9	193.0
		8	545.4	146.1	516.9	160.4	485.2	176.6	449.3	194.1
		10	576.3	148.5	546.4	162.8	512.5	178.9	474.9	196.4
		12	608.0	151.1	576.6	165.4	540.5	181.3	501.1	198.8
		14	640.3	153.8	607.6	168.1	569.1	183.9	528.0	201.3
4	DCF053DR-08DYY0	6	535.2	156.1	507.5	170.9	475.4	187.4	440.8	205.7
		7	551.0	157.3	522.0	172.1	488.9	188.6	453.4	206.8
		8	567.1	158.7	536.7	173.3	502.7	189.8	466.2	208.1
		10	599.2	161.2	566.6	175.7	530.7	192.3	492.4	210.6
		12	631.5	163.7	597.2	178.3	559.5	194.9	519.4	213.2
		14	664.5	166.3	628.4	181.0	589.0	197.7	547.1	215.9
5	DCF055DR-09DYV0	6	557.0	157.6	529.3	173.3	497.6	191.0	462.3	210.2
		7	573.5	158.9	544.9	174.5	512.4	192.2	475.8	211.3
		8	590.4	160.2	560.7	175.8	527.3	193.5	489.4	212.5
		10	624.4	162.8	592.9	178.3	557.3	195.8	517.5	214.9
		12	658.9	165.4	626.0	181.0	588.0	198.4	546.3	217.4
		14	694.2	168.2	659.8	183.8	619.4	201.0	575.9	220.0
6	DCF058DR-10DVV0	6	578.7	159.1	551.1	175.7	519.9	194.5	483.7	214.8
		7	596.1	160.4	567.7	177.0	535.8	195.8	498.1	215.8
		8	613.7	161.7	584.6	178.2	552.0	197.1	512.7	216.9
		10	649.6	164.3	619.2	180.9	583.8	199.4	542.5	219.2
		12	686.4	167.1	654.8	183.7	616.4	201.8	573.2	221.5
		14	724.0	170.0	691.2	186.6	649.8	204.3	604.7	224.1
7	DCF062DR-10FVW0	6	627.3	173.4	596.1	190.9	559.8	210.4	519.0	231.6
		7	646.0	174.9	613.6	192.2	576.3	211.7	534.1	232.8
		8	664.8	176.3	631.3	193.6	592.7	213.0	549.4	234.1
		10	703.4	179.4	667.5	196.5	626.2	215.7	580.8	236.8
		12	742.5	182.4	704.6	199.5	660.6	218.5	613.0	239.6
		14	782.1	185.5	742.2	202.6	695.8	221.5	646.1	242.6

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	DCF065DR-10FWW0	6	660.5	186.6	627.1	205.0	587.0	225.1	543.8	247.7
		7	679.8	188.1	644.9	206.4	603.6	226.5	559.3	249.1
		8	699.3	189.7	662.9	207.8	620.5	228.0	575.0	250.5
		10	739.3	193.0	699.4	210.7	654.8	231.0	607.0	253.5
		12	779.2	196.2	736.7	213.8	690.0	234.1	640.0	256.7
		14	819.3	199.3	774.8	217.1	725.9	237.4	673.8	260.0
9	DCF069TR-10GPPY	6	701.6	205.0	663.1	224.5	619.9	246.5	573.6	270.9
		7	721.7	206.6	681.8	226.1	637.3	248.1	589.8	272.5
		8	742.0	208.3	700.7	227.7	655.0	249.8	606.2	274.2
		10	783.2	211.7	739.2	231.1	691.1	253.2	639.8	277.7
		12	824.7	215.2	778.5	234.7	728.0	256.9	674.4	281.3
		14	867.0	218.8	818.5	238.4	765.7	260.6	709.8	285.0
10	DCF074TR-11GPYY	6	759.6	220.1	718.6	241.0	672.1	264.3	622.2	290.2
		7	781.7	222.0	739.0	242.7	691.1	266.0	639.9	291.9
		8	804.1	223.8	759.7	244.4	710.4	267.8	657.9	293.7
		10	849.1	227.4	801.7	248.0	749.8	271.4	694.6	297.3
		12	894.5	231.1	844.7	251.8	790.2	275.3	732.4	301.1
		14	940.9	234.9	888.5	255.7	831.5	279.3	771.2	305.1
11	DCF079TR-12GYYY	6	806.7	234.4	764.7	256.6	716.0	281.4	663.8	308.7
		7	830.4	236.3	786.4	258.4	736.4	283.1	682.8	310.5
		8	854.6	238.3	808.5	260.2	757.1	285.0	702.0	312.4
		10	902.7	242.1	853.4	263.9	799.2	288.7	741.4	316.1
		12	951.2	245.9	899.3	267.8	842.5	292.7	781.9	320.1
		14	1000.6	249.8	946.2	271.9	886.7	296.8	823.5	324.2
12	DCF082TR-13HYYV	6	827.3	235.8	786.6	259.0	739.5	285.0	687.3	313.5
		7	851.5	237.7	809.2	260.8	760.8	286.8	707.0	315.2
		8	876.0	239.6	832.1	262.6	782.5	288.7	727.0	316.9
		10	925.3	243.4	878.7	266.4	826.1	292.3	767.9	320.6
		12	975.0	247.2	926.3	270.3	870.7	296.1	810.0	324.4
		14	1025.4	251.2	974.7	274.4	916.3	300.1	853.1	328.3
13	DCF085TR-14HYVV	6	848.6	237.3	808.0	261.4	761.5	288.5	708.6	318.0
		7	873.5	239.1	831.7	263.2	784.0	290.4	729.1	319.6
		8	898.7	241.0	855.6	265.0	806.8	292.3	750.0	321.3
		10	949.6	244.9	904.3	268.9	852.2	295.8	792.6	324.8
		12	1001.3	248.8	954.2	272.9	898.6	299.4	836.5	328.5
		14	1053.6	252.9	1004.9	277.0	946.0	303.3	881.4	332.3
14	DCF090TR-15HVVV	6	887.7	240.1	845.5	265.0	797.8	293.3	741.6	323.3
		7	914.1	242.0	870.9	266.9	822.1	295.2	763.5	325.0
		8	940.9	244.0	896.6	268.9	845.9	296.9	785.7	326.6
		10	995.5	248.0	949.2	272.9	894.4	300.4	831.1	330.1
		12	1051.4	252.3	1003.3	277.2	944.0	304.1	877.8	333.8
		14	1108.4	256.7	1058.4	281.6	994.7	308.0	925.8	337.7

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
15	DCF092TR-15HVVW	6	919.6	253.1	875.6	279.0	824.3	308.0	765.8	339.3
		7	946.6	255.2	901.2	281.0	848.7	310.0	788.0	341.1
		8	973.9	257.2	927.1	283.0	872.9	311.8	810.6	343.0
		10	1029.6	261.5	980.1	287.1	922.0	315.6	856.7	346.8
		12	1086.4	265.9	1034.2	291.5	972.3	319.6	904.0	350.8
		14	1143.7	270.4	1089.4	296.0	1023.6	323.8	952.6	355.0
16	DCF094TR-15HVWW	6	951.5	266.2	905.7	293.0	850.8	322.7	790.0	355.4
		7	979.0	268.3	931.5	295.0	875.3	324.7	812.5	357.3
		8	1007.0	270.5	957.7	297.1	899.8	326.7	835.4	359.3
		10	1063.8	275.0	1010.9	301.3	949.6	330.8	882.2	363.4
		12	1121.5	279.6	1065.2	305.7	1000.6	335.1	930.2	367.7
		14	1178.9	284.1	1120.4	310.3	1052.6	339.7	979.4	372.3
17	DCF096TR-15HWWW	6	975.1	278.5	928.3	306.5	870.5	336.8	808.0	370.8
		7	1003.2	280.8	954.3	308.5	895.0	338.9	830.8	372.9
		8	1031.6	283.1	980.6	310.6	919.7	341.0	854.0	375.1
		10	1089.3	287.8	1034.0	314.8	970.1	345.4	901.2	379.5
		12	1148.1	292.6	1088.3	319.3	1021.6	350.0	949.7	384.1
		14	1205.5	297.1	1143.4	324.0	1074.0	354.8	999.4	388.9
18	DCF049DR-09DXY0	6	486.3	130.6	462.3	143.7	436.1	158.7	407.7	175.6
		7	500.5	131.6	476.2	144.7	449.4	159.7	420.2	176.6
		8	515.3	132.6	490.4	145.8	462.9	160.8	433.0	177.7
		10	545.1	134.7	519.4	148.0	490.5	163.0	458.9	179.8
		12	576.1	136.9	549.2	150.2	519.1	165.3	485.1	181.8
		14	607.9	139.3	579.9	152.6	548.5	167.7	512.0	183.8
19	DCF051DR-09DPY0	6	504.9	134.7	480.3	148.3	453.0	163.7	423.3	180.9
		7	520.0	135.8	494.7	149.4	466.7	164.8	436.0	181.9
		8	535.2	136.9	509.3	150.5	480.6	165.9	448.9	182.9
		10	566.1	139.1	539.2	152.8	509.2	168.2	475.0	184.9
		12	598.1	141.6	570.0	155.2	538.5	170.6	501.7	186.9
		14	630.9	144.1	601.6	157.7	568.2	172.9	529.1	189.0
20	DCF053DR-10DPV0	6	526.7	137.1	500.8	151.1	472.0	167.1	440.8	185.2
		7	542.2	138.1	515.5	152.1	486.3	168.2	454.2	186.2
		8	558.2	139.2	531.3	153.3	501.0	169.3	467.8	187.2
		10	590.7	141.5	562.2	155.5	530.9	171.6	495.6	189.4
		12	624.1	143.9	594.5	157.9	561.7	174.0	524.4	191.6
		14	658.2	146.4	627.5	160.4	592.8	176.3	554.0	193.9
21	DCF055DR-10DYY0	6	545.3	148.7	518.9	163.6	490.0	180.6	458.5	199.5
		7	561.5	149.9	534.5	164.8	504.9	181.8	472.5	200.7
		8	577.4	150.9	550.3	166.0	519.9	183.0	486.8	201.9
		10	611.5	153.5	582.7	168.5	550.8	185.5	515.5	204.1
		12	645.7	155.9	616.0	171.0	582.7	188.1	544.6	206.3
		14	681.1	158.6	650.2	173.7	615.5	190.8	574.5	208.5

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
22	DCF058DR-11DYV0	6	566.5	151.1	539.1	166.5	508.9	184.1	475.8	203.8
		7	583.4	152.2	555.4	167.7	524.2	185.2	490.4	205.0
		8	600.2	153.3	571.9	168.8	539.9	186.4	505.4	206.2
		10	635.6	155.8	605.3	171.2	572.3	188.9	535.7	208.5
		12	671.4	158.3	640.1	173.7	605.6	191.5	566.8	210.9
		14	708.2	160.9	675.8	176.4	639.8	194.1	598.9	213.3
23	DCF060DR-12DVV0	6	587.6	153.4	559.3	169.4	527.7	187.6	493.0	208.2
		7	605.2	154.5	576.3	170.5	543.5	188.6	508.3	209.3
		8	623.1	155.6	593.5	171.7	560.0	189.8	523.9	210.5
		10	659.6	158.1	627.9	173.9	593.7	192.3	555.9	212.9
		12	697.0	160.6	664.2	176.4	628.5	194.8	589.1	215.5
		14	735.2	163.3	701.3	179.1	664.1	197.5	623.2	218.1
24	DCF065DR-12FVW0	6	637.2	166.9	606.0	183.9	571.2	203.4	533.7	225.4
		7	655.8	168.1	624.2	185.3	588.6	204.8	550.0	226.7
		8	675.1	169.4	642.7	186.6	606.2	206.1	566.4	228.0
		10	714.4	172.2	680.2	189.3	642.4	208.9	600.0	230.5
		12	754.8	175.1	719.1	192.2	679.7	211.8	634.6	233.2
		14	796.0	178.2	759.0	195.3	717.5	214.7	670.3	236.0
25	DCF068DR-12FWW0	6	670.9	179.3	638.1	197.5	602.0	218.4	562.8	241.8
		7	689.8	180.6	657.0	199.0	620.1	219.9	579.7	243.2
		8	709.8	182.0	676.2	200.4	638.4	221.3	596.4	244.4
		10	750.6	185.1	715.4	203.5	675.9	224.4	630.5	247.0
		12	792.4	188.2	755.7	206.6	714.5	227.6	665.6	249.7
		14	835.0	191.5	796.9	209.9	753.2	230.6	701.5	252.5
26	DCF073TR-13GPPY	6	718.7	193.6	684.4	213.4	645.8	235.8	603.8	260.9
		7	740.9	195.4	704.9	215.0	665.3	237.4	622.0	262.3
		8	762.0	196.8	725.6	216.6	685.0	239.0	640.2	263.8
		10	805.8	200.0	768.0	219.8	725.6	242.3	677.5	266.6
		12	851.1	203.4	811.6	223.2	767.3	245.7	715.5	269.5
		14	897.4	206.9	856.3	226.7	809.3	249.0	754.5	272.5
27	DCF078TR-14GPYY	6	776.7	209.0	738.7	230.0	697.0	253.9	651.5	280.6
		7	799.6	210.6	760.8	231.7	718.0	255.6	671.2	282.2
		8	822.4	212.2	783.3	233.4	739.4	257.3	691.3	283.8
		10	870.3	215.7	829.3	236.9	783.3	260.9	731.6	286.9
		12	919.5	219.4	876.7	240.6	828.6	264.5	772.8	290.0
		14	969.9	223.2	925.3	244.4	874.6	268.2	815.1	293.2
28	DCF082TR-15GYYY	6	822.0	223.4	782.2	245.7	738.5	271.2	690.8	299.5
		7	846.3	225.1	805.6	247.5	760.7	273.0	711.9	301.3
		8	870.2	226.7	829.4	249.3	783.4	274.8	733.4	303.2
		10	920.8	230.4	878.0	253.0	829.8	278.5	776.3	306.4
		12	972.8	234.2	928.0	256.9	877.8	282.4	820.0	309.7
		14	1026.0	238.2	979.4	260.9	927.1	286.4	865.0	313.1

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
29	DCF085TR-16HYYV	6	841.6	225.5	802.0	248.5	757.7	274.6	709.6	303.9
		7	866.3	227.2	825.8	250.2	780.5	276.4	731.1	305.7
		8	890.6	228.8	849.9	252.0	803.6	278.2	753.1	307.5
		10	941.6	232.4	899.1	255.6	850.8	281.8	797.4	310.9
		12	993.7	236.1	949.2	259.3	899.3	285.6	842.7	314.3
		14	1046.5	240.0	1000.7	263.2	949.1	289.6	889.2	317.8
30	DCF088TR-17HYVV	6	862.2	227.8	821.8	251.4	776.1	278.0	726.6	308.2
		7	887.5	229.5	846.2	253.0	799.5	279.8	748.8	310.0
		8	912.8	231.1	871.0	254.8	823.2	281.5	771.4	311.8
		10	965.0	234.7	921.4	258.3	871.8	285.2	817.3	315.3
		12	1018.2	238.4	972.4	261.9	921.6	288.9	864.5	318.8
		14	1072.1	242.2	1025.1	265.8	972.6	292.9	912.9	322.6
31	DCF093TR-18HVVV	6	901.3	231.3	858.2	255.3	809.2	282.5	756.6	313.6
		7	928.2	233.0	884.0	257.1	833.9	284.3	780.0	315.3
		8	955.4	234.8	909.0	258.5	859.1	286.1	803.9	317.1
		10	1010.9	238.5	962.7	262.3	910.5	289.9	852.8	320.9
		12	1067.6	242.4	1017.9	266.2	963.4	293.8	903.3	324.8
		14	1123.7	246.1	1074.3	270.3	1017.7	297.9	955.4	328.8
32	DCF095TR-18HVVW	6	933.2	243.5	889.2	268.8	839.1	297.4	784.9	329.8
		7	960.7	245.4	915.6	270.7	864.4	299.3	808.9	331.7
		8	988.9	247.4	941.6	272.3	890.1	301.2	833.1	333.6
		10	1045.2	251.2	996.4	276.3	942.7	305.2	882.4	337.3
		12	1103.0	255.3	1052.6	280.4	996.7	309.4	933.3	341.2
		14	1160.7	259.3	1110.0	284.7	1051.9	313.6	985.7	345.3
33	DCF098TR-18HVWW	6	965.1	255.8	920.1	282.3	869.0	312.3	813.3	346.1
		7	993.2	257.7	947.2	284.2	894.8	314.3	837.8	348.2
		8	1022.4	259.9	974.2	286.1	921.1	316.4	862.3	350.0
		10	1079.5	263.9	1030.2	290.3	974.8	320.6	912.1	353.8
		12	1138.5	268.2	1087.4	294.7	1030.0	325.0	963.4	357.7
		14	1197.6	272.5	1145.7	299.2	1086.2	329.4	1016.0	361.8
34	DCF100TR-18HWWW	6	988.5	267.4	943.1	295.1	891.4	326.6	834.7	361.8
		7	1018.3	269.7	970.6	297.2	917.7	328.7	859.7	364.0
		8	1046.1	271.6	998.6	299.3	944.5	330.9	884.7	366.0
		10	1105.0	275.9	1055.5	303.7	999.1	335.3	934.8	369.7
		12	1164.9	280.4	1113.6	308.2	1055.1	339.9	986.2	373.6
		14	1225.5	285.0	1172.7	312.9	1112.4	344.6	1038.9	377.7
35	DCF051DR-11DXY0	6	494.1	125.8	470.0	138.5	443.4	153.0	414.4	169.3
		7	508.9	126.7	484.2	139.4	456.9	153.9	427.0	170.2
		8	523.9	127.6	498.7	140.3	470.7	154.8	440.0	171.1
		10	554.7	129.5	528.2	142.3	498.9	156.8	466.5	173.1
		12	586.2	131.5	558.6	144.3	527.7	158.8	494.3	175.2
		14	618.5	133.7	589.9	146.5	557.7	161.0	523.0	177.4

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
36	DCF053DR-11DPY0	6	513.5	129.6	488.4	142.7	460.7	157.6	430.2	174.3
		7	528.8	130.6	503.1	143.7	474.2	158.5	443.2	175.2
		8	544.3	131.6	518.0	144.7	488.4	159.5	456.7	176.2
		10	576.1	133.6	548.5	146.8	517.6	161.6	484.3	178.3
		12	608.7	135.8	579.9	148.9	547.4	163.7	513.0	180.5
		14	642.1	138.1	612.1	151.2	578.4	166.0	542.5	182.8
37	DCF055DR-12DPV0	6	534.4	132.3	508.3	146.0	479.4	161.6	447.8	179.2
		7	550.4	133.3	523.7	147.0	494.0	162.5	461.4	180.1
		8	566.6	134.3	539.3	147.9	508.5	163.4	475.5	181.1
		10	599.8	136.4	571.2	150.0	539.4	165.6	504.0	183.0
		12	633.8	138.6	604.0	152.2	570.5	167.7	534.4	185.3
		14	668.6	140.9	637.6	154.5	602.9	170.0	564.9	187.5
38	DCF057DR-12DYY0	6	553.1	143.6	526.7	158.2	497.4	174.6	465.4	193.0
		7	569.6	144.6	542.6	159.2	512.4	175.7	479.1	193.9
		8	586.4	145.7	558.6	160.3	527.7	176.8	493.7	195.1
		10	620.6	147.9	591.6	162.5	558.5	178.8	523.6	197.4
		12	655.8	150.2	625.5	164.8	591.1	181.2	554.5	199.7
		14	691.8	152.7	660.2	167.2	624.5	183.6	586.5	202.2
39	DCF059DR-13DYV0	6	573.7	146.3	546.3	161.4	515.8	178.6	482.4	197.8
		7	590.9	147.3	562.8	162.5	531.5	179.6	497.0	198.8
		8	608.4	148.4	579.6	163.5	547.5	180.7	512.2	199.9
		10	644.0	150.6	614.0	165.7	580.0	182.8	543.4	202.2
		12	680.6	153.0	649.2	168.1	613.9	185.2	575.3	204.4
		14	718.0	155.4	685.4	170.5	648.7	187.6	608.6	206.8
40	DCF062DR-14DVV0	6	594.2	149.0	565.9	164.7	534.2	182.5	499.4	202.6
		7	612.1	150.0	583.1	165.7	550.6	183.5	514.9	203.7
		8	630.3	151.1	600.5	166.7	567.3	184.6	530.7	204.7
		10	667.4	153.4	636.3	169.0	601.5	186.8	563.2	206.9
		12	705.4	155.7	673.0	171.3	636.7	189.1	596.0	209.0
		14	744.2	158.2	710.7	173.8	672.9	191.6	630.7	211.5
41	DCF066DR-14FVW0	6	645.0	161.9	613.5	178.6	578.3	197.6	540.4	219.1
		7	664.2	163.1	632.0	179.8	596.3	198.9	557.1	220.3
		8	683.7	164.4	650.8	181.1	613.9	200.0	574.1	221.6
		10	723.7	166.9	689.3	183.6	650.7	202.6	608.9	224.2
		12	764.6	169.6	728.8	186.3	688.5	205.3	644.6	226.7
		14	806.4	172.5	768.8	189.0	727.4	208.1	681.8	229.6
42	DCF070DR-14FWW0	6	679.2	173.9	646.3	191.7	609.0	211.8	569.6	234.8
		7	699.2	175.2	665.5	193.0	628.0	213.3	586.9	236.1
		8	719.4	176.5	685.0	194.4	646.0	214.5	604.5	237.5
		10	760.8	179.3	724.8	197.1	684.2	217.4	640.7	240.4
		12	803.0	182.2	765.6	200.1	723.4	220.3	678.1	243.3
		14	846.2	185.3	806.6	202.9	763.7	223.4	716.6	246.4

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
43	DCF075TR-16GPPY	6	731.5	186.2	696.2	205.2	657.0	226.8	613.4	250.8
		7	753.2	187.5	717.0	206.6	676.8	228.2	632.7	252.4
		8	775.2	188.9	738.2	208.0	696.5	229.5	651.4	253.7
		10	820.2	191.9	781.5	210.9	738.3	232.5	690.7	256.7
		12	866.3	194.9	825.9	213.9	780.3	235.4	731.4	259.8
		14	913.5	198.1	871.6	217.1	823.9	238.6	773.3	263.0
44	DCF080TR-17GPYY	6	788.9	201.3	750.6	221.7	708.2	244.9	661.3	270.5
		7	812.3	202.8	773.2	223.2	729.7	246.4	682.1	272.2
		8	836.2	204.3	796.2	224.8	751.6	247.9	702.4	273.7
		10	885.0	207.5	843.0	227.9	795.6	250.9	744.9	276.9
		12	935.1	210.8	891.3	231.2	841.9	254.3	789.0	280.3
		14	986.4	214.3	940.8	234.7	889.3	257.7	834.4	283.8
45	DCF085TR-18GYYY	6	833.8	215.6	793.9	237.5	749.5	262.2	700.4	289.5
		7	858.6	217.2	817.7	239.1	772.3	263.8	722.6	291.4
		8	883.8	218.8	842.0	240.7	795.3	265.4	743.8	292.9
		10	935.2	222.1	891.4	244.0	841.5	268.5	788.8	296.3
		12	988.0	225.6	942.3	247.5	890.4	272.0	835.3	299.9
		14	1042.1	229.2	994.5	251.1	940.7	275.8	883.3	303.6
46	DCF088TR-19HYYV	6	852.5	218.2	812.8	240.6	768.4	266.1	719.1	294.5
		7	877.5	219.7	837.0	242.2	791.5	267.7	741.0	296.1
		8	902.9	221.3	861.5	243.8	814.9	269.3	763.3	297.7
		10	954.6	224.5	911.5	247.0	862.9	272.6	809.1	301.1
		12	1007.3	228.0	962.6	250.4	911.6	275.8	855.9	304.4
		14	1060.9	231.5	1014.8	254.0	962.2	279.4	904.5	308.1
47	DCF090TR-20HYVV	6	872.5	220.9	832.0	243.9	786.5	270.0	736.1	299.3
		7	898.1	222.4	856.8	245.4	810.2	271.6	758.7	300.9
		8	924.2	224.0	881.9	247.0	834.3	273.2	781.6	302.5
		10	977.0	227.2	933.2	250.2	883.5	276.4	828.5	305.8
		12	1030.9	230.6	985.6	253.6	933.8	279.8	876.2	309.0
		14	1085.5	234.1	1038.9	257.2	985.5	283.3	926.1	312.7
48	DCF095TR-21HVVV	6	911.6	224.7	868.3	248.2	819.8	274.9	766.5	305.1
		7	938.8	226.3	894.5	249.7	844.9	276.5	790.2	306.7
		8	966.4	227.9	921.1	251.4	870.3	278.1	812.9	307.8
		10	1022.9	231.4	975.6	254.8	922.4	281.5	863.9	311.8
		12	1080.5	235.0	1031.3	258.3	976.0	285.1	915.0	315.3
		14	1139.2	238.8	1088.4	262.1	1029.2	288.3	966.9	318.8
49	DCF098TR-21HVVW	6	944.4	236.5	899.9	261.1	849.9	289.2	794.8	320.7
		7	972.2	238.2	926.7	262.8	875.2	290.8	819.1	322.4
		8	1000.5	239.9	953.9	264.5	901.3	292.5	842.9	323.9
		10	1058.0	243.6	1009.4	268.1	954.6	296.1	894.7	327.9
		12	1116.6	247.4	1065.8	271.8	1009.4	299.9	946.9	331.6
		14	1176.1	251.3	1123.9	275.8	1064.3	303.6	1000.3	335.5

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
50	DCF101TR-21HVWW	6	977.2	248.3	931.4	274.1	880.0	303.4	823.2	336.3
		7	1005.6	250.1	958.8	275.9	905.5	305.0	848.1	338.1
		8	1034.5	252.0	986.6	277.7	932.2	306.9	873.0	339.9
		10	1093.1	255.8	1043.3	281.5	986.8	310.8	925.4	344.0
		12	1152.7	259.7	1100.3	285.2	1042.7	314.8	978.9	348.0
		14	1213.1	263.8	1159.4	289.4	1099.3	318.8	1033.7	352.1
51	DCF103TR-21HWWW	6	1001.5	259.6	954.8	286.5	902.5	317.1	844.5	351.3
		7	1030.5	261.5	982.8	288.4	928.1	318.7	869.9	353.3
		8	1059.7	263.4	1011.0	290.3	956.3	321.0	895.7	355.3
		10	1119.2	267.4	1068.7	294.3	1010.9	324.8	948.6	359.5
		12	1179.6	271.5	1125.9	298.1	1067.8	329.0	1003.1	363.8
		14	1240.9	275.7	1186.0	302.4	1125.9	333.4	1059.1	368.2
52	DCF047DX-09DXY0	6	474.5	130.5	446.9	143.7	417.2	158.7	385.3	175.6
		7	487.9	131.5	459.6	144.8	428.9	159.9	396.2	176.7
		8	501.5	132.6	472.4	146.0	440.9	161.0	407.2	177.9
		10	529.1	134.9	498.4	148.3	465.3	163.5	429.8	180.4
		12	557.3	137.3	525.0	150.8	490.2	166.1	453.0	183.1
		14	586.0	139.9	552.2	153.5	515.7	168.8	476.8	185.8
53	DCF049DX-09DPY0	6	491.2	134.8	462.4	148.5	431.3	163.9	398.0	181.1
		7	505.0	135.9	475.3	149.7	443.3	165.2	409.1	182.3
		8	518.9	137.1	488.4	150.9	455.5	166.4	420.4	183.6
		10	547.2	139.6	515.0	153.4	480.4	169.0	443.4	186.2
		12	576.0	142.2	542.2	156.1	505.8	171.7	467.0	188.9
		14	605.4	144.9	569.9	158.8	531.7	174.5	491.2	191.8
54	DCF051DX-10DPV0	6	515.0	136.8	485.2	151.0	452.9	167.1	418.2	185.0
		7	529.6	137.9	499.0	152.1	465.8	168.2	430.1	186.2
		8	544.4	139.1	512.9	153.3	478.8	169.4	442.2	187.4
		10	574.5	141.5	541.3	155.7	505.4	171.9	466.9	189.9
		12	605.1	144.0	570.3	158.3	532.6	174.5	492.2	192.6
		14	636.3	146.7	599.8	161.0	560.3	177.3	518.1	195.4
55	DCF053DX-10DYY0	6	531.6	148.7	501.2	163.8	468.3	180.8	433.0	199.5
		7	546.6	149.9	515.3	165.1	481.4	182.1	445.1	200.9
		8	561.7	151.2	529.5	166.4	494.7	183.4	457.4	202.2
		10	592.5	153.8	558.6	169.1	521.9	186.2	482.6	205.0
		12	624.0	156.5	588.2	171.9	549.7	189.0	508.5	207.9
		14	655.9	159.4	618.5	174.8	578.1	192.0	535.0	211.0
56	DCF055DX-11DYV0	6	554.9	150.7	523.6	166.3	489.5	183.9	452.9	203.5
		7	570.8	151.9	538.5	167.5	503.5	185.1	465.8	204.8
		8	586.8	153.2	553.7	168.8	517.7	186.4	478.9	206.1
		10	619.4	155.7	584.5	171.4	546.5	189.1	505.8	208.8
		12	652.6	158.4	615.9	174.1	576.1	191.9	533.3	211.6
		14	686.4	161.2	648.0	177.0	606.3	194.8	561.5	214.6

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

DCF Performance Data EC Fans

			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	DCF058DX-12DVV0	6	578.3	152.8	546.0	168.8	510.8	187.0	472.8	207.4
		7	595.0	153.9	561.8	170.0	525.6	188.2	486.5	208.6
		8	611.9	155.1	577.8	171.2	540.6	189.4	500.4	209.9
		10	646.2	157.6	610.4	173.7	571.2	192.0	528.9	212.5
		12	681.3	160.3	643.6	176.4	602.5	194.7	558.1	215.3
		14	716.9	163.1	677.5	179.2	634.5	197.6	588.1	218.2
58	DCF062DX-12FVW0	6	622.8	166.6	586.7	183.9	547.7	203.4	505.8	225.3
		7	640.4	168.0	603.4	185.2	563.2	204.8	520.1	226.7
		8	658.3	169.4	620.2	186.7	578.9	206.3	534.6	228.2
		10	694.6	172.3	654.5	189.7	611.0	209.4	564.4	231.3
		12	731.6	175.4	689.4	192.8	643.8	212.6	594.9	234.6
		14	769.2	178.7	725.0	196.2	677.2	216.0	626.1	238.0
59	DCF065DX-12FWW0	6	652.6	179.4	614.4	197.9	573.2	218.9	528.9	242.3
		7	670.7	180.9	631.5	199.5	589.0	220.5	543.6	244.0
		8	689.0	182.5	648.7	201.1	605.1	222.2	558.4	245.7
		10	726.1	185.7	683.7	204.5	637.8	225.6	588.7	249.1
		12	763.9	189.1	719.3	208.0	671.2	229.2	619.7	252.8
		14	802.2	192.7	755.6	211.6	705.2	232.9	651.4	256.6
60	DCF069TX-13GPPY	6	700.4	193.9	659.7	213.8	615.6	236.2	568.4	261.2
		7	720.0	195.5	678.1	215.5	632.8	238.0	584.3	263.0
		8	739.8	197.2	696.7	217.2	650.2	239.7	600.3	264.8
		10	780.0	200.6	734.6	220.8	685.6	243.4	633.1	268.5
		12	821.0	204.3	773.3	224.5	721.8	247.2	666.8	272.4
		14	862.6	208.1	812.7	228.4	758.7	251.2	701.2	276.4
61	DCF075TX-14GPYY	6	756.0	209.0	711.9	230.3	664.4	254.2	613.6	280.8
		7	777.2	210.8	731.9	232.1	683.0	256.1	630.7	282.7
		8	798.7	212.6	752.1	234.0	701.8	258.0	648.1	284.6
		10	842.3	216.4	793.2	237.8	740.2	261.9	683.7	288.6
		12	886.8	220.3	835.1	241.9	779.5	266.0	720.1	292.7
		14	932.0	224.5	877.9	246.1	819.6	270.4	757.5	297.1
62	DCF079TX-15GYYY	6	801.0	223.3	755.0	246.0	705.2	271.4	651.9	299.6
		7	823.5	225.2	776.2	247.9	725.0	273.4	670.2	301.6
		8	846.3	227.1	797.6	249.9	745.0	275.4	688.7	303.6
		10	892.6	231.0	841.2	253.9	785.8	279.5	726.5	307.8
		12	939.7	235.1	885.8	258.1	827.5	283.9	765.4	312.2
		14	987.7	239.5	931.2	262.6	870.2	288.4	805.2	316.8

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

DCF Performance Data EC Fans

			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	DCF082TX-16HYYV	6	823.6	225.3	777.8	248.5	727.8	274.7	673.9	303.7
		7	846.7	227.1	799.6	250.4	748.3	276.6	692.9	305.7
		8	870.0	228.9	821.7	252.2	769.0	278.5	712.1	307.7
		10	917.3	232.7	866.5	256.2	810.9	282.6	751.4	311.8
		12	965.3	236.7	912.2	260.3	854.2	286.7	791.7	316.0
		14	1014.0	240.9	958.6	264.6	898.1	291.2	832.9	320.5
64	DCF085TX-17HYVV	6	846.5	227.3	799.9	251.0	748.9	277.8	693.7	307.6
		7	870.4	229.0	822.5	252.8	770.1	279.6	713.4	309.5
		8	894.5	230.8	845.4	254.6	791.6	281.5	733.4	311.5
		10	943.4	234.6	891.9	258.4	835.0	285.5	774.3	315.5
		12	993.0	238.5	939.2	262.5	880.1	289.5	816.2	319.7
		14	1043.2	242.6	987.3	266.7	925.7	293.9	859.1	324.1
65	DCF089TX-18HVVV	6	886.3	230.5	836.8	254.5	782.8	281.9	724.4	312.5
		7	911.7	232.3	860.9	256.3	805.3	283.7	745.3	314.4
		8	937.4	234.1	885.2	258.2	828.2	285.6	766.5	316.3
		10	989.5	237.9	934.7	262.1	874.7	289.6	809.9	320.3
		12	1042.7	242.0	985.1	266.2	922.2	293.8	854.3	324.6
		14	1096.6	246.3	1036.5	270.6	970.8	298.2	899.9	329.0
66	DCF092TX-18HVVW	6	915.1	243.2	863.7	268.5	807.6	297.3	747.1	329.5
		7	940.9	245.1	888.1	270.5	830.4	299.3	768.2	331.5
		8	966.9	247.1	912.7	272.5	853.6	301.4	789.7	333.6
		10	1019.8	251.2	962.8	276.7	900.7	305.7	833.6	338.0
		12	1073.5	255.5	1013.9	281.2	948.8	310.3	878.5	342.7
		14	1128.0	260.1	1065.8	285.9	997.8	315.1	924.6	347.6
67	DCF094TX-18HVWW	6	943.8	255.8	890.5	282.5	832.4	312.7	769.7	346.4
		7	970.0	257.9	915.3	284.7	855.6	314.9	791.2	348.7
		8	996.4	260.0	940.3	286.9	879.0	317.2	812.9	351.0
		10	1050.0	264.5	991.0	291.4	926.6	321.9	857.3	355.8
		12	1104.3	269.1	1042.7	296.2	975.3	326.8	902.8	360.8
		14	1159.3	274.0	1095.1	301.2	1024.9	331.9	949.3	366.1
68	DCF096TX-18HWWW	6	964.9	267.9	910.3	295.9	850.8	327.5	786.6	362.8
		7	990.9	270.2	935.3	298.2	874.1	329.9	808.2	365.2
		8	1018.1	272.4	960.6	300.5	897.8	332.3	830.1	367.7
		10	1072.2	277.0	1011.8	305.4	945.9	337.3	874.9	372.8
		12	1127.0	281.9	1063.9	310.4	994.9	342.5	920.7	378.2
		14	1182.4	287.1	1116.7	315.7	1044.9	348.0	967.5	383.8
69	DCF049DX-11DXY0	6	489.5	125.2	462.7	137.7	433.6	152.0	402.3	168.1
		7	503.7	126.1	476.1	138.6	446.2	152.9	414.1	169.1
		8	518.1	127.0	489.8	139.6	459.1	153.9	426.0	170.1
		10	547.5	128.9	517.6	141.5	485.3	155.9	450.5	172.1
		12	577.5	130.9	546.2	143.6	512.2	158.0	475.6	174.3
		14	608.0	133.1	575.3	145.8	539.7	160.3	501.5	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
70	DCF051DX-11DPY0	6	507.6	129.0	479.5	141.9	449.1	156.7	416.5	173.2
		7	522.2	129.9	493.4	142.9	462.1	157.7	428.5	174.2
		8	537.0	130.9	507.4	143.9	475.2	158.7	440.7	175.2
		10	567.2	133.0	535.9	146.0	502.1	160.8	464.7	177.5
		12	598.0	135.2	565.2	148.2	529.6	163.0	491.5	179.6
		14	629.4	137.5	595.0	150.6	557.8	165.4	517.8	182.0
71	DCF053DX-12DPV0	6	529.9	131.7	500.8	145.2	469.2	160.5	435.2	177.8
		7	545.3	132.7	515.4	146.1	483.0	161.5	447.9	178.8
		8	560.9	133.7	530.2	147.1	496.9	162.5	460.9	179.8
		10	592.6	135.7	560.4	149.2	525.3	164.6	486.4	182.1
		12	625.0	137.9	591.3	151.4	554.4	166.8	514.7	184.1
		14	658.1	140.2	622.7	153.7	584.2	169.1	542.6	186.5
72	DCF055DX-12DYY0	6	547.0	142.9	517.3	157.3	485.2	173.6	450.6	191.8
		7	562.7	144.0	532.3	158.4	499.2	174.7	463.6	192.9
		8	578.7	145.0	547.4	159.5	513.4	175.8	476.8	194.0
		10	611.3	147.3	578.3	161.8	542.5	178.1	503.9	196.3
		12	644.6	149.6	609.9	164.1	572.3	180.5	531.8	198.8
		14	678.5	152.1	642.2	166.6	602.8	183.1	560.4	201.4
73	DCF057DX-13DYV0	6	568.8	145.7	538.3	160.6	505.0	177.5	469.0	196.4
		7	585.4	146.7	554.0	161.6	519.7	178.5	482.7	197.5
		8	602.2	147.8	569.9	162.7	534.7	179.6	496.7	198.6
		10	636.4	150.0	602.4	164.9	565.3	181.9	525.3	200.9
		12	671.3	152.3	635.6	167.2	596.7	184.3	554.7	203.3
		14	706.8	154.8	669.6	169.7	628.8	186.8	584.8	205.9
74	DCF060DX-14DVV0	6	590.7	148.5	559.2	163.8	524.7	181.3	487.4	201.1
		7	608.1	149.5	575.7	164.8	540.3	182.4	501.8	202.2
		8	625.7	150.5	592.4	165.8	556.0	183.4	516.5	203.2
		10	661.4	152.7	626.5	168.0	588.2	185.6	546.6	205.5
		12	697.9	155.0	661.4	170.4	621.2	188.0	577.5	207.8
		14	735.1	157.5	696.9	172.8	654.9	190.5	609.2	210.4
75	DCF064DX-14FVW0	6	637.9	161.2	602.7	177.7	564.4	196.6	523.1	217.8
		7	656.4	162.4	620.2	178.9	580.8	197.8	538.3	219.0
		8	675.0	163.7	637.9	180.2	597.4	199.1	553.8	220.3
		10	713.0	166.2	673.9	182.8	631.3	201.7	585.4	223.0
		12	751.8	169.0	710.8	185.5	666.0	204.5	617.8	225.8
		14	791.3	171.8	748.4	188.4	701.5	207.4	651.1	228.7
76	DCF068DX-14FWW0	6	669.4	173.1	632.1	190.9	591.7	211.0	548.1	233.7
		7	688.4	174.4	650.1	192.2	608.5	212.4	563.7	235.1
		8	707.6	175.8	668.3	193.6	625.5	213.8	579.6	236.5
		10	746.6	178.6	705.2	196.5	660.3	216.8	611.9	239.5
		12	786.3	181.6	742.9	199.5	695.8	219.9	645.1	242.7
		14	826.7	184.8	781.4	202.7	732.0	223.1	679.0	246.0

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

DCF Performance Data EC Fans

			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	DCF073TX-16GPPY	6	723.9	185.3	684.4	204.1	641.5	225.4	595.2	249.4
		7	744.7	186.7	704.1	205.5	660.0	226.9	612.4	250.8
		8	765.8	188.0	724.1	206.9	678.7	228.3	629.9	252.3
		10	808.7	191.0	764.8	209.8	717.0	231.3	665.6	255.3
		12	852.4	194.0	806.4	212.9	756.2	234.4	702.2	258.5
		14	897.0	197.2	848.8	216.2	796.3	237.8	739.9	261.9
78	DCF078TX-17GPYY	6	779.9	200.3	737.1	220.5	690.7	243.4	640.8	268.9
		7	802.4	201.8	758.4	222.0	710.6	244.9	659.3	270.5
		8	825.2	203.4	780.0	223.6	730.9	246.5	678.1	272.1
		10	871.5	206.5	823.9	226.8	772.2	249.8	716.6	275.4
		12	918.9	209.9	868.9	230.2	814.5	253.2	756.2	278.9
		14	967.2	213.4	914.8	233.8	857.9	256.8	796.8	282.6
79	DCF082TX-18GYYY	6	824.3	214.6	779.6	236.2	730.9	260.6	678.6	287.9
		7	848.0	216.2	802.0	237.8	752.0	262.3	698.2	289.5
		8	872.1	217.8	824.8	239.5	773.4	264.0	718.1	291.2
		10	921.0	221.2	871.2	242.9	817.0	267.4	758.8	294.8
		12	970.9	224.7	918.7	246.5	861.8	271.1	800.7	298.5
		14	1021.8	228.4	967.1	250.3	907.6	274.9	843.6	302.3
80	DCF085TX-19HYYV	6	844.8	217.3	800.4	239.4	751.7	264.6	698.8	292.7
		7	868.9	218.8	823.4	241.0	773.3	266.2	719.0	294.3
		8	893.3	220.4	846.6	242.6	795.2	267.8	739.5	296.0
		10	942.9	223.6	893.9	245.9	839.9	271.2	781.4	299.4
		12	993.3	227.1	942.1	249.4	885.7	274.8	824.4	303.1
		14	1044.3	230.6	991.1	253.1	932.3	278.5	868.5	306.9
81	DCF088TX-20HYVV	6	866.2	220.0	821.0	242.6	771.2	268.4	717.0	297.4
		7	891.0	221.5	844.6	244.2	793.5	270.0	737.9	299.0
		8	916.1	223.1	868.6	245.7	816.2	271.6	759.1	300.6
		10	967.1	226.3	917.3	249.0	862.3	274.9	802.4	304.0
		12	1018.8	229.7	967.0	252.5	909.6	278.4	846.9	307.6
		14	1071.2	233.2	1017.4	256.1	957.7	282.1	892.5	311.3
82	DCF092TX-21HVVV	6	905.8	223.8	857.5	246.8	804.6	273.1	747.2	302.9
		7	932.1	225.3	882.6	248.4	828.3	274.7	769.2	304.5
		8	958.8	226.9	908.0	250.0	852.2	276.4	791.7	306.1
		10	1013.1	230.3	959.8	253.3	901.2	279.8	837.4	309.6
		12	1068.5	233.9	1012.7	256.9	951.3	283.4	884.5	313.2
		14	1124.8	237.7	1066.6	260.8	1002.4	287.2	932.8	317.1
83	DCF095TX-21HVVW	6	936.0	235.6	886.0	259.8	831.1	287.5	771.6	318.7
		7	962.9	237.2	911.5	261.5	855.2	289.3	794.0	320.5
		8	990.0	239.0	937.4	263.3	879.5	291.0	816.8	322.3
		10	1045.1	242.6	989.9	266.9	929.2	294.7	863.2	326.1
		12	1101.1	246.4	1043.5	270.8	979.9	298.7	910.9	330.0
		14	1158.0	250.4	1098.0	274.9	1031.7	302.8	959.8	334.2

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
84	DCF097TX-21HVWW	6	966.3	247.4	914.5	272.8	857.7	301.9	796.1	334.5
		7	993.6	249.1	940.4	274.7	882.1	303.8	818.8	336.5
		8	1021.1	251.0	966.7	276.6	906.8	305.7	841.9	338.5
		10	1077.0	254.8	1020.0	280.5	957.2	309.7	889.0	342.6
		12	1133.8	258.9	1074.2	284.6	1008.6	314.0	937.4	346.9
		14	1191.2	263.1	1129.4	289.0	1061.1	318.4	986.9	351.4
85	DCF099TX-21HWWW	6	988.5	258.6	935.4	285.3	877.3	315.7	814.3	349.8
		7	1016.1	260.5	961.7	287.3	902.0	317.7	835.9	352.2
		8	1044.0	262.4	988.3	289.3	927.0	319.8	860.6	354.0
		10	1100.6	266.5	1042.2	293.5	977.9	324.1	908.2	358.4
		12	1157.9	270.8	1097.0	297.8	1029.9	328.6	957.0	363.0
		14	1215.8	275.2	1152.6	302.4	1082.8	333.3	1006.9	367.9
86	DCF050DX-13DXY0	6	499.3	122.1	473.5	134.2	444.9	148.0	414.1	163.6
		7	514.2	122.9	487.5	135.0	458.1	148.8	426.4	164.4
		8	529.2	123.7	501.8	135.8	471.6	149.6	439.0	165.3
		10	560.0	125.4	530.9	137.5	499.1	151.3	464.8	167.0
		12	591.2	127.2	560.7	139.3	527.3	153.2	491.3	168.9
		14	623.1	129.1	591.2	141.2	556.3	155.1	518.6	170.8
87	DCF053DX-13DPY0	6	518.8	125.6	491.3	138.1	461.4	152.3	429.2	168.3
		7	534.0	126.5	505.7	138.9	475.0	153.1	441.9	169.1
		8	549.4	127.4	520.4	139.8	488.8	154.0	454.8	170.0
		10	580.8	129.2	550.3	141.6	517.1	155.8	481.2	171.9
		12	613.0	131.1	580.9	143.5	546.1	157.8	508.4	173.8
		14	645.8	133.2	612.3	145.6	575.8	159.8	536.4	175.9
88	DCF055DX-14DPV0	6	540.1	128.8	511.8	141.7	480.7	156.5	447.1	173.4
		7	556.2	129.6	526.9	142.5	495.0	157.4	460.5	174.2
		8	572.3	130.5	542.3	143.4	509.6	158.2	474.1	175.1
		10	605.2	132.3	573.7	145.2	539.3	160.0	501.9	176.9
		12	638.9	134.3	605.9	147.1	569.7	162.0	530.6	178.8
		14	673.2	136.4	638.8	149.2	600.9	164.0	560.0	180.8
89	DCF057DX-14DYY0	6	557.8	139.4	528.8	153.3	497.2	169.1	463.1	186.8
		7	574.1	140.4	544.4	154.2	511.9	170.0	476.8	187.7
		8	590.7	141.3	560.1	155.2	526.8	171.0	490.7	188.7
		10	624.5	143.3	592.3	157.2	557.2	173.0	519.2	190.7
		12	659.1	145.3	625.3	159.2	588.4	175.1	548.5	192.8
		14	694.4	147.5	659.0	161.5	620.4	177.3	578.6	195.1
90	DCF059DX-15DYV0	6	578.7	142.5	548.9	156.9	516.2	173.3	480.7	191.8
		7	595.9	143.5	565.2	157.8	531.5	174.3	495.0	192.8
		8	613.3	144.4	581.7	158.8	547.1	175.2	509.6	193.7
		10	648.6	146.4	615.4	160.7	579.0	177.2	539.5	195.7
		12	684.7	148.5	649.9	162.8	611.7	179.3	570.3	197.8
		14	721.5	150.7	685.2	165.0	645.2	181.5	601.9	200.0

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

DCF Performance Data EC Fans

			Ambient (°C)							
			25°C		30°C		35°C		40°C	
	Model	Supply Temp °C	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW	Output kW	Input kW
91	DCF061DX-16DVV0	6	599.6	145.6	569.1	160.5	535.1	177.6	498.3	196.9
		7	617.7	146.6	586.1	161.4	551.2	178.5	513.3	197.8
		8	635.9	147.6	603.3	162.4	567.5	179.4	528.6	198.7
		10	672.7	149.5	638.5	164.3	600.9	181.4	559.9	200.7
		12	710.2	151.6	674.5	166.4	635.1	183.4	592.1	202.8
		14	748.5	153.9	711.3	168.6	670.1	185.6	625.1	205.0
92	DCF066DX-16FVW0	6	649.2	157.8	614.6	173.7	576.8	192.0	535.7	212.7
		7	668.2	158.9	632.7	174.8	593.9	193.1	552.0	213.7
		8	687.5	160.0	651.0	175.9	611.2	194.2	568.1	214.9
		10	726.7	162.3	688.4	178.2	646.5	196.5	601.1	217.2
		12	766.8	164.7	726.7	180.6	682.7	198.9	635.1	219.7
		14	807.7	167.4	765.7	183.3	719.7	201.6	670.0	222.3
93	DCF069DX-16FWW0	6	681.9	169.0	645.3	186.1	605.5	205.7	561.8	227.8
		7	701.5	170.2	664.0	187.3	623.0	206.9	578.9	229.0
		8	721.3	171.4	682.8	188.5	640.8	208.1	595.4	230.2
		10	761.7	174.0	721.3	191.1	677.1	210.7	629.3	232.9
		12	802.9	176.7	760.5	193.8	714.2	213.5	664.1	235.6
		14	844.8	179.5	800.5	196.7	752.1	216.3	699.8	238.5
94	DCF074TX-19GPPY	6	739.8	180.5	701.1	198.5	659.0	219.1	613.5	242.3
		7	761.4	181.7	721.7	199.7	678.4	220.3	631.6	243.5
		8	783.3	182.9	742.6	200.9	698.1	221.5	650.0	244.8
		10	827.9	185.5	785.1	203.4	738.4	224.1	687.7	247.3
		12	873.6	188.1	828.7	206.1	779.6	226.8	726.5	250.1
		14	920.1	191.0	873.2	209.0	821.9	229.6	766.4	252.9
95	DCF079TX-20GPYY	6	796.5	195.3	754.6	214.7	708.9	236.8	659.7	261.6
		7	819.8	196.6	776.8	216.0	729.8	238.1	679.2	262.9
		8	843.5	197.9	799.3	217.3	751.1	239.4	699.1	264.3
		10	891.7	200.7	845.2	220.1	794.4	242.2	739.7	267.1
		12	941.1	203.7	892.3	223.1	839.0	245.2	781.5	270.1
		14	991.5	206.8	940.4	226.2	884.6	248.4	824.4	273.3
96	DCF084TX-21GYYY	6	840.8	209.4	797.0	230.2	749.2	253.8	697.6	280.3
		7	865.3	210.8	820.3	231.6	771.2	255.2	718.2	281.8
		8	890.3	212.2	844.1	233.0	793.6	256.7	739.1	283.2
		10	941.0	215.1	892.4	236.0	839.3	259.7	781.9	286.3
		12	992.9	218.2	942.0	239.1	886.2	262.9	826.0	289.5
		14	1045.9	221.5	992.6	242.4	934.3	266.2	871.2	292.8
97	DCF087TX-22HYYV	6	859.6	212.3	816.5	233.8	768.8	258.1	716.7	285.5
		7	884.6	213.7	840.3	235.1	791.3	259.5	737.8	286.9
		8	909.9	215.1	864.4	236.5	814.1	260.9	759.2	288.4
		10	961.0	218.0	913.4	239.4	860.6	263.9	803.1	291.3
		12	1013.1	221.0	963.4	242.5	908.3	267.0	848.1	294.5
		14	1065.8	224.2	1014.3	245.7	957.0	270.2	894.3	297.8

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

DCF Mechanical Data

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

DCF Mechanical Data - Regular Quiet

			DCF046DR-07DXY0	DCF048DR-07DPY0	DCF051DR-08DPV0	DCF053DR-08DYY0	DCF049DR-09DXY0	DCF051DR-09DPY0	DCF053DR-10DPV0	DCF055DR-09DYV0
Number of Refrigeration Circuits			2	2	2	2	2	2	2	2
Cooling Duty - EC Fans		kW	470.1	485.5	512.5	530.7	490.5	509.2	530.9	557.3
Nominal Input - Mechanical		kW	170.0	175.4	178.9	192.3	163.0	168.2	171.6	195.8
EER	(2)		2.77	2.77	2.86	2.76	3.01	3.03	3.09	2.85
ESEER			4.18	4.03	4.08	4.13	4.39	4.30	4.34	4.17
Nominal Output - Free Cooling		kW	326.63	328.77	369.75	372.36	401.11	404.82	442.62	413.06
Ambient temperature for 100% Free Cooling	(5)	°C	-2.30	-2.80	-1.70	-2.10	0.30	-0.10	0.60	-1.20
Capacity Steps		%	15-35-50-70-85-100	25-45-65-85-100	25-45-65-80-100	20-35-55-70-85-100	15-35-50-70-80-100	25-45-65-85-100	25-40-65-80-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.16	0.24	0.23	0.18	0.16	0.24	0.23	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 4846	2682 x 2200 x 4846	2682 x 2200 x 4846	2682 x 2200 x 4846	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978
Mass										
Machine	(3)	kg	4750	4635	4760	4890	5435	5320	5445	5450
Operating		kg	5360	5240	5390	5520	6185	6065	6220	6195
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	219.0	214.0	214.0	214.0	219.0	214.0	214.0	214.0
Maximum Waterflow		l/s	35.1	35.1	35.1	46.7	35.1	35.1	35.1	46.7
Minimum Waterflow		l/s	8.0	13.4	13.4	10.7	8.0	13.4	13.4	10.7
Condenser										
Face Area (Total)		m²	16.6	16.6	19.0	19.0	21.4	21.4	23.8	21.4
Nominal Airflow		m³/s	41.1	41.1	47.0	47.0	52.9	52.9	58.8	52.9
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			7	7	8	8	9	9	10	9
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Trio + Trio	Tandem + Trio	Tandem + Trio	Trio + Trio	Trio + Trio	Tandem + Trio	Tandem + Trio	Trio + Trio
Quantity of Compressors			6	5	5	6	6	5	5	6
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	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 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
Refrigeration										
Charge (Total)		kg	24 + 30	24 + 31	24 + 34	28 + 31	27 + 32	28 + 33	28 + 37	28 + 34
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCF055DR-10DYY0	DCF058DR-10DVV0	DCF062DR-10FVW0	DCF065DR-10FWW0	DCF069TR-10GPPY	DCF051DR-11DXY0	DCF053DR-11DPY0	DCF055DR-12DPV0
Number of Refrigeration Circuits			2	2	2	2	3	2	2	2
Cooling Duty - EC Fans		kW	550.8	583.8	626.2	654.8	691.1	498.9	517.6	539.4
Nominal Input - Mechanical		kW	185.5	199.4	215.7	231.0	253.2	156.8	161.6	165.6
EER	(2)		2.97	2.93	2.90	2.84	2.73	3.18	3.20	3.26
ESEER			4.30	4.28	4.32	4.23	3.99	4.56	4.48	4.51
Nominal Output - Free Cooling		kW	446.86	453.11	460.04	464.24	469.32	463.68	469.55	504.22
Ambient temperature for 100% Free Cooling	(5)	°C	0.20	-0.50	-1.40	-2.00	-2.70	2.00	1.70	2.10
Capacity Steps		%	20-35-50-70-85-100	20-35-50-70-85-100	15-35-50-70-85-100	20-35-55-70-85-100	15-35-45-60-75-90-100	15-35-50-70-80-100	25-45-65-85-100	25-40-65-80-100
Minimum Turndown Ratio			0.18	0.18	0.17	0.18	0.17	0.15	0.24	0.23
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Mass										
Machine	(3)	kg	5580	5610	5770	5825	6135	6080	5965	6095
Operating		kg	6350	6385	6535	6590	7085	6925	6805	6955
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	214.0	214.0	207.9	207.9	379.0	219.0	214.0	214.0
Maximum Waterflow		l/s	46.7	46.7	41.9	41.9	46.1	35.1	35.1	35.1
Minimum Waterflow		l/s	10.7	10.7	16.0	16.0	17.7	8.0	13.4	13.4
Condenser										
Face Area (Total)		m²	23.8	23.8	23.8	23.8	23.8	26.1	26.1	28.5
Nominal Airflow		m³/s	58.8	58.8	58.8	58.8	58.8	64.7	64.7	70.5
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			10	10	10	10	10	11	11	12
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Tandem + Trio	Trio + Trio	Tandem + Trio	Tandem + Trio
Quantity of Compressors			6	6	6	6	7	6	5	5
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	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	2 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	32 + 33	33 + 34	35 + 36	35 + 36	23 + 24 + 30	31 + 35	31 + 36	31 + 40
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCF057DR-12DYY0	DCF058DR-11DYV0	DCF060DR-12DVV0	DCF065DR-12FVW0	DCF068DR-12FWW0	DCF074TR-11GPYY	DCF079TR-12GYYY	DCF059DR-13DYV0
Number of Refrigeration Circuits			2	2	2	2	2	3	3	2
Cooling Duty - EC Fans		kW	558.5	572.3	593.7	642.4	675.9	749.8	799.2	580.0
Nominal Input - Mechanical		kW	178.8	188.9	192.3	208.9	224.4	271.4	288.7	182.8
EER	(2)		3.12	3.03	3.09	3.08	3.01	2.76	2.77	3.17
ESEER			4.44	4.34	4.43	4.47	4.38	4.07	4.13	4.47
Nominal Output - Free Cooling		kW	510.37	484.17	520.51	532.31	539.18	514.81	558.99	544.77
Ambient temperature for 100% Free Cooling	(5)	°C	1.80	0.80	1.30	0.50	-0.10	-2.50	-2.20	2.20
Capacity Steps		%	20-35-50-70-85-100	15-35-50-70-85-100	20-35-50-70-85-100	15-35-50-70-85-100	20-35-50-70-85-100	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			0.18	0.17	0.18	0.17	0.18	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 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 8242
Mass										
Machine	(3)	kg	6250	6120	6255	6415	6575	6920	7180	6765
Operating		kg	7115	6965	7120	7275	7545	8040	8325	7735
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	214.0	214.0	214.0	207.9	207.9	368.0	368.0	214.0
Maximum Waterflow		l/s	46.7	46.7	46.7	41.9	41.9	46.1	46.1	46.7
Minimum Waterflow		l/s	10.7	10.7	10.7	16.0	16.0	17.7	17.7	10.7
Condenser										
Face Area (Total)		m²	28.5	26.1	28.5	28.5	28.5	26.1	28.5	30.9
Nominal Airflow		m³/s	70.5	64.7	70.5	70.5	70.5	64.7	70.5	76.4
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			12	11	12	12	12	11	12	13
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6	6	6	8	9	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	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	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	35 + 36	32 + 37	36 + 37	38 + 39	38 + 39	24 + 30 + 31	28 + 30 + 31	35 + 39
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN150	DN150	DN150	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCF062DR-14DVV0	DCF066DR-14FVW0	DCF070DR-14FWW0	DCF073TR-13GPPY	DCF078TR-14GPYY	DCF082TR-13HYYV	DCF085TR-14HYVV	DCF075TR-16GPPY
Number of Refrigeration Circuits			2	2	2	3	3	3	3	3
Cooling Duty - EC Fans		kW	601.5	650.7	684.2	725.6	783.3	826.1	852.2	738.3
Nominal Input - Mechanical		kW	186.8	202.6	217.4	242.3	260.9	292.3	295.8	232.5
EER	(2)		3.22	3.21	3.15	2.99	3.00	2.83	2.88	3.17
ESEER			4.54	4.59	4.50	4.26	4.30	4.16	4.20	4.45
Nominal Output - Free Cooling		kW	578.50	595.15	604.95	582.82	628.05	599.85	640.22	678.50
Ambient temperature for 100% Free Cooling	(5)	°C	2.50	1.80	1.40	0.00	0.00	-1.60	-1.00	1.90
Capacity Steps		%	15-35-50-70-85-100	15-35-50-70-85-100	20-35-50-70-85-100	15-30-45-60-75-90-100	15-30-40-55-65-80-90-100	10-25-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100	15-30-45-60-75-90-100
Minimum Turndown Ratio			0.17	0.17	0.18	0.16	0.15	0.12	0.11	0.16
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 9374
Mass										
Machine	(3)	kg	6900	7060	7240	7425	7715	7820	7950	8135
Operating		kg	7895	8045	8360	8705	9010	9225	9380	9595
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	214.0	207.9	207.9	379.0	368.0	511.0	511.0	379.0
Maximum Waterflow		l/s	46.7	41.9	41.9	46.1	46.1	63.4	63.4	46.1
Minimum Waterflow		l/s	10.7	16.0	16.0	17.7	17.7	24.0	24.0	17.7
Condenser										
Face Area (Total)		m^2	33.3	33.3	33.3	30.9	33.3	30.9	33.3	38.0
Nominal Airflow		m^3/s	82.3	82.3	82.3	76.4	82.3	76.4	82.3	94.0
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			14	14	14	13	14	13	14	16
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Tandem + Trio	Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Tandem + Trio
Quantity of Compressors			6	6	6	7	8	9	9	7
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 + 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	3 x 5.3 + 3 x 5.3 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	40 + 39	42 + 41	42 + 46	26 + 29 + 33	27 + 34 + 34	31 + 33 + 37	31 + 37 + 37	30 + 33 + 35
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN150	DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCF082TR-15GYYY	DCF085TR-16HYYV	DCF090TR-15HVVV	DCF092TR-15HVVW	DCF094TR-15HVWW	DCF096TR-15HWWW	DCF080TR-17GPYY	DCF085TR-18GYYY
Number of Refrigeration Circuits			3	3	3	3	3	3	3	3
Cooling Duty - EC Fans		kW	829.8	850.8	894.4	922.0	949.6	970.1	795.6	841.5
Nominal Input - Mechanical		kW	278.5	281.8	300.4	315.6	330.8	345.4	250.9	268.5
EER	(2)		2.98	3.02	2.98	2.92	2.87	2.81	3.17	3.13
ESEER			4.31	4.33	4.34	4.31	4.27	4.17	4.47	4.45
Nominal Output - Free Cooling		kW	671.03	708.47	682.88	687.37	691.61	694.62	724.37	766.71
Ambient temperature for 100% Free Cooling	(5)	°C	0.10	0.50	-0.80	-1.10	-1.50	-1.80	1.80	1.80
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	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	15-30-40-55-65-80-90-100	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.12	0.11	0.12	0.11	0.11	0.12	0.15	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 10506	2682 x 2200 x 10506
Mass										
Machine	(3)	kg	8300	8520	8430	8510	8565	8620	8800	9060
Operating		kg	9720	10090	9960	10050	10105	10155	10360	10645
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	368.0	511.0	496.0	496.0	496.0	496.0	368.0	368.0
Maximum Waterflow		l/s	46.1	63.4	63.4	63.4	63.4	83.7	46.1	46.1
Minimum Waterflow		l/s	17.7	24.0	24.0	24.0	24.0	32.1	17.7	17.7
Condenser										
Face Area (Total)		m²	35.6	38.0	35.6	35.6	35.6	35.6	40.4	42.8
Nominal Airflow		m³/s	88.2	94.0	88.2	88.2	88.2	88.2	99.9	105.8
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			15	16	15	15	15	15	17	18
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9	9	9	9	8	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	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	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	32 + 34 + 35	34 + 37 + 40	37 + 39 + 40	37 + 39 + 40	37 + 39 + 40	37 + 39 + 40	31 + 37 + 38	35 + 37 + 38
Connections										
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCF088TR-17HYVV	DCF093TR-18HVVV	DCF095TR-18HVVW	DCF098TR-18HVWW	DCF100TR-18HWWW	DCF088TR-19HYYV	DCF090TR-20HYVV	DCF095TR-21HVVV
Number of Refrigeration Circuits			3	3	3	3	3	3	3	3
Cooling Duty - EC Fans		kW	871.8	910.5	942.7	974.8	999.1	862.9	883.5	922.4
Nominal Input - Mechanical		kW	285.2	289.9	305.2	320.6	335.3	272.6	276.4	281.5
EER	(2)		3.06	3.14	3.09	3.04	2.98	3.17	3.20	3.28
ESEER			4.36	4.49	4.46	4.41	4.32	4.46	4.49	4.61
Nominal Output - Free Cooling		kW	745.23	785.94	793.74	800.89	805.89	801.27	835.08	875.00
Ambient temperature for 100% Free Cooling	(5)	°C	0.90	1.10	0.70	0.30	0.10	2.00	2.30	2.30
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	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	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	0.11	0.12	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	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 11638	2682 x 2200 x 11638	2682 x 2200 x 12770
Mass										
Machine	(3)	kg	9035	9230	9285	9340	9395	9580	9735	10250
Operating		kg	10735	10940	10995	11050	11105	11420	11605	12220
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	511.0	496.0	496.0	496.0	496.0	511.0	511.0	496.0
Maximum Waterflow		l/s	63.4	63.4	63.4	63.4	83.7	63.4	63.4	63.4
Minimum Waterflow		l/s	24.0	24.0	24.0	24.0	32.1	24.0	24.0	24.0
Condenser										
Face Area (Total)		m²	40.4	42.8	42.8	42.8	42.8	45.1	47.5	49.9
Nominal Airflow		m³/s	99.9	105.8	105.8	105.8	105.8	111.7	117.6	123.4
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			17	18	18	18	18	19	20	21
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9	9	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	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	35 + 40 + 41	40 + 42 + 43	40 + 42 + 43	40 + 42 + 43	40 + 42 + 43	38 + 39 + 45	38 + 43 + 45	45 + 44 + 48
Connections										
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet, Extra Quiet

			DCF098TR-21HVVW	DCF101TR-21HVWW	DCF103TR-21HWWW	DCF047DX-09DXY0	DCF049DX-09DPY0	DCF051DX-10DPV0	DCF053DX-10DYY0	DCF049DX-11DXY0
Number of Refrigeration Circuits			3	3	3	2	2	2	2	2
Cooling Duty - EC Fans		kW	954.6	986.8	1010.9	465.3	480.4	505.4	521.9	485.3
Nominal Input - Mechanical		kW	296.1	310.8	324.8	163.5	169.0	171.9	186.2	155.9
EER	(2)		3.22	3.18	3.11	2.85	2.84	2.94	2.80	3.11
ESEER			4.58	4.53	4.44	4.42	4.25	4.29	4.32	4.57
Nominal Output - Free Cooling		kW	885.90	896.02	903.10	319.54	321.34	353.51	355.66	376.40
Ambient temperature for 100% Free Cooling	(5)	°C	2.00	1.70	1.50	-2.50	-3.00	-2.20	-2.70	-0.50
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	15-35-50-70-85-100	25-45-65-85-100	25-45-65-85-100	20-35-55-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.11	0.11	0.12	0.16	0.25	0.24	0.19	0.16
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 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 7110
Mass										
Machine	(3)	kg	10305	10360	10415	5595	5475	5605	5735	6240
Operating		kg	12275	12330	12385	6345	6225	6375	6510	7085
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	496.0	496.0	496.0	219.0	214.0	214.0	214.0	219.0
Maximum Waterflow		l/s	63.4	63.4	83.7	35.1	35.1	35.1	46.7	35.1
Minimum Waterflow		l/s	24.0	24.0	32.1	8.0	13.4	13.4	10.7	8.0
Condenser										
Face Area (Total)		m²	49.9	49.9	49.9	21.4	21.4	23.8	23.8	26.1
Nominal Airflow		m³/s	123.4	123.4	123.4	36.0	36.0	40.0	40.0	44.0
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			21	21	21	9	9	10	10	11
Maximum Speed		rpm	1050	1050	1050	750	750	750	750	750
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio	Tandem + Trio	Tandem + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			9	9	9	6	5	5	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	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	2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48	27 + 32	28 + 33	28 + 37	32 + 33	31 + 35
Connections										
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN125	DN125	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCF051DX-11DPY0	DCF053DX-12DPV0	DCF055DX-11DYV0	DCF055DX-12DYY0	DCF058DX-12DVV0	DCF062DX-12FVW0	DCF065DX-12FWW0	DCF050DX-13DXY0
Number of Refrigeration Circuits			2	2	2	2	2	2	2	2
Cooling Duty - EC Fans		kW	502.1	525.3	546.5	542.5	571.2	611.0	637.8	499.1
Nominal Input - Mechanical		kW	160.8	164.6	189.1	178.1	192.0	209.4	225.6	151.3
EER	(2)		3.12	3.19	2.89	3.05	2.97	2.92	2.83	3.30
ESEER			4.47	4.50	4.36	4.45	4.45	4.49	4.40	4.68
Nominal Output - Free Cooling		kW	379.90	409.71	387.52	413.38	418.76	424.83	428.15	425.08
Ambient temperature for 100% Free Cooling	(5)	°C	-0.90	-0.40	-2.00	-0.80	-1.40	-2.30	-2.90	0.90
Capacity Steps		%	25-45-65-85-100	25-45-65-85-100	20-35-55-70-85-100	20-35-55-70-85-100	20-35-55-70-85-100	20-35-55-70-85-100	20-35-55-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.24	0.23	0.18	0.18	0.18	0.18	0.19	0.16
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 8242
Mass										
Machine	(3)	kg	6125	6250	6255	6380	6415	6575	6630	6885
Operating		kg	6960	7115	7095	7245	7280	7430	7485	7855
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	214.0	214.0	214.0	214.0	214.0	207.9	207.9	219.0
Maximum Waterflow		l/s	35.1	35.1	46.7	46.7	46.7	41.9	41.9	35.1
Minimum Waterflow		l/s	13.4	13.4	10.7	10.7	10.7	16.0	16.0	8.0
Condenser										
Face Area (Total)		m²	26.1	28.5	26.1	28.5	28.5	28.5	28.5	30.9
Nominal Airflow		m³/s	44.0	48.0	44.0	48.0	48.0	48.0	48.0	52.0
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			11	12	11	12	12	12	12	13
Maximum Speed		rpm	750	750	750	750	750	750	750	750
Compressor			Tandem + Trio	Tandem + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			5	5	6	6	6	6	6	6
Oil Charge Volume (Total)		l	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	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	31 + 36	31 + 40	32 + 37	35 + 36	36 + 37	38 + 39	38 + 39	34 + 38
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCF053DX-13DPY0	DCF055DX-14DPV0	DCF057DX-13DYV0	DCF057DX-14DYY0	DCF060DX-14DVV0	DCF064DX-14FVW0	DCF068DX-14FWW0	DCF069TX-13GPPY
Number of Refrigeration Circuits			2	2	2	2	2	2	2	3
Cooling Duty - EC Fans		kW	517.1	539.3	565.3	557.2	588.2	631.3	660.3	685.6
Nominal Input - Mechanical		kW	155.8	160.0	181.9	173.0	185.6	201.7	216.8	243.4
EER	(2)		3.32	3.37	3.11	3.22	3.17	3.13	3.05	2.82
ESEER			4.62	4.65	4.49	4.56	4.55	4.60	4.52	4.22
Nominal Output - Free Cooling		kW	430.52	458.34	443.00	463.73	472.13	481.95	487.48	463.21
Ambient temperature for 100% Free Cooling	(5)	°C	0.50	0.80	-0.40	0.50	0.00	-0.80	-1.30	-2.80
Capacity Steps		%	25-45-65-85-100	25-45-65-80-100	15-35-50-70-85-100	20-35-50-70-85-100	20-35-55-70-85-100	15-35-50-70-85-100	20-35-55-70-85-100	15-35-50-60-75-90-100
Minimum Turndown Ratio			0.24	0.23	0.17	0.18	0.18	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	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Mass										
Machine	(3)	kg	6770	6895	6925	7055	7060	7220	7395	7685
Operating		kg	7730	7885	7890	8045	8050	8205	8515	8965
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	214.0	214.0	214.0	214.0	214.0	207.9	207.9	379.0
Maximum Waterflow		l/s	35.1	35.1	46.7	46.7	46.7	41.9	41.9	46.1
Minimum Waterflow		l/s	13.4	13.4	10.7	10.7	10.7	16.0	16.0	17.7
Condenser										
Face Area (Total)		m²	30.9	33.3	30.9	33.3	33.3	33.3	33.3	30.9
Nominal Airflow		m³/s	52.0	56.0	52.0	56.0	56.0	56.0	56.0	52.0
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			13	14	13	14	14	14	14	13
Maximum Speed		rpm	750	750	750	750	750	750	750	750
Compressor			Tandem + Trio	Tandem + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Tandem + Trio
Quantity of Compressors			5	5	6	6	6	6	6	7
Oil Charge Volume (Total)		l	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	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 + 2 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	35 + 38	35 + 42	35 + 39	39 + 38	40 + 39	42 + 41	42 + 41	26 + 29 + 33
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCF075TX-14GPYY	DCF059DX-15DYV0	DCF061DX-16DVV0	DCF066DX-16FVW0	DCF069DX-16FWW0	DCF073TX-16GPPY	DCF079TX-15GYYY	DCF082TX-16HYYV
Number of Refrigeration Circuits			3	2	2	2	2	3	3	3
Cooling Duty - EC Fans		kW	740.2	579.0	600.9	646.5	677.1	717.0	785.8	810.9
Nominal Input - Mechanical		kW	261.9	177.2	181.4	196.5	210.7	231.3	279.5	282.6
EER	(2)		2.83	3.27	3.31	3.29	3.21	3.10	2.81	2.87
ESEER			4.30	4.58	4.64	4.69	4.61	4.44	4.33	4.35
Nominal Output - Free Cooling		kW	499.07	491.46	518.84	532.74	540.79	549.87	533.85	565.93
Ambient temperature for 100% Free Cooling	(5)	°C	-2.80	0.80	1.10	0.40	-0.10	-0.70	-2.70	-2.20
Capacity Steps		%	15-30-45-55-70-80-90-100	15-35-50-70-85-100	20-35-50-70-85-100	15-35-50-70-85-100	20-35-55-70-85-100	15-35-45-60-75-90-100	10-25-35-50-60-70-80-90-100	10-25-35-50-60-70-80-90-100
Minimum Turndown Ratio			0.16	0.17	0.18	0.17	0.18	0.17	0.12	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374
Mass										
Machine	(3)	kg	7975	7500	7630	7790	7960	8395	8560	8780
Operating		kg	9270	8610	8770	8925	9225	9855	9980	10350
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	368.0	214.0	214.0	207.9	207.9	379.0	368.0	511.0
Maximum Waterflow		l/s	46.1	46.7	46.7	41.9	41.9	46.1	46.1	63.4
Minimum Waterflow		l/s	17.7	10.7	10.7	16.0	16.0	17.7	17.7	24.0
Condenser										
Face Area (Total)		m²	33.3	35.6	38.0	38.0	38.0	38.0	35.6	38.0
Nominal Airflow		m³/s	56.0	60.0	64.0	64.0	64.0	64.0	60.0	64.0
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			14	15	16	16	16	16	15	16
Maximum Speed		rpm	750	750	750	750	750	750	750	750
Compressor			Tandem + Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Tandem + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			8	6	6	6	6	7	9	9
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 + 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	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	27 + 34 + 34	39 + 42	44 + 42	46 + 44	46 + 44	30 + 33 + 35	32 + 34 + 35	34 + 37 + 40
Connections										
Water Inlet / Outlet - Unit			DN150	DN125	DN125	DN125	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCF078TX-17GPYY	DCF082TX-18GYYY	DCF085TX-17HYVV	DCF089TX-18HVVV	DCF092TX-18HVVW	DCF094TX-18HVWW	DCF096TX-18HWWW	DCF074TX-19GPPY
Number of Refrigeration Circuits			3	3	3	3	3	3	3	3
Cooling Duty - EC Fans		kW	772.2	817.0	835.0	874.7	900.7	926.6	945.9	738.4
Nominal Input - Mechanical		kW	249.8	267.4	285.5	289.6	305.7	321.9	337.3	224.1
EER	(2)		3.09	3.06	2.92	3.02	2.95	2.88	2.80	3.30
ESEER			4.48	4.46	4.38	4.51	4.48	4.43	4.34	4.59
Nominal Output - Free Cooling		kW	586.36	620.74	597.45	631.10	635.04	638.59	640.97	624.04
Ambient temperature for 100% Free Cooling	(5)	°C	-0.80	-0.80	-1.80	-1.70	-2.10	-2.50	-2.80	0.80
Capacity Steps		%	15-30-40-55-65-80-90-100	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	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	15-35-45-60-75-90-100
Minimum Turndown Ratio			0.16	0.12	0.12	0.12	0.12	0.11	0.12	0.16
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 11638
Mass										
Machine	(3)	kg	9060	9320	9300	9465	9545	9600	9655	9445
Operating		kg	10620	10905	10995	11170	11255	11310	11365	11160
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	368.0	368.0	511.0	496.0	496.0	496.0	496.0	379.0
Maximum Waterflow		l/s	46.1	46.1	63.4	63.4	63.4	63.4	83.7	46.1
Minimum Waterflow		l/s	17.7	17.7	24.0	24.0	24.0	24.0	32.1	17.7
Condenser										
Face Area (Total)		m²	40.4	42.8	40.4	42.8	42.8	42.8	42.8	45.1
Nominal Airflow		m³/s	68.0	72.0	68.0	72.0	72.0	72.0	72.0	76.0
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			17	18	17	18	18	18	18	19
Maximum Speed		rpm	750	750	750	750	750	750	750	750
Compressor			Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Tandem + Trio
Quantity of Compressors			8	9	9	9	9	9	9	7
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 + 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 + 3 x 5.3	2 x 5.3 + 2 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	31 + 37 + 38	35 + 37 + 38	35 + 40 + 41	40 + 42 + 43	40 + 42 + 43	40 + 42 + 43	40 + 42 + 43	33 + 35 + 40
Connections										
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCF079TX-20GPYY	DCF085TX-19HYYV	DCF088TX-20HYVV	DCF084TX-21GYYY	DCF087TX-22HYYV	DCF092TX-21HVVV	DCF095TX-21HVVW	DCF097TX-21HVWW	DCF099TX-21HWWW
Number of Refrigeration Circuits			3	3	3	3	3	3	3	3	3
Cooling Duty - EC Fans		kW	794.4	839.9	862.3	839.3	860.6	901.2	929.2	957.2	977.9
Nominal Input - Mechanical		kW	242.2	271.2	274.9	259.7	263.9	279.8	294.7	309.7	324.1
EER	(2)		3.28	3.10	3.14	3.23	3.26	3.22	3.15	3.09	3.02
ESEER			4.61	4.47	4.50	4.56	4.57	4.62	4.59	4.54	4.45
Nominal Output - Free Cooling		kW	662.04	650.52	679.83	696.62	724.31	712.81	719.17	724.99	728.96
Ambient temperature for 100% Free Cooling	(5)	°C	0.60	-0.50	-0.30	0.50	0.70	-0.20	-0.60	-0.90	-1.10
Capacity Steps		%	15-30-40-55-65-80-90-100	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	10-25-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-50-60-70-80-90-100
Minimum Turndown Ratio			0.15	0.12	0.11	0.12	0.11	0.12	0.12	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 11638	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770
Mass											
Machine	(3)	kg	9730	9845	9970	10335	10575	10510	10565	10620	10675
Operating		kg	11460	11680	11835	12180	12580	12480	12535	12590	12645
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	368.0	511.0	511.0	368.0	511.0	496.0	496.0	496.0	496.0
Maximum Waterflow		l/s	46.1	63.4	63.4	46.1	63.4	63.4	63.4	63.4	83.7
Minimum Waterflow		l/s	17.7	24.0	24.0	17.7	24.0	24.0	24.0	24.0	32.1
Condenser											
Face Area (Total)		m²	47.5	45.1	47.5	49.9	52.3	49.9	49.9	49.9	49.9
Nominal Airflow		m³/s	80.0	76.0	80.0	83.9	87.9	83.9	83.9	83.9	83.9
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			20	19	20	21	22	21	21	21	21
Maximum Speed		rpm	750	750	750	750	750	750	750	750	750
Compressor			Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			8	9	9	9	9	9	9	9	9
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 + 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 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration											
Charge (Total)		kg	34 + 39 + 42	38 + 39 + 45	38 + 43 + 45	39 + 39 + 42	41 + 42 + 49	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48	45 + 44 + 48
Connections											
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150	DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System											
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	10	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 in 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

Unit Data			DCF046DR-07DXY0	DCF048DR-07DPY0	DCF051DR-08DPV0	DCF053DR-08DYY0	DCF049DR-09DXY0	DCF051DR-09DPY0	DCF053DR-10DPV0	DCF055DR-09DYV0	DCF055DR-10DYY0	DCF058DR-10DVV0	DCF062DR-10FVW0	DCF065DR-10FWW0	DCF069TR-10GPPY	DCF051DR-11DXY0	DCF053DR-11DPY0	DCF055DR-12DPV0
Nominal Run Amps	(1)	A	292.9	303.4	331.7	333.4	300.7	311.1	339.4	361.5	341.1	390.0	402.0	414.1	440.1	308.5	318.9	347.1
Maximum Start Amps		A	568.5	566.8	595.1	609.0	576.3	574.5	602.8	628.9	616.7	657.4	665.4	649.5	703.5	584.1	582.3	610.5
Recommended Mains Fuse Size		A	315	355	355	355	315	355	400	400	355	450	450	450	500	355	355	400
Evaporator																		
Immersion Heater Rating		W	170	170	170	170	170	170	170	170	170	170	170	170	250	170	170	170
Condenser Fan - Per Fan (EC)																		
Quantity			7	7	8	8	9	9	10	9	10	10	10	10	10	11	11	12
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Compressor - Per Compressor																		
Nominal Run Amps		A	36 / 47.9	59.2 / 47.9	59.2 / 55.2	47.9 / 47.9	36 / 47.9	59.2 / 47.9	59.2 / 55.2	47.9 / 55.2	47.9 / 47.9	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.9	36 / 47.9	59.2 / 47.9	59.2 / 55.2
Quantity			3 + 3	2 + 3	2 + 3	3 + 3	3 + 3	2 + 3	2 + 3	3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 2 + 3	3 + 3	2 + 3	2 + 3
Motor Rating		kW	22.7 / 29.8	36.2 / 29.8	36.2 / 33.1	29.8 / 29.8	22.7 / 29.8	36.2 / 29.8	36.2 / 33.1	29.8 / 33.1	29.8 / 29.8	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8	22.7 / 29.8	36.2 / 29.8	36.2 / 33.1
Sump Heater Rating		W	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	210 / 326	298 / 326	298 / 326	326 / 326	210 / 326	298 / 326	298 / 326	326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 298 / 326	210 / 326	298 / 326	298 / 326

(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

OPTIONAL EXTRAS			DCF046DR-07DXY0	DCF048DR-07DPY0	DCF051DR-08DPV0	DCF053DR-08DYY0	DCF049DR-09DXY0	DCF051DR-09DPY0	DCF053DR-10DPV0	DCF055DR-09DYV0	DCF055DR-10DYY0	DCF058DR-10DVV0	DCF062DR-10FVW0	DCF065DR-10FWW0	DCF069TR-10GPPY	DCF051DR-11DXY0	DCF053DR-11DPY0	DCF055DR-12DPV0
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	281.1	287.2	308.4	318.3	288.9	295.0	316.2	339.5	326.1	360.7	374.4	388.0	415.2	296.7	302.7	324.0
Reactive power reduction/saving	(4)	kVAr	22.6	29.8	41.1	28.5	22.6	29.9	41.1	39.7	28.5	50.9	48.9	46.8	45.4	22.7	29.9	41.2
Maximum Start Amps		A	556.7	550.6	571.8	593.9	564.5	558.4	579.6	606.9	601.7	628.1	637.8	623.4	678.6	572.3	566.1	587.4
Recommended Mains Fuse Size		A	315	355	355	355	315	355	400	400	355	450	450	450	500	355	355	400
Electronic Soft-start																		
Nominal Run Amps		A	292.9	303.4	331.7	333.4	300.7	311.1	339.4	361.5	341.1	390.0	402.0	414.1	440.1	308.5	318.9	347.1
Maximum Start Amps		A	438.1	436.4	464.7	478.6	445.9	444.1	472.4	498.5	486.3	527.0	535.0	530.3	573.1	453.7	451.9	480.1
Recommended Mains Fuse		A	315	355	355	355	315	355	400	400	355	450	450	450	500	355	355	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	281.1	287.2	308.4	318.3	288.9	295.0	316.2	339.5	326.1	360.7	374.4	388.0	415.2	296.7	302.7	324.0
Maximum Start Amps		A	426.3	420.2	441.4	463.5	434.1	428.0	449.2	476.5	471.3	497.7	507.4	504.2	548.2	441.9	435.7	457.0
Recommended Mains Fuse Size		A	315.0	355.0	355.0	355.0	315.0	355.0	400.0	400.0	355.0	450.0	450.0	450.0	500.0	355.0	355.0	400.0
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	14.8	14.8	14.8	14.8	14.8	14.8	21.2	21.2	21.2	21.2	21.2	28.5	28.5	14.8	14.8	14.8
Unit Nominal Run Amps		A	307.5	318.0	346.4	348.0	315.2	325.7	360.5	382.5	362.1	411.1	423.1	442.5	468.4	323.0	333.5	361.8
Recommended Mains Fuse Size		A	355	355	400	400	355	355	400	400	400	450	450	500	500	355	355	400
Motor Rating		kW	8.4	8.4	8.4	8.4	8.4	8.4	12.1	12.1	12.1	12.1	12.1	16.4	16.4	8.4	8.4	8.4
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	28.5	28.5	28.5	28.5	21.2	21.2	28.5	28.5	28.5	28.5	28.5	35.0	35.0	21.2	21.2	21.2
Unit Nominal Run Amps		A	321.1	331.7	360.1	361.6	321.6	332.1	367.8	389.8	369.3	418.4	430.4	448.9	474.9	329.3	339.8	368.2
Recommended Mains Fuse Size		A	355	355	400	400	355	355	400	450	400	450	450	500	500	355	400	400
Motor Rating		kW	16.4	16.4	16.4	16.4	12.1	12.1	16.4	16.4	16.4	16.4	16.4	20.3	20.3	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	13.9	13.9	13.9	19.8	19.8	19.8	19.8	19.8	26.9	26.9	13.9	13.9	13.9
Unit Nominal Run Amps		A	304.3	314.7	342.8	344.7	312.1	322.4	355.3	377.5	357.4	405.7	417.9	435.8	462.0	319.9	330.2	358.2
Recommended Mains Fuse Size		A	355	355	400	400	355	355	400	400	400	450	450	500	500	355	355	400
Motor Rating		kW	8.6	8.6	8.6	8.6	8.6	8.6	12.4	12.4	12.4	12.4	12.4	16.8	16.8	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	26.9	19.8	19.8	26.9	26.9	26.9	26.9	26.9	33.2	33.2	19.8	19.8	19.8
Unit Nominal Run Amps		A	315.2	325.4	353.3	355.5	317.1	327.3	361.0	383.3	363.3	411.4	423.6	440.9	467.1	324.9	335.1	363.1
Recommended Mains Fuse Size		A	355	355	400	400	355	355	400	450	400	450	450	500	500	355	355	400
Motor Rating		kW	16.8	16.8	16.8	16.8	12.4	12.4	16.8	16.8	16.8	16.8	16.8	20.7	20.7	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 - Regular Quiet

Unit Data			DCF057DR-12DYY0	DCF058DR-11DYV0	DCF060DR-12DVV0	DCF065DR-12FVW0	DCF068DR-12FWW0	DCF074TR-11GPYY	DCF079TR-12GYYY	DCF059DR-13DYV0	DCF062DR-14DVV0	DCF066DR-14FVW0	DCF070DR-14FWW0	DCF073TR-13GPPY	DCF078TR-14GPYY	DCF082TR-13HYYV	DCF085TR-14HYVV	DCF075TR-16GPPY
Nominal Run Amps	(1)	A	348.9	369.2	397.6	409.7	421.8	470.1	500.1	376.9	405.3	417.4	429.6	451.7	481.7	528.1	556.4	463.3
Maximum Start Amps		A	624.5	636.6	665.0	673.1	657.2	733.5	775.7	644.3	672.7	680.8	665.0	715.1	745.1	795.5	823.8	726.7
Recommended Mains Fuse Size		A	400	400	450	450	450	500	560	400	450	450	450	500	500	560	630	500
Evaporator																		
Immersion Heater Rating		W	170	170	170	170	170	250	250	170	170	170	170	250	250	250	250	250
Condenser Fan - Per Fan (EC)																		
Quantity			12	11	12	12	12	11	12	13	14	14	14	13	14	13	14	16
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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	55.2 / 59.2	59.2 / 59.2	59.2 / 47.9 / 47.9	47.9 / 47.9 / 47.9	47.9 / 55.2	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.9	59.2 / 47.9 / 47.9	47.9 / 47.9 / 55.2	47.9 / 55.2 / 55.2	59.2 / 59.2 / 47.9
Quantity			3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 3 + 3	3 + 3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 2 + 3	2 + 3 + 3	3 + 3 + 3	3 + 3 + 3	2 + 2 + 3
Motor Rating		kW	29.8 / 29.8	29.8 / 33.1	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 29.8 / 29.8	29.8 / 29.8 / 29.8	29.8 / 33.1	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 29.8 / 33.1	29.8 / 33.1 / 33.1	36.2 / 36.2 / 29.8
Sump Heater Rating		W	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 326 / 326	326 / 326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 298 / 326	298 / 326 / 326	326 / 326 / 326	326 / 326 / 326	298 / 298 / 326

(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

OPTIONAL EXTRAS			DCF057DR-12DYY0	DCF058DR-11DYV0	DCF060DR-12DVV0	DCF065DR-12FVW0	DCF068DR-12FWW0	DCF074TR-11GPYY	DCF079TR-12GYYY	DCF059DR-13DYV0	DCF062DR-14DVV0	DCF066DR-14FVW0	DCF070DR-14FWW0	DCF073TR-13GPPY	DCF078TR-14GPYY	DCF082TR-13HYYV	DCF085TR-14HYVV	DCF075TR-16GPPY
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	333.8	347.3	368.5	382.1	395.8	446.3	477.4	355.0	376.3	389.9	403.6	426.9	458.0	498.6	519.8	438.6
Reactive power reduction/saving	(4)	kVAr	28.6	39.8	51.0	48.9	46.8	44.1	42.7	39.8	51.0	49.0	46.9	45.5	44.1	53.9	65.2	45.6
Maximum Start Amps		A	609.4	614.7	635.9	645.5	631.2	709.7	753.0	622.4	643.7	653.3	639.0	690.3	721.4	766.0	787.2	702.0
Recommended Mains Fuse Size		A	400	400	450	450	450	500	560	400	450	450	450	500	500	560	630	500
Electronic Soft-start																		
Nominal Run Amps		A	348.9	369.2	397.6	409.7	421.8	470.1	500.1	376.9	405.3	417.4	429.6	451.7	481.7	528.1	556.4	463.3
Maximum Start Amps		A	494.1	506.2	534.6	542.7	538.0	603.1	645.3	513.9	542.3	550.4	545.8	584.7	614.7	665.1	693.4	596.3
Recommended Mains Fuse		A	400	400	450	450	450	500	560	400	450	450	450	500	500	560	630	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	333.8	347.3	368.5	382.1	395.8	446.3	477.4	355.0	376.3	389.9	403.6	426.9	458.0	498.6	519.8	438.6
Maximum Start Amps		A	479.0	484.3	505.5	515.1	512.0	579.3	622.6	492.0	513.3	522.9	519.8	559.9	591.0	635.6	656.8	571.6
Recommended Mains Fuse Size		A	400.0	400.0	450.0	450.0	450.0	500.0	560.0	400.0	450.0	450.0	450.0	500.0	500.0	560.0	630.0	500.0
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	21.2	21.2	21.2	21.2	21.2	28.5	28.5	21.2	21.2	21.2	21.2	21.2	28.5	28.5	28.5	21.2
Unit Nominal Run Amps		A	369.8	390.2	418.7	430.8	442.9	498.3	528.3	398.0	426.4	438.5	450.6	472.7	509.9	556.4	584.8	484.3
Recommended Mains Fuse Size		A	400	450	450	450	500	560	560	450	450	500	500	500	560	630	630	560
Motor Rating		kW	12.1	12.1	12.1	12.1	12.1	16.4	16.4	12.1	12.1	12.1	12.1	12.1	16.4	16.4	16.4	12.1
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	28.5	28.5	28.5	28.5	28.5	35.0	35.0	28.5	28.5	28.5	28.5	28.5	35.0	35.0	35.0	28.5
Unit Nominal Run Amps		A	377.1	397.5	426.0	438.1	450.2	504.8	534.7	405.2	433.7	445.8	457.9	480.0	516.4	562.9	591.3	491.6
Recommended Mains Fuse Size		A	400	450	450	500	500	560	560	450	450	500	500	500	560	630	630	560
Motor Rating		kW	16.4	16.4	16.4	16.4	16.4	20.3	20.3	16.4	16.4	16.4	16.4	16.4	20.3	20.3	20.3	16.4
Standard Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	19.8	19.8	19.8	19.8	19.8	26.9	26.9	19.8	19.8	19.8	19.8	19.8	26.9	26.9	26.9	19.8
Unit Nominal Run Amps		A	365.2	385.3	413.5	425.6	437.8	492.0	522.2	393.0	421.2	433.4	445.6	467.8	503.7	550.0	578.0	479.5
Recommended Mains Fuse Size		A	400	450	450	450	500	560	560	450	450	500	500	500	560	630	630	500
Motor Rating		kW	12.4	12.4	12.4	12.4	12.4	16.8	16.8	12.4	12.4	12.4	12.4	12.4	16.8	16.8	16.8	12.4
Larger Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	26.9	26.9	26.9	26.9	26.9	33.2	33.2	26.9	26.9	26.9	26.9	26.9	33.2	33.2	33.2	26.9
Unit Nominal Run Amps		A	371.1	391.0	419.1	431.3	443.6	497.2	527.3	398.8	426.9	439.1	451.3	473.6	508.8	555.1	583.1	485.2
Recommended Mains Fuse Size		A	400	450	450	500	500	560	560	450	450	500	500	500	560	630	630	560
Motor Rating		kW	16.8	16.8	16.8	16.8	16.8	20.7	20.7	16.8	16.8	16.8	16.8	16.8	20.7	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

Unit Data			DCF082TR-15GYYY	DCF085TR-16HYYV	DCF090TR-15HVVV	DCF092TR-15HVVW	DCF094TR-15HVWW	DCF096TR-15HWWW	DCF080TR-17GPYY	DCF085TR-18GYYY	DCF088TR-17HYVV	DCF093TR-18HVVV	DCF095TR-18HVVW	DCF098TR-18HVWW	DCF100TR-18HWWW	DCF088TR-19HYYV	DCF090TR-20HYVV	DCF095TR-21HVVV
Nominal Run Amps	(1)	A	511.7	539.7	584.9	597.0	609.1	621.2	493.3	523.4	568.0	596.5	608.5	620.6	632.8	551.3	579.6	608.0
Maximum Start Amps		A	787.3	807.1	852.3	860.4	872.5	856.6	756.7	799.0	835.4	863.9	871.9	884.0	868.2	818.7	847.0	875.4
Recommended Mains Fuse Size		A	560	560	630	630	630	670	560	560	630	630	630	670	670	630	630	630
Evaporator																		
Immersion Heater Rating		W	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Condenser Fan - Per Fan (EC)																		
Quantity			15	16	15	15	15	15	17	18	17	18	18	18	18	19	20	21
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2	59.2 / 47.9 / 47.9	47.9 / 47.9 / 47.9	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2	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	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	2 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2	36.2 / 29.8 / 29.8	29.8 / 29.8 / 29.8	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2	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	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298	298 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326

(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

OPTIONAL EXTRAS			DCF082TR-15GYYY	DCF085TR-16HYYV	DCF090TR-15HVVV	DCF092TR-15HVVW	DCF094TR-15HVWW	DCF096TR-15HWWW	DCF080TR-17GPYY	DCF085TR-18GYYY	DCF088TR-17HYVV	DCF093TR-18HVVV	DCF095TR-18HVVW	DCF098TR-18HVWW	DCF100TR-18HWWW	DCF088TR-19HYYV	DCF090TR-20HYVV	DCF095TR-21HVVV
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	489.1	510.3	541.0	554.7	568.4	582.1	469.7	500.7	531.5	552.7	566.4	580.1	593.7	522.0	543.2	564.4
Reactive power reduction/saving	(4)	kVAr	42.8	54.0	76.4	74.3	72.3	70.2	44.2	42.8	65.2	76.5	74.4	72.3	70.3	54.1	65.3	76.6
Maximum Start Amps		A	764.7	777.7	808.4	818.1	831.8	817.5	733.1	776.3	798.9	820.1	829.8	843.5	829.1	789.4	810.6	831.8
Recommended Mains Fuse Size		A	560	560	630	630	630	670	560	560	630	630	630	670	670	630	630	630
Electronic Soft-start																		
Nominal Run Amps		A	511.7	539.7	584.9	597.0	609.1	621.2	493.3	523.4	568.0	596.5	608.5	620.6	632.8	551.3	579.6	608.0
Maximum Start Amps		A	656.9	676.7	721.9	730.0	742.1	737.4	626.3	668.6	705.0	733.5	741.5	753.6	749.0	688.3	716.6	745.0
Recommended Mains Fuse		A	560	560	630	630	630	670	560	560	630	630	630	670	670	630	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	489.1	510.3	541.0	554.7	568.4	582.1	469.7	500.7	531.5	552.7	566.4	580.1	593.7	522.0	543.2	564.4
Maximum Start Amps		A	634.3	647.3	678.0	687.7	701.4	698.3	602.7	645.9	668.5	689.7	699.4	713.1	709.9	659.0	680.2	701.4
Recommended Mains Fuse Size		A	560.0	560.0	630.0	630.0	630.0	670.0	560.0	560.0	630.0	630.0	630.0	670.0	670.0	630.0	630.0	630.0
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	28.5	28.5	28.5	28.5	28.5	35.0	28.5	28.5	28.5	28.5	28.5	28.5	35.0	28.5	28.5	28.5
Unit Nominal Run Amps		A	539.9	568.0	613.3	625.4	637.4	656.0	521.5	551.5	596.3	624.9	636.9	649.0	667.6	579.6	607.9	636.4
Recommended Mains Fuse Size		A	560	630	630	670	670	710	560	630	630	670	670	670	710	630	630	670
Motor Rating		kW	16.4	16.4	16.4	16.4	16.4	20.3	16.4	16.4	16.4	16.4	16.4	16.4	20.3	16.4	16.4	16.4
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	35.0	35.0	35.0	35.0	35.0	41.5	35.0	35.0	35.0	35.0	35.0	35.0	41.5	35.0	35.0	35.0
Unit Nominal Run Amps		A	546.4	574.5	619.8	631.9	643.9	662.4	528.0	558.0	602.8	631.4	643.4	655.5	674.0	586.1	614.4	642.9
Recommended Mains Fuse Size		A	560	630	670	670	670	710	560	630	630	670	670	710	710	630	670	670
Motor Rating		kW	20.3	20.3	20.3	20.3	20.3	23.9	20.3	20.3	20.3	20.3	20.3	20.3	23.9	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	26.9	26.9	33.2	26.9	26.9	26.9	26.9	26.9	26.9	33.2	26.9	26.9	26.9
Unit Nominal Run Amps		A	533.8	561.6	606.3	618.5	630.6	647.9	515.3	545.5	589.6	617.9	630.1	642.2	659.5	573.2	601.2	629.5
Recommended Mains Fuse Size		A	560	630	630	670	670	710	560	630	630	670	670	670	710	630	630	670
Motor Rating		kW	16.8	16.8	16.8	16.8	16.8	20.7	16.8	16.8	16.8	16.8	16.8	16.8	20.7	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	33.2	33.2	39.2	33.2	33.2	33.2	33.2	33.2	33.2	39.2	33.2	33.2	33.2
Unit Nominal Run Amps		A	539.0	566.7	611.4	623.5	635.7	652.8	520.5	550.7	594.7	622.9	635.1	647.3	664.4	578.4	606.3	634.5
Recommended Mains Fuse Size		A	560	630	670	670	670	710	560	630	630	670	670	710	710	630	630	670
Motor Rating		kW	20.7	20.7	20.7	20.7	20.7	24.4	20.7	20.7	20.7	20.7	20.7	20.7	24.4	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, Extra Quiet

Unit Data			DCF098TR-21HVVW	DCF101TR-21HVWW	DCF103TR-21HWWW	DCF047DX-09DXY0	DCF049DX-09DPY0	DCF051DX-10DPV0	DCF053DX-10DYY0	DCF049DX-11DXY0	DCF051DX-11DPY0	DCF053DX-12DPV0	DCF055DX-11DYV0	DCF055DX-12DYY0	DCF058DX-12DVV0	DCF062DX-12FVW0	DCF065DX-12FWW0	DCF050DX-13DXY0
Nominal Run Amps	(1)	A	620.1	632.2	644.4	300.7	311.1	339.4	341.1	308.5	318.9	347.1	369.2	348.9	397.6	409.7	421.8	316.2
Maximum Start Amps		A	883.5	895.6	879.8	576.3	574.5	602.8	616.7	584.1	582.3	610.5	636.6	624.5	665.0	673.1	657.2	591.8
Recommended Mains Fuse Size		A	670	670	670	315	355	400	355	355	355	400	400	400	450	450	450	355
Evaporator																		
Immersion Heater Rating		W	250	250	250	170	170	170	170	170	170	170	170	170	170	170	170	170
Condenser Fan - Per Fan (EC)																		
Quantity			21	21	21	9	9	10	10	11	11	12	11	12	12	12	12	13
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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	36 / 47.9	59.2 / 47.9	59.2 / 55.2	47.9 / 47.9	36 / 47.9	59.2 / 47.9	59.2 / 55.2	47.9 / 55.2	47.9 / 47.9	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2	36 / 47.9
Quantity			3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3	2 + 3	2 + 3	3 + 3	3 + 3	2 + 3	2 + 3	3 + 3	3 + 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	22.7 / 29.8	36.2 / 29.8	36.2 / 33.1	29.8 / 29.8	22.7 / 29.8	36.2 / 29.8	36.2 / 33.1	29.8 / 33.1	29.8 / 29.8	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	22.7 / 29.8
Sump Heater Rating		W	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298	210 / 326	298 / 326	298 / 326	326 / 326	210 / 326	298 / 326	298 / 326	326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	210 / 326

(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, Extra Quiet

OPTIONAL EXTRAS			DCF098TR-21HVVW	DCF101TR-21HVWW	DCF103TR-21HWWW	DCF047DX-09DXY0	DCF049DX-09DPY0	DCF051DX-10DPV0	DCF053DX-10DYY0	DCF049DX-11DXY0	DCF051DX-11DPY0	DCF053DX-12DPV0	DCF055DX-11DYV0	DCF055DX-12DYY0	DCF058DX-12DVV0	DCF062DX-12FVW0	DCF065DX-12FWW0	DCF050DX-13DXY0
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	578.0	591.7	605.4	288.9	295.0	316.2	326.1	296.7	302.7	324.0	347.3	333.8	368.5	382.1	395.8	304.4
Reactive power reduction/saving	(4)	kVAr	74.5	72.4	70.3	22.6	29.9	41.1	28.5	22.7	29.9	41.2	39.8	28.6	51.0	48.9	46.8	22.7
Maximum Start Amps		A	841.4	855.1	840.8	564.5	558.4	579.6	601.7	572.3	566.1	587.4	614.7	609.4	635.9	645.5	631.2	580.0
Recommended Mains Fuse Size		A	670	670	670	315	355	400	355	355	355	400	400	400	450	450	450	355
Electronic Soft-start																		
Nominal Run Amps		A	620.1	632.2	644.4	300.7	311.1	339.4	341.1	308.5	318.9	347.1	369.2	348.9	397.6	409.7	421.8	316.2
Maximum Start Amps		A	753.1	765.2	760.6	445.9	444.1	472.4	486.3	453.7	451.9	480.1	506.2	494.1	534.6	542.7	538.0	461.4
Recommended Mains Fuse		A	670	670	670	315	355	400	355	355	355	400	400	400	450	450	450	355
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	578.0	591.7	605.4	288.9	295.0	316.2	326.1	296.7	302.7	324.0	347.3	333.8	368.5	382.1	395.8	304.4
Maximum Start Amps		A	711.0	724.7	721.6	434.1	428.0	449.2	471.3	441.9	435.7	457.0	484.3	479.0	505.5	515.1	512.0	449.6
Recommended Mains Fuse Size		A	670.0	670.0	670.0	315	355	400	355	355	355	400	400	400	450	450	450	355
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	28.5	35.0	35.0	14.8	14.8	14.8	14.8	14.8	14.8	14.8	21.2	14.8	21.2	21.2	21.2	14.8
Unit Nominal Run Amps		A	648.4	667.0	679.1	315.2	325.7	354.1	355.7	323.0	333.5	361.8	390.2	363.5	418.7	430.8	442.9	330.7
Recommended Mains Fuse Size		A	670	710	710	355	355	400	400	355	355	400	450	400	450	450	500	355
Motor Rating		kW	16.4	20.3	20.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	12.1	8.4	12.1	12.1	12.1	8.4
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	35.0	41.5	41.5	21.2	21.2	21.2	21.2	21.2	21.2	21.2	28.5	21.2	28.5	28.5	28.5	21.2
Unit Nominal Run Amps		A	654.9	673.5	685.6	321.6	332.1	360.5	362.1	329.3	339.8	368.2	397.5	369.8	426.0	438.1	450.2	337.1
Recommended Mains Fuse Size		A	710	710	710	355	355	400	400	355	400	400	450	400	450	500	500	355
Motor Rating		kW	20.3	23.9	23.9	12.1	12.1	12.1	12.1	12.1	12.1	12.1	16.4	12.1	16.4	16.4	16.4	12.1
Standard Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	26.9	33.2	33.2	13.9	13.9	13.9	13.9	13.9	13.9	13.9	19.8	13.9	19.8	19.8	19.8	13.9
Unit Nominal Run Amps		A	641.6	658.9	671.2	312.1	322.4	350.5	352.5	319.9	330.2	358.2	385.3	360.3	413.5	425.6	437.8	327.7
Recommended Mains Fuse Size		A	670	710	710	355	355	400	400	355	355	400	450	400	450	450	500	355
Motor Rating		kW	16.8	20.7	20.7	8.6	8.6	8.6	8.6	8.6	8.6	8.6	12.4	8.6	12.4	12.4	12.4	8.6
Larger Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	33.2	39.2	39.2	19.8	19.8	19.8	19.8	19.8	19.8	19.8	26.9	19.8	26.9	26.9	26.9	19.8
Unit Nominal Run Amps		A	646.7	663.7	676.0	317.1	327.3	355.3	357.4	324.9	335.1	363.1	391.0	365.2	419.1	431.3	443.6	332.6
Recommended Mains Fuse Size		A	710	710	710	355	355	400	400	355	355	400	450	400	450	500	500	355
Motor Rating		kW	20.7	24.4	24.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	16.8	12.4	16.8	16.8	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

Unit Data			DCF053DX-13DPY0	DCF055DX-14DPV0	DCF057DX-13DYV0	DCF057DX-14DYY0	DCF060DX-14DVV0	DCF064DX-14FVW0	DCF068DX-14FWW0	DCF069TX-13GPPY	DCF075TX-14GPYY	DCF059DX-15DYV0	DCF061DX-16DVV0	DCF066DX-16FVW0	DCF069DX-16FWW0	DCF073TX-16GPPY	DCF079TX-15GYYY	DCF082TX-16HYYV
Nominal Run Amps	(1)	A	326.6	354.8	376.9	356.7	405.3	417.4	429.6	451.7	481.7	384.7	413.0	425.1	437.3	463.3	511.7	539.7
Maximum Start Amps		A	590.0	618.2	644.3	632.3	672.7	680.8	665.0	715.1	745.1	652.1	680.4	688.5	672.7	726.7	787.3	807.1
Recommended Mains Fuse Size		A	355	400	400	400	450	450	450	500	500	450	450	450	500	500	560	560
Evaporator																		
Immersion Heater Rating		W	170	170	170	170	170	170	170	250	250	170	170	170	170	250	250	250
Condenser Fan - Per Fan (EC)																		
Quantity			13	14	13	14	14	14	14	13	14	15	16	16	16	16	15	16
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Compressor - Per Compressor																		
Nominal Run Amps		A	59.2 / 47.9	59.2 / 55.2	47.9 / 55.2	47.9 / 47.9	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.9	59.2 / 47.9 / 47.9	47.9 / 55.2	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.9	47.9 / 47.9 / 47.9	47.9 / 47.9 / 55.2
Quantity			2 + 3	2 + 3	3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 2 + 3	2 + 3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 2 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 29.8	36.2 / 33.1	29.8 / 33.1	29.8 / 29.8	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 33.1	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1
Sump Heater Rating		W	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	298 / 326	298 / 326	326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 298 / 326	298 / 326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 298 / 326	326 / 326 / 326	326 / 326 / 326

(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

OPTIONAL EXTRAS			DCF053DX-13DPY0	DCF055DX-14DPV0	DCF057DX-13DYV0	DCF057DX-14DYY0	DCF060DX-14DVV0	DCF064DX-14FVW0	DCF068DX-14FWW0	DCF069TX-13GPPY	DCF075TX-14GPYY	DCF059DX-15DYV0	DCF061DX-16DVV0	DCF066DX-16FVW0	DCF069DX-16FWW0	DCF073TX-16GPPY	DCF079TX-15GYYY	DCF082TX-16HYYV
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	310.5	331.7	355.0	341.6	376.3	389.9	403.6	426.9	458.0	362.8	384.0	397.7	411.4	438.6	489.1	510.3
Reactive power reduction/saving	(4)	kVAr	30.0	41.2	39.8	28.6	51.0	49.0	46.9	45.5	44.1	39.8	51.1	49.0	46.9	45.6	42.8	54.0
Maximum Start Amps		A	573.9	595.1	622.4	617.2	643.7	653.3	639.0	690.3	721.4	630.2	651.4	661.1	646.8	702.0	764.7	777.7
Recommended Mains Fuse Size		A	355	400	400	400	450	450	450	500	500	450	450	450	500	500	560	560
Electronic Soft-start																		
Nominal Run Amps		A	326.6	354.8	376.9	356.7	405.3	417.4	429.6	451.7	481.7	384.7	413.0	425.1	437.3	463.3	511.7	539.7
Maximum Start Amps		A	459.6	487.8	513.9	501.9	542.3	550.4	545.8	584.7	614.7	521.7	550.0	558.1	553.5	596.3	656.9	676.7
Recommended Mains Fuse		A	355	400	400	400	450	450	450	500	500	450	450	450	500	500	560	560
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	310.5	331.7	355.0	341.6	376.3	389.9	403.6	426.9	458.0	362.8	384.0	397.7	411.4	438.6	489.1	510.3
Maximum Start Amps		A	443.5	464.7	492.0	486.8	513.3	522.9	519.8	559.9	591.0	499.8	521.0	530.7	527.6	571.6	634.3	647.3
Recommended Mains Fuse Size		A	355	400	400	400	450	450	450	500	500	450	450	450	500	500	560	560
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	14.8	14.8	14.8	14.8	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	28.5	28.5
Unit Nominal Run Amps		A	341.2	369.5	391.6	371.2	426.4	438.5	450.6	472.7	502.6	405.7	434.1	446.2	458.3	484.3	539.9	568.0
Recommended Mains Fuse Size		A	400	400	450	400	450	500	500	500	560	450	450	500	500	560	560	630
Motor Rating		kW	8.4	8.4	8.4	8.4	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	16.4	16.4
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	21.2	21.2	21.2	21.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	35.0	35.0
Unit Nominal Run Amps		A	347.6	375.9	398.0	377.6	433.7	445.8	457.9	480.0	509.9	413.0	441.4	453.5	465.6	491.6	546.4	574.5
Recommended Mains Fuse Size		A	400	400	450	400	450	500	500	500	560	450	500	500	500	560	560	630
Motor Rating		kW	12.1	12.1	12.1	12.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	20.3	20.3
Standard Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	13.9	13.9	13.9	13.9	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	26.9	26.9
Unit Nominal Run Amps		A	337.9	365.9	388.1	368.0	421.2	433.4	445.6	467.8	497.9	400.8	428.9	441.1	453.3	479.5	533.8	561.6
Recommended Mains Fuse Size		A	400	400	450	400	450	500	500	500	560	450	450	500	500	500	560	630
Motor Rating		kW	8.6	8.6	8.6	8.6	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	16.8	16.8
Larger Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	19.8	19.8	19.8	19.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	33.2	33.2
Unit Nominal Run Amps		A	342.8	370.8	393.0	373.0	426.9	439.1	451.3	473.6	503.7	406.5	434.6	446.8	459.1	485.2	539.0	566.7
Recommended Mains Fuse Size		A	400	400	450	400	450	500	500	500	560	450	500	500	500	560	560	630
Motor Rating		kW	12.4	12.4	12.4	12.4	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	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 - Extra Quiet

Unit Data			DCF078TX-17GPYY	DCF082TX-18GYYY	DCF085TX-17HYVV	DCF089TX-18HVVV	DCF092TX-18HVVW	DCF094TX-18HVWW	DCF096TX-18HWWW	DCF074TX-19GPPY	DCF079TX-20GPYY	DCF085TX-19HYYV	DCF088TX-20HYVV	DCF084TX-21GYYY	DCF087TX-22HYYV	DCF092TX-21HVVV	DCF095TX-21HVVW	DCF097TX-21HVWW	DCF099TX-21HWWW
Nominal Run Amps	(1)	A	493.3	523.4	568.0	596.5	608.5	620.6	632.8	474.9	504.9	551.3	579.6	535.0	562.9	608.0	620.1	632.2	644.4
Maximum Start Amps		A	756.7	799.0	835.4	863.9	871.9	884.0	868.2	738.3	768.3	818.7	847.0	810.6	830.3	875.4	883.5	895.6	879.8
Recommended Mains Fuse Size		A	560	560	630	630	630	670	670	500	560	630	630	560	630	630	670	670	670
Evaporator																			
Immersion Heater Rating		W	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Condenser Fan - Per Fan (EC)																			
Quantity			17	18	17	18	18	18	18	19	20	19	20	21	22	21	21	21	21
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.56
Compressor - Per Compressor																			
Nominal Run Amps		A	59.2 / 47.9 / 47.9	47.9 / 47.9 / 47.9	47.9 / 55.2 / 55.2	55.2 / 55.2 / 59.2	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2	59.2 / 59.2 / 47.9	59.2 / 47.9 / 47.9	47.9 / 47.9 / 55.2	47.9 / 55.2 / 55.2	47.9 / 47.9 / 47.9	47.9 / 47.9 / 55.2	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			2 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	2 + 2 + 3	2 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 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 / 33.1	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 29.8 / 33.1	29.8 / 33.1 / 33.1	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1	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	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	298 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298	298 / 298 / 326	298 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298

(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

OPTIONAL EXTRAS			DCF078TX-17GPYY	DCF082TX-18GYYY	DCF085TX-17HYVV	DCF089TX-18HVVV	DCF092TX-18HVVW	DCF094TX-18HVWW	DCF096TX-18HWWW	DCF074TX-19GPPY	DCF079TX-20GPYY	DCF085TX-19HYYV	DCF088TX-20HYVV	DCF084TX-21GYYY	DCF087TX-22HYYV	DCF092TX-21HVVV	DCF095TX-21HVVW	DCF097TX-21HVWW	DCF099TX-21HWWW
Power Factor Correction (PF 0.98)	(3)																		
Nominal Run Amps		A	469.7	500.7	531.5	552.7	566.4	580.1	593.7	450.2	481.3	522.0	543.2	512.4	533.6	564.4	578.0	591.7	605.4
Reactive power reduction/saving	(4)	kVAr	44.2	42.8	65.2	76.5	74.4	72.3	70.3	45.6	44.3	54.1	65.3	42.9	54.1	76.6	74.5	72.4	70.3
Maximum Start Amps		A	733.1	776.3	798.9	820.1	829.8	843.5	829.1	713.6	744.7	789.4	810.6	788.0	801.0	831.8	841.4	855.1	840.8
Recommended Mains Fuse Size		A	560	560	630	630	630	670	670	500	560	630	630	560	630	630	670	670	670
Electronic Soft-start																			
Nominal Run Amps		A	493.3	523.4	568.0	596.5	608.5	620.6	632.8	474.9	504.9	551.3	579.6	535.0	562.9	608.0	620.1	632.2	644.4
Maximum Start Amps		A	626.3	668.6	705.0	733.5	741.5	753.6	749.0	607.9	637.9	688.3	716.6	680.2	699.9	745.0	753.1	765.2	760.6
Recommended Mains Fuse		A	560	560	630	630	630	670	670	500	560	630	630	560	630	630	670	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																		
Nominal Run Amps		A	469.7	500.7	531.5	552.7	566.4	580.1	593.7	450.2	481.3	522.0	543.2	512.4	533.6	564.4	578.0	591.7	605.4
Maximum Start Amps		A	602.7	645.9	668.5	689.7	699.4	713.1	709.9	583.2	614.3	659.0	680.2	657.6	670.6	701.4	711.0	724.7	721.6
Recommended Mains Fuse Size		A	560	560	630	630	630	670	670	500	560	630	630	560	630	630	670	670	670
Standard Head Pump (Single or Run/Standby)																			
Pump Full Load Amps		A	21.2	28.5	28.5	28.5	28.5	28.5	28.5	21.2	21.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5	35.0
Unit Nominal Run Amps		A	514.3	551.5	596.3	624.9	636.9	649.0	661.1	495.9	525.9	579.6	607.9	563.2	591.2	636.4	648.4	660.5	679.1
Recommended Mains Fuse Size		A	560	630	630	670	670	670	710	560	560	630	630	630	630	670	670	710	710
Motor Rating		kW	12.1	16.4	16.4	16.4	16.4	16.4	16.4	12.1	12.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4	20.3
Larger Head Pump (Single or Run/Standby)																			
Pump Full Load Amps		A	28.5	35.0	35.0	35.0	35.0	35.0	35.0	28.5	28.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0	41.5
Unit Nominal Run Amps		A	521.5	558.0	602.8	631.4	643.4	655.5	667.6	503.2	533.1	586.1	614.4	569.6	597.7	642.9	654.9	667.0	685.6
Recommended Mains Fuse Size		A	560	630	630	670	670	710	710	560	560	630	670	630	630	670	710	710	710
Motor Rating		kW	16.4	20.3	20.3	20.3	20.3	20.3	20.3	16.4	16.4	20.3	20.3	20.3	20.3	20.3	20.3	20.3	23.9
Standard Head Inverter Pump (Single or Run/Standby)																			
Pump Full Load Amps		A	19.8	26.9	26.9	26.9	26.9	26.9	26.9	19.8	19.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	33.2
Unit Nominal Run Amps		A	509.5	545.5	589.6	617.9	630.1	642.2	654.5	491.1	521.2	573.2	601.2	557.1	584.9	629.5	641.6	653.8	671.2
Recommended Mains Fuse Size		A	560	630	630	670	670	670	710	560	560	630	630	630	630	670	670	710	710
Motor Rating		kW	12.4	16.8	16.8	16.8	16.8	16.8	16.8	12.4	12.4	16.8	16.8	16.8	16.8	16.8	16.8	16.8	20.7
Larger Head Inverter Pump (Single or Run/Standby)																			
Pump Full Load Amps		A	26.9	33.2	33.2	33.2	33.2	33.2	33.2	26.9	26.9	33.2	33.2	33.2	33.2	33.2	33.2	33.2	39.2
Unit Nominal Run Amps		A	515.3	550.7	594.7	622.9	635.1	647.3	659.5	496.9	527.0	578.4	606.3	562.3	590.0	634.5	646.7	658.9	676.0
Recommended Mains Fuse Size		A	560	630	630	670	670	710	710	560	560	630	630	630	630	670	710	710	710
Motor Rating		kW	16.8	20.7	20.7	20.7	20.7	20.7	20.7	16.8	16.8	20.7	20.7	20.7	20.7	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	96.7	97.1	93.2	87.9	87.1	84.9	83.8	68.6	92.8
		Pressure	64.3	64.6	60.8	55.4	54.7	52.5	51.3	36.2	60.4
2	DCF048DR-07DPY0	Power	94.7	96.5	93.8	89.4	87.6	84.8	83.9	68.7	93.3
		Pressure	62.3	64.1	61.4	57.0	55.2	52.3	51.5	36.3	60.9
3	DCF051DR-08DPV0	Power	94.6	96.7	94.8	89.6	87.7	84.9	83.5	78.9	93.6
		Pressure	62.2	64.3	62.4	57.2	55.3	52.4	51.1	46.5	61.2
4	DCF053DR-08DYY0	Power	96.7	96.2	93.4	88.8	87.9	85.5	84.6	70.0	93.4
		Pressure	64.3	63.8	60.9	56.4	55.4	53.1	52.2	37.6	61.0
5	DCF055DR-09DYV0	Power	96.6	96.4	94.5	89.0	87.9	85.5	84.1	79.0	93.7
		Pressure	64.1	63.8	61.9	56.5	55.4	53.0	51.6	46.5	61.1
6	DCF058DR-10DVV0	Power	96.5	96.5	95.3	89.2	88.0	85.6	83.7	81.7	93.9
		Pressure	63.9	64.0	62.8	56.7	55.4	53.0	51.1	49.2	61.4
7	DCF062DR-10FVW0	Power	95.1	97.8	95.8	90.7	88.8	86.0	84.8	78.9	94.7
		Pressure	62.6	65.3	63.3	58.2	56.2	53.4	52.2	46.4	62.1
8	DCF065DR-10FWW0	Power	93.0	98.7	96.2	91.8	89.4	86.0	85.1	68.7	95.1
		Pressure	60.4	66.1	63.7	59.2	56.8	53.5	52.5	36.1	62.6
9	DCF069TR-10GPPY	Power	95.6	98.3	95.8	91.3	89.3	86.2	85.4	69.9	95.0
		Pressure	63.0	65.8	63.2	58.8	56.7	53.7	52.8	37.4	62.4
10	DCF074TR-11GPYY	Power	97.3	98.2	95.5	91.0	89.5	86.8	85.9	71.0	95.1
		Pressure	64.6	65.5	62.8	58.3	56.8	54.1	53.2	38.3	62.4
11	DCF079TR-12GYYY	Power	98.5	98.0	95.1	90.6	89.6	87.3	86.3	71.8	95.2
		Pressure	65.8	65.3	62.4	57.9	56.9	54.6	53.7	39.1	62.5
12	DCF082TR-13HYYV	Power	98.4	98.1	95.9	90.7	89.7	87.3	86.0	79.3	95.3
		Pressure	65.6	65.3	63.1	57.9	56.9	54.5	53.2	46.5	62.5
13	DCF085TR-14HYVV	Power	98.3	98.2	96.5	90.8	89.7	87.3	85.7	81.9	95.5
		Pressure	65.5	65.4	63.7	58.0	56.9	54.5	52.9	49.1	62.7
14	DCF090TR-15HVVV	Power	98.3	98.5	97.1	91.0	89.9	87.6	85.9	83.5	95.8
		Pressure	65.4	65.5	64.2	58.1	56.9	54.6	53.0	50.6	62.9
15	DCF092TR-15HVVW	Power	97.4	99.2	97.4	92.1	90.3	87.6	86.3	81.9	96.2
		Pressure	64.5	66.3	64.5	59.1	57.4	54.7	53.3	48.9	63.3
16	DCF094TR-15HVWW	Power	96.3	99.9	97.7	92.9	90.7	87.7	86.6	79.1	96.6
		Pressure	63.3	67.0	64.8	59.9	57.8	54.8	53.6	46.2	63.6
17	DCF096TR-15HWWW	Power	94.7	100.5	98.0	93.6	91.1	87.8	86.8	70.5	96.9
		Pressure	61.8	67.5	65.1	60.6	58.2	54.8	53.9	37.5	64.0
18	DCF049DR-09DXY0	Power	96.4	96.4	93.0	87.4	86.6	83.5	80.9	68.9	91.9
		Pressure	63.8	63.8	60.4	54.9	54.1	50.9	48.3	36.4	59.3
19	DCF051DR-09DPY0	Power	94.4	96.0	93.9	89.3	87.5	83.9	81.6	69.1	92.8
		Pressure	61.8	63.5	61.3	56.7	55.0	51.3	49.1	36.5	60.2
20	DCF053DR-10DPV0	Power	94.0	95.6	94.5	89.1	86.9	82.8	80.4	78.9	92.5
		Pressure	61.5	63.1	61.9	56.6	54.4	50.3	47.9	46.3	60.0
21	DCF055DR-10DYY0	Power	96.4	95.4	93.2	88.5	87.5	84.2	82.0	70.3	92.6
		Pressure	63.9	62.8	60.6	55.9	54.9	51.7	49.5	37.8	60.0
22	DCF058DR-11DYV0	Power	96.2	94.9	93.9	88.3	86.9	83.3	81.0	79.0	92.3
		Pressure	63.5	62.2	61.2	55.6	54.2	50.6	48.3	46.4	59.7
23	DCF060DR-12DVV0	Power	96.0	94.4	94.5	88.0	86.3	82.1	79.6	81.7	92.1
		Pressure	63.3	61.7	61.8	55.4	53.6	49.4	46.9	49.1	59.4

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

DCF Noise Data EC Fans 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	DCF065DR-12FVW0	Power	94.5	96.8	95.4	90.2	88.0	83.8	81.3	79.0	93.5
		Pressure	61.8	64.1	62.7	57.5	55.3	51.1	48.7	46.3	60.8
25	DCF068DR-12FWW0	Power	92.1	98.2	96.1	91.6	89.1	84.9	82.5	69.1	94.6
		Pressure	59.4	65.6	63.5	59.0	56.4	52.2	49.8	36.4	61.9
26	DCF073TR-13GPPY	Power	95.1	97.9	95.8	91.2	89.2	85.3	83.0	70.3	94.5
		Pressure	62.3	65.1	63.0	58.4	56.4	52.5	50.2	37.5	61.7
27	DCF078TR-14GPYY	Power	96.9	97.6	95.4	90.8	89.2	85.7	83.5	71.3	94.5
		Pressure	64.1	64.8	62.6	58.0	56.4	52.9	50.7	38.5	61.7
28	DCF082TR-15GYYY	Power	98.2	97.1	94.9	90.3	89.3	86.0	83.8	72.1	94.4
		Pressure	65.2	64.2	62.0	57.3	56.3	53.1	50.9	39.1	61.4
29	DCF085TR-16HYYV	Power	98.0	96.8	95.4	90.1	88.9	85.4	83.1	79.3	94.2
		Pressure	65.1	63.9	62.5	57.2	56.0	52.5	50.2	46.4	61.3
30	DCF088TR-17HYVV	Power	97.9	96.5	95.9	90.0	88.5	84.8	82.4	81.9	94.1
		Pressure	64.8	63.5	62.8	57.0	55.5	51.7	49.3	48.9	61.0
31	DCF093TR-18HVVV	Power	97.7	96.2	96.3	89.8	88.1	84.0	81.4	83.5	93.9
		Pressure	64.7	63.2	63.2	56.8	55.1	50.9	48.4	50.5	60.9
32	DCF095TR-18HVVW	Power	96.8	97.8	96.9	91.4	89.2	85.0	82.5	81.9	94.8
		Pressure	63.7	64.8	63.8	58.3	56.2	51.9	49.5	48.8	61.8
33	DCF098TR-18HVWW	Power	95.5	99.0	97.4	92.5	90.1	85.8	83.4	79.2	95.6
		Pressure	62.5	66.0	64.4	59.4	57.1	52.8	50.4	46.1	62.6
34	DCF100TR-18HWWW	Power	93.8	99.9	97.9	93.4	90.8	86.4	84.1	70.8	96.2
		Pressure	60.7	66.9	64.8	60.3	57.8	53.4	51.1	37.8	63.2
35	DCF051DR-11DXY0	Power	96.2	95.5	92.0	86.5	85.2	81.2	80.0	68.4	90.6
		Pressure	63.6	62.8	59.3	53.8	52.5	48.6	47.3	35.7	57.9
36	DCF053DR-11DPY0	Power	94.1	94.8	93.0	88.6	86.2	81.2	80.3	68.6	91.5
		Pressure	61.4	62.1	60.3	55.9	53.5	48.5	47.6	36.0	58.8
37	DCF055DR-12DPV0	Power	93.8	94.6	93.8	88.5	85.7	80.3	79.3	78.8	91.5
		Pressure	61.1	62.0	61.1	55.8	53.0	47.6	46.6	46.2	58.8
38	DCF057DR-12DYY0	Power	96.2	94.0	92.1	87.7	86.2	82.0	81.2	70.0	91.4
		Pressure	63.6	61.3	59.4	55.0	53.5	49.4	48.5	37.3	58.7
39	DCF059DR-13DYV0	Power	96.1	93.8	93.1	87.6	85.7	81.4	80.3	79.0	91.3
		Pressure	63.3	61.0	60.3	54.8	52.9	48.6	47.5	46.2	58.5
40	DCF062DR-14DVV0	Power	95.9	93.6	94.0	87.5	85.2	80.5	79.3	81.7	91.3
		Pressure	63.1	60.8	61.2	54.7	52.4	47.7	46.5	48.9	58.5
41	DCF066DR-14FVW0	Power	94.2	95.9	94.8	89.7	86.9	81.5	80.3	78.9	92.6
		Pressure	61.4	63.1	62.0	56.9	54.1	48.7	47.5	46.1	59.8
42	DCF070DR-14FWW0	Power	91.3	97.3	95.5	91.1	88.0	82.1	81.1	68.6	93.5
		Pressure	58.5	64.5	62.7	58.3	55.2	49.3	48.3	35.8	60.7
43	DCF075TR-16GPPY	Power	94.8	96.8	94.9	90.6	87.8	82.5	81.7	69.8	93.3
		Pressure	61.8	63.8	62.0	57.6	54.9	49.5	48.8	36.9	60.3
44	DCF080TR-17GPYY	Power	96.7	96.3	94.5	90.1	87.9	83.2	82.4	70.9	93.2
		Pressure	63.6	63.3	61.4	57.0	54.9	50.2	49.3	37.8	60.2
45	DCF085TR-18GYYY	Power	98.0	95.8	93.9	89.4	88.0	83.8	82.9	71.7	93.1
		Pressure	65.0	62.7	60.8	56.4	54.9	50.8	49.9	38.7	60.1
46	DCF088TR-19HYYV	Power	97.9	95.6	94.6	89.4	87.6	83.3	82.4	79.2	93.1
		Pressure	64.7	62.5	61.4	56.2	54.5	50.2	49.2	46.1	59.9
47	DCF090TR-20HYVV	Power	97.8	95.5	95.2	89.3	87.3	82.8	81.8	81.9	93.1
		Pressure	64.6	62.3	62.0	56.2	54.1	49.7	48.6	48.7	59.9
48	DCF095TR-21HVVV	Power	97.7	95.4	95.7	89.3	87.0	82.4	81.1	83.5	93.1
		Pressure	64.4	62.1	62.5	56.1	53.7	49.1	47.8	50.2	59.9
49	DCF098TR-21HVVW	Power	96.6	97.0	96.3	90.9	88.2	83.0	81.8	81.8	94.0
		Pressure	63.3	63.8	63.1	57.6	54.9	49.7	48.5	48.6	60.7

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

DCF Noise Data EC Fans 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	95.2	98.2	96.9	92.0	89.1	83.6	82.3	79.1	94.7
		Pressure	61.9	64.9	63.6	58.8	55.8	50.3	49.1	45.8	61.5
51	DCF103TR-21HWWW	Power	93.1	99.1	97.3	92.9	89.9	84.0	82.9	70.4	95.3
		Pressure	59.8	65.9	64.1	59.7	56.6	50.8	49.6	37.2	62.1
52	DCF047DX-09DXY0	Power	96.1	94.3	90.5	80.0	80.2	73.5	72.0	66.8	86.3
		Pressure	63.5	61.7	57.9	47.4	47.7	40.9	39.5	34.2	53.7
53	DCF049DX-09DPY0	Power	93.7	93.2	91.8	81.6	81.3	73.2	72.0	66.8	87.0
		Pressure	61.2	60.7	59.2	49.1	48.7	40.6	39.4	34.3	54.5
54	DCF051DX-10DPV0	Power	93.6	93.1	93.2	81.8	81.2	73.0	71.0	78.7	88.0
		Pressure	61.1	60.6	60.7	49.2	48.6	40.4	38.4	46.2	55.4
55	DCF053DX-10DYY0	Power	95.9	91.9	90.1	81.0	81.0	74.0	73.0	68.3	86.3
		Pressure	63.3	59.4	57.6	48.5	48.4	41.5	40.5	35.8	53.8
56	DCF055DX-11DYV0	Power	95.8	91.8	92.1	81.2	80.9	73.9	72.2	78.8	87.4
		Pressure	63.2	59.1	59.4	48.5	48.2	41.2	39.6	46.2	54.7
57	DCF058DX-12DVV0	Power	95.8	91.6	93.4	81.3	80.8	73.7	71.3	81.7	88.3
		Pressure	63.1	58.9	60.8	48.6	48.1	41.0	38.6	49.0	55.6
58	DCF062DX-12FVW0	Power	94.0	94.3	94.1	82.8	82.2	73.8	71.9	78.8	88.9
		Pressure	61.3	61.6	61.5	50.1	49.6	41.1	39.2	46.1	56.2
59	DCF065DX-12FWW0	Power	90.9	96.0	94.8	83.9	83.3	73.8	72.4	66.3	89.4
		Pressure	58.3	63.3	62.1	51.2	50.6	41.1	39.7	33.6	56.7
60	DCF069TX-13GPPY	Power	94.4	95.3	94.0	83.6	83.1	74.6	73.3	67.9	89.0
		Pressure	61.6	62.5	61.2	50.8	50.3	41.8	40.5	35.1	56.2
61	DCF075TX-14GPYY	Power	96.3	94.6	93.1	83.2	82.9	75.2	74.1	69.1	88.6
		Pressure	63.5	61.8	60.3	50.4	50.1	42.4	41.3	36.3	55.8
62	DCF079TX-15GYYY	Power	97.7	93.7	91.9	82.8	82.8	75.8	74.8	70.1	88.1
		Pressure	64.7	60.7	59.0	49.9	49.8	42.9	41.9	37.1	55.2
63	DCF082TX-16HYYV	Power	97.6	93.6	93.3	82.9	82.7	75.7	74.3	79.0	88.8
		Pressure	64.7	60.6	60.4	50.0	49.8	42.8	41.4	46.1	55.9
64	DCF085TX-17HYVV	Power	97.6	93.5	94.3	83.0	82.6	75.6	73.7	81.8	89.5
		Pressure	64.5	60.4	61.3	49.9	49.6	42.5	40.7	48.7	56.4
65	DCF089TX-18HVVV	Power	97.5	93.4	95.2	83.1	82.5	75.5	73.0	83.4	90.0
		Pressure	64.5	60.3	62.2	50.0	49.5	42.4	40.0	50.4	57.0
66	DCF092TX-18HVVW	Power	96.4	95.3	95.7	84.1	83.6	75.5	73.4	81.7	90.5
		Pressure	63.4	62.3	62.6	51.1	50.5	42.5	40.4	48.7	57.4
67	DCF094TX-18HVWW	Power	95.0	96.7	96.1	85.0	84.4	75.5	73.8	78.9	90.8
		Pressure	61.9	63.7	63.1	51.9	51.3	42.5	40.8	45.9	57.8
68	DCF096TX-18HWWW	Power	92.7	97.7	96.5	85.7	85.1	75.6	74.1	68.1	91.2
		Pressure	59.7	64.7	63.5	52.6	52.0	42.5	41.1	35.0	58.1
69	DCF049DX-11DXY0	Power	96.1	94.4	90.7	80.4	80.5	74.0	72.1	66.8	86.5
		Pressure	63.4	61.7	58.0	47.7	47.8	41.3	39.4	34.2	53.8
70	DCF051DX-11DPY0	Power	93.7	93.3	91.9	81.9	81.5	73.7	72.1	66.9	87.2
		Pressure	61.1	60.7	59.2	49.2	48.8	41.0	39.4	34.2	54.6
71	DCF053DX-12DPV0	Power	93.6	93.2	93.3	82.0	81.4	73.5	71.1	78.7	88.1
		Pressure	61.0	60.5	60.6	49.3	48.7	40.8	38.4	46.1	55.5
72	DCF055DX-12DYY0	Power	95.9	92.1	90.3	81.3	81.2	74.5	73.1	68.3	86.6
		Pressure	63.2	59.4	57.6	48.7	48.6	41.8	40.4	35.7	53.9
73	DCF057DX-13DYV0	Power	95.8	91.9	92.2	81.5	81.1	74.3	72.3	78.9	87.6
		Pressure	63.0	59.1	59.4	48.7	48.3	41.5	39.5	46.1	54.8
74	DCF060DX-14DVV0	Power	95.8	91.8	93.5	81.6	81.0	74.2	71.4	81.7	88.4
		Pressure	63.0	59.0	60.7	48.8	48.2	41.4	38.6	48.9	55.6
75	DCF064DX-14FVW0	Power	94.0	94.4	94.2	83.0	82.4	74.2	72.0	78.8	89.0
		Pressure	61.2	61.6	61.4	50.2	49.6	41.4	39.2	46.0	56.2

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

DCF Noise Data 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	DCF068DX-14FWW0	Power	91.0	96.0	94.8	84.1	83.5	74.3	72.5	66.4	89.5
		Pressure	58.2	63.2	62.0	51.3	50.7	41.5	39.7	33.6	56.7
77	DCF073TX-16GPPY	Power	94.5	95.4	94.1	83.8	83.4	75.1	73.4	68.0	89.2
		Pressure	61.5	62.5	61.2	50.9	50.4	42.2	40.5	35.1	56.3
78	DCF078TX-17GPYY	Power	96.4	94.7	93.2	83.5	83.2	75.7	74.2	69.2	88.8
		Pressure	63.3	61.7	60.2	50.4	50.1	42.7	41.2	36.1	55.7
79	DCF082TX-18GYYY	Power	97.7	93.8	92.1	83.1	83.0	76.2	74.9	70.1	88.3
		Pressure	64.6	60.8	59.0	50.1	49.9	43.2	41.8	37.1	55.3
80	DCF085TX-19HYYV	Power	97.6	93.7	93.4	83.2	82.9	76.1	74.4	79.0	89.0
		Pressure	64.5	60.6	60.3	50.0	49.8	43.0	41.2	45.9	55.9
81	DCF088TX-20HYVV	Power	97.6	93.6	94.5	83.3	82.9	76.0	73.8	81.8	89.7
		Pressure	64.4	60.5	61.3	50.1	49.7	42.9	40.6	48.6	56.5
82	DCF092TX-21HVVV	Power	97.5	93.5	95.3	83.3	82.8	75.9	73.1	83.4	90.2
		Pressure	64.3	60.3	62.0	50.1	49.5	42.7	39.9	50.2	56.9
83	DCF095TX-21HVVW	Power	96.4	95.5	95.8	84.3	83.8	76.0	73.5	81.7	90.6
		Pressure	63.2	62.2	62.5	51.1	50.5	42.7	40.3	48.5	57.3
84	DCF097TX-21HVWW	Power	95.0	96.8	96.2	85.2	84.5	76.0	73.9	78.9	90.9
		Pressure	61.7	63.5	62.9	51.9	51.3	42.7	40.6	45.6	57.7
85	DCF099TX-21HWWW	Power	92.7	97.8	96.6	85.8	85.2	76.0	74.2	68.1	91.3
		Pressure	59.5	64.5	63.3	52.6	52.0	42.8	41.0	34.9	58.0
86	DCF050DX-13DXY0	Power	96.1	94.5	90.8	80.7	80.8	74.4	72.2	66.9	86.7
		Pressure	63.3	61.7	58.0	47.9	48.0	41.6	39.4	34.1	53.9
87	DCF053DX-13DPY0	Power	93.8	93.4	92.0	82.1	81.7	74.1	72.2	66.9	87.4
		Pressure	61.0	60.6	59.2	49.3	48.9	41.3	39.4	34.1	54.6
88	DCF055DX-14DPV0	Power	93.7	93.3	93.4	82.2	81.6	74.0	71.2	78.7	88.3
		Pressure	60.9	60.5	60.6	49.4	48.8	41.2	38.4	45.9	55.5
89	DCF057DX-14DYY0	Power	95.9	92.2	90.5	81.6	81.5	74.9	73.2	68.4	86.8
		Pressure	63.1	59.4	57.7	48.8	48.7	42.1	40.4	35.6	54.0
90	DCF059DX-15DYV0	Power	95.9	92.1	92.3	81.7	81.4	74.7	72.4	78.9	87.8
		Pressure	62.9	59.2	59.4	48.8	48.4	41.8	39.5	45.9	54.8
91	DCF061DX-16DVV0	Power	95.8	91.9	93.6	81.8	81.3	74.6	71.5	81.7	88.6
		Pressure	62.9	59.0	60.7	48.9	48.3	41.7	38.6	48.7	55.6
92	DCF066DX-16FVW0	Power	94.0	94.5	94.3	83.2	82.6	74.6	72.1	78.8	89.1
		Pressure	61.1	61.6	61.4	50.3	49.7	41.7	39.1	45.9	56.2
93	DCF069DX-16FWW0	Power	91.0	96.1	94.9	84.2	83.6	74.7	72.6	66.4	89.6
		Pressure	58.1	63.2	62.0	51.3	50.7	41.8	39.6	33.5	56.7
94	DCF074TX-19GPPY	Power	94.5	95.6	94.2	84.1	83.6	75.6	73.5	68.1	89.4
		Pressure	61.3	62.4	61.1	50.9	50.4	42.5	40.4	34.9	56.2
95	DCF079TX-20GPYY	Power	96.4	94.8	93.3	83.7	83.4	76.2	74.3	69.2	89.0
		Pressure	63.2	61.7	60.2	50.6	50.2	43.0	41.1	36.1	55.8
96	DCF084TX-21GYYY	Power	97.7	94.0	92.3	83.4	83.2	76.6	74.9	70.1	88.5
		Pressure	64.4	60.7	59.0	50.1	49.9	43.3	41.7	36.9	55.3
97	DCF087TX-22HYYV	Power	97.6	93.9	93.6	83.5	83.2	76.5	74.4	79.0	89.2
		Pressure	64.4	60.6	60.3	50.2	49.9	43.3	41.2	45.8	55.9

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

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	495.2	139.0	470.9	152.9	443.3	169.0	412.9	186.7
		6	509.6	140.0	484.7	154.0	456.4	170.0	425.0	187.7
		7	524.4	141.1	498.7	155.0	469.8	171.1	437.3	188.6
		8	538.9	142.1	512.8	156.1	483.2	172.1	449.7	189.6
		9	553.7	143.1	527.0	157.2	496.9	173.3	462.4	190.6
		10	568.6	144.2	541.4	158.3	510.7	174.4	475.2	191.7
99	DCC049DR-08EYY0	5	518.5	151.1	494.9	166.1	465.1	182.3	432.6	200.3
		6	533.7	152.2	509.1	167.1	478.4	183.3	445.1	201.4
		7	549.1	153.4	523.5	168.2	492.0	184.4	457.8	202.5
		8	564.7	154.6	537.9	169.3	505.7	185.5	470.7	203.6
		9	580.4	155.8	552.6	170.4	519.6	186.6	483.8	204.7
		10	596.3	157.0	567.4	171.5	533.6	187.8	497.0	205.9
100	DCC052DR-09DYV0	5	551.9	153.5	526.2	169.1	495.7	186.5	461.7	205.6
		6	568.3	154.7	541.8	170.2	510.4	187.6	475.3	206.6
		7	585.2	156.0	557.5	171.4	525.4	188.8	489.1	207.7
		8	601.8	157.2	573.4	172.5	540.6	189.9	503.1	208.8
		9	618.8	158.4	589.6	173.7	555.9	191.1	517.3	209.9
		10	636.0	159.7	605.9	174.9	571.2	192.2	531.8	211.0
101	DCC056DR-10DVV0	5	581.3	155.7	553.8	171.9	523.0	190.4	487.6	210.5
		6	598.3	156.8	570.6	173.0	539.2	191.6	502.2	211.5
		7	616.0	158.0	587.8	174.3	555.6	192.8	517.1	212.5
		8	634.0	159.3	605.1	175.5	572.3	194.1	532.3	213.6
		9	652.2	160.5	622.7	176.8	588.6	195.2	547.6	214.6
		10	670.6	161.8	640.5	178.1	605.2	196.3	563.2	215.7
102	DCC058DR-10DVW0	5	609.2	168.0	581.2	185.4	547.4	204.6	509.5	225.8
		6	627.2	169.3	598.5	186.6	563.7	205.8	524.5	226.9
		7	645.5	170.6	615.9	187.9	580.2	207.1	539.7	228.1
		8	664.0	172.0	633.5	189.1	596.9	208.3	555.2	229.2
		9	682.7	173.3	651.2	190.4	613.7	209.6	570.9	230.4
		10	701.5	174.7	669.2	191.8	630.5	210.8	586.7	231.7

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
103	DCC061DR-10DWW0	5	649.3	181.3	619.4	199.7	581.1	219.5	539.5	241.6
		6	668.4	182.7	637.2	201.0	597.8	220.8	555.1	242.9
		7	687.7	184.2	655.2	202.3	614.7	222.1	570.9	244.3
		8	707.2	185.7	673.4	203.6	631.8	223.4	587.0	245.6
		9	727.0	187.2	691.7	205.0	649.2	224.8	603.3	247.0
		10	747.0	188.7	710.2	206.4	666.7	226.2	619.8	248.4
104	DCC065TR-10GPPY	5	693.8	199.6	657.8	218.7	616.1	240.2	571.2	264.2
		6	713.9	201.1	676.6	220.2	633.8	241.7	587.2	265.7
		7	734.2	202.6	695.7	221.7	651.7	243.2	604.4	267.2
		8	754.8	204.2	715.0	223.2	669.8	244.8	621.4	268.8
		9	775.5	205.8	734.5	224.8	688.2	246.4	638.6	270.4
		10	796.5	207.4	754.2	226.4	706.8	248.0	656.0	272.0
105	DCC069TR-11GPYY	5	732.8	212.9	697.3	233.7	654.2	256.6	607.6	282.1
		6	754.3	214.5	717.3	235.2	673.0	258.1	625.1	283.6
		7	776.0	216.1	737.6	236.8	692.1	259.7	643.0	285.2
		8	798.0	217.8	758.1	238.3	711.5	261.3	661.1	286.8
		9	820.2	219.5	778.9	239.9	731.0	262.9	679.5	288.5
		10	842.6	221.2	799.8	241.6	750.9	264.6	698.2	290.1
106	DCC074TR-12GYYY	5	792.5	227.8	754.8	250.1	708.1	274.2	657.7	301.2
		6	816.2	229.6	776.7	251.7	728.7	275.9	676.9	302.8
		7	840.3	231.4	798.9	253.3	749.5	277.6	696.3	304.5
		8	864.6	233.3	821.4	255.0	770.7	279.3	716.1	306.2
		9	889.4	235.2	844.1	256.7	792.1	281.0	736.3	308.0
		10	914.4	237.1	867.1	258.5	813.9	282.8	756.7	309.7
107	DCC077TR-13GYYV	5	813.6	229.3	775.2	252.3	729.1	277.7	678.3	305.8
		6	838.0	231.1	798.1	254.0	750.8	279.4	698.3	307.4
		7	862.9	233.0	821.4	255.6	772.7	281.1	718.7	309.0
		8	887.8	234.8	844.9	257.4	795.1	282.8	739.3	310.6
		9	913.2	236.6	868.7	259.1	817.6	284.6	760.3	312.3
		10	938.9	238.6	892.8	260.9	840.2	286.3	781.6	314.0

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

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C)							
			25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
108	DCC080TR-14GYVV	5	834.6	230.8	795.7	254.5	750.1	281.2	698.9	310.4
		6	859.7	232.6	819.6	256.2	772.9	282.9	719.8	311.9
		7	885.6	234.5	843.9	258.0	796.0	284.6	741.0	313.5
		8	911.0	236.2	868.4	259.7	819.4	286.4	762.5	315.1
		9	937.1	238.1	893.3	261.6	843.1	288.2	784.4	316.7
		10	963.5	240.0	918.5	263.4	866.6	289.9	806.5	318.4
109	DCC083TR-15GVVV	5	855.6	232.4	816.2	256.8	771.1	284.6	719.6	315.1
		6	881.4	234.1	841.1	258.5	795.0	286.4	741.3	316.5
		7	908.3	236.0	866.4	260.3	819.2	288.2	763.3	318.0
		8	934.2	237.7	892.0	262.1	843.8	290.0	785.7	319.5
		9	961.0	239.6	917.9	264.0	868.6	291.8	808.4	321.0
		10	988.1	241.5	944.2	265.9	893.0	293.4	831.4	322.7
110	DCC086TR-15GVVW	5	897.0	245.8	854.6	271.1	805.1	299.5	749.3	330.8
		6	923.6	247.5	880.6	273.0	829.7	301.4	771.8	332.4
		7	951.1	249.5	906.8	274.8	854.6	303.2	794.6	334.1
		8	979.0	251.5	933.4	276.7	879.9	305.2	817.7	335.8
		9	1007.3	253.5	960.3	278.7	905.1	307.0	841.2	337.5
		10	1035.8	255.6	987.5	280.7	930.4	308.8	865.1	339.3
111	DCC088TR-15GVWW	5	928.9	258.3	885.6	284.8	832.8	313.9	774.1	346.2
		6	956.4	260.3	912.1	286.8	857.5	315.8	797.0	348.0
		7	984.6	262.3	938.6	288.7	882.6	317.7	820.2	349.8
		8	1013.1	264.4	965.4	290.6	908.0	319.7	843.7	351.6
		9	1041.9	266.6	992.6	292.6	933.5	321.6	867.6	353.5
		10	1071.1	268.8	1020.0	294.6	959.3	323.6	891.8	355.5
112	DCC091TR-15GWWW	5	960.9	270.9	916.5	298.6	860.4	328.3	798.9	361.6
		6	989.3	273.1	943.6	300.7	885.3	330.3	822.2	363.6
		7	1018.0	275.2	970.4	302.6	910.6	332.2	845.8	365.5
		8	1047.1	277.4	997.5	304.5	936.1	334.2	869.7	367.5
		9	1076.6	279.7	1024.9	306.5	962.0	336.2	894.0	369.6
		10	1106.3	282.0	1052.5	308.6	988.2	338.3	918.6	371.7

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
113	DCC049DR-10EPV0	5	504.6	132.7	481.1	146.5	454.4	162.3	425.5	180.2
		6	519.5	133.6	495.5	147.4	468.6	163.3	438.7	181.2
		7	534.6	134.6	510.2	148.4	482.4	164.2	452.1	182.2
		8	549.8	135.5	525.0	149.4	496.7	165.2	465.5	183.1
		9	564.9	136.5	539.9	150.4	511.1	166.2	479.1	184.1
		10	580.4	137.5	555.1	151.4	525.8	167.3	492.9	185.0
114	DCC051DR-10EYY0	5	527.5	144.2	503.2	158.8	476.4	175.7	446.8	194.4
		6	543.0	145.3	518.2	159.9	490.8	176.7	460.5	195.5
		7	558.6	146.3	533.4	161.0	505.4	177.8	474.4	196.6
		8	574.5	147.4	548.8	162.1	520.2	178.9	488.5	197.7
		9	589.6	148.3	564.4	163.2	535.2	180.1	502.9	198.8
		10	606.6	149.6	580.1	164.3	550.4	181.2	517.5	200.0
115	DCC054DR-11DYV0	5	560.8	147.4	534.6	162.6	505.1	179.9	473.1	199.5
		6	577.5	148.5	550.8	163.6	520.8	181.1	487.7	200.6
		7	594.4	149.5	567.1	164.7	536.3	182.1	502.6	201.7
		8	611.5	150.6	583.7	165.8	552.2	183.2	517.8	202.8
		9	628.4	151.7	600.5	167.0	568.3	184.4	533.3	204.0
		10	646.3	152.9	617.5	168.1	584.7	185.5	548.7	205.0
116	DCC058DR-12DVV0	5	589.5	150.2	561.6	165.9	529.7	183.7	495.5	204.1
		6	607.3	151.3	578.7	166.9	546.1	184.8	511.1	205.2
		7	625.3	152.4	596.1	168.0	562.8	185.9	526.9	206.4
		8	643.4	153.5	613.7	169.2	579.8	187.1	543.0	207.5
		9	661.9	154.6	631.6	170.3	597.0	188.2	559.4	208.7
		10	680.6	155.8	648.8	171.3	614.4	189.4	576.1	209.8
117	DCC060DR-12DVW0	5	618.2	161.9	589.1	178.7	556.5	197.9	520.9	219.7
		6	636.5	163.1	606.8	179.9	573.4	199.1	537.0	220.9
		7	655.0	164.3	624.8	181.1	590.9	200.4	553.4	222.2
		8	673.7	165.5	642.9	182.3	608.1	201.6	570.1	223.4
		9	692.2	166.6	660.9	183.4	625.9	202.9	586.8	224.6
		10	711.4	167.9	679.9	184.8	643.8	204.2	603.6	225.8

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

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C)							
			25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
118	DCC063DR-12DWW0	5	658.9	174.5	627.7	192.3	593.2	212.9	555.4	236.0
		6	678.2	175.8	646.4	193.6	611.1	214.2	572.4	237.4
		7	697.9	177.1	665.4	195.0	629.3	215.6	589.7	238.8
		8	716.8	178.3	684.6	196.4	647.7	217.0	606.9	240.0
		9	737.7	179.9	704.1	197.8	666.4	218.4	624.1	241.2
		10	757.9	181.3	723.7	199.2	685.4	219.9	641.5	242.4
119	DCC068TR-13GPPY	5	709.1	188.8	675.3	208.0	638.2	230.1	597.4	254.8
		6	729.5	190.1	695.7	209.4	657.6	231.5	615.8	256.3
		7	751.6	191.7	716.3	210.9	677.3	233.0	634.5	257.8
		8	773.3	193.2	737.3	212.4	697.4	234.5	653.2	259.1
		9	794.6	194.6	758.5	213.9	717.8	236.1	672.1	260.5
		10	816.5	196.0	780.0	215.5	738.4	237.7	691.3	261.9
120	DCC072TR-14GPYY	5	747.1	202.4	712.0	222.9	673.5	246.6	631.0	273.0
		6	769.2	203.9	733.8	224.5	694.0	248.1	650.4	274.5
		7	791.7	205.4	755.2	226.0	714.8	249.7	670.2	276.1
		8	814.4	206.9	777.2	227.6	735.9	251.3	690.2	277.6
		9	836.3	208.2	799.5	229.2	757.3	252.9	710.4	279.2
		10	860.3	210.0	822.1	230.8	779.0	254.5	731.0	280.7
121	DCC077TR-15GYYY	5	806.8	217.5	769.1	239.5	726.6	264.4	680.5	292.5
		6	831.0	219.1	791.8	241.0	748.8	266.1	701.6	294.2
		7	855.4	220.7	815.5	242.6	771.4	267.8	723.0	295.9
		8	880.3	222.4	839.5	244.4	794.4	269.5	744.9	297.6
		9	904.3	223.8	863.9	246.1	817.8	271.3	767.2	299.4
		10	930.9	225.8	888.6	247.9	841.5	273.1	789.2	300.9
122	DCC080TR-16GYYV	5	827.3	219.7	788.6	242.3	745.0	267.9	697.2	296.8
		6	852.1	221.3	812.2	243.8	767.8	269.6	718.9	298.4
		7	877.3	223.0	836.5	245.5	790.9	271.2	741.0	300.1
		8	902.8	224.6	861.2	247.1	814.5	272.9	763.6	301.8
		9	927.9	226.2	886.2	248.9	838.6	274.6	786.5	303.6
		10	954.8	228.1	911.6	250.6	862.9	276.4	809.4	305.2
123	DCC082TR-17GYVV	5	847.8	222.0	808.1	245.1	763.3	271.4	713.9	301.0
		6	873.3	223.6	832.6	246.6	786.8	273.0	736.3	302.7
		7	899.2	225.2	857.6	248.3	810.3	274.5	759.0	304.4
		8	925.4	226.9	882.9	249.9	834.6	276.2	782.2	306.0
		9	951.5	228.5	908.6	251.6	859.3	278.0	805.8	307.8
		10	978.6	230.3	934.6	253.4	884.4	279.7	829.5	309.4

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
124	DCC085TR-18GVVV	5	868.4	224.3	827.7	247.9	781.7	274.9	730.6	305.3
		6	894.5	225.9	852.9	249.5	805.8	276.5	753.6	306.9
		7	921.1	227.5	878.6	251.1	829.7	277.9	777.0	308.6
		8	947.9	229.1	904.6	252.7	854.7	279.6	800.8	310.3
		9	975.1	230.8	930.9	254.4	880.1	281.3	825.0	312.0
		10	1002.5	232.5	957.5	256.1	905.8	283.0	849.6	313.7
125	DCC088TR-18GVVW	5	910.0	236.9	866.5	261.5	817.6	289.6	764.7	321.5
		6	937.5	238.6	893.1	263.2	843.0	291.3	788.7	323.3
		7	965.4	240.3	920.1	265.0	869.2	293.3	813.2	325.1
		8	993.7	242.1	947.4	266.8	895.0	295.0	838.1	327.0
		9	1022.4	244.0	975.1	268.6	921.6	296.8	863.1	328.7
		10	1051.0	245.8	1003.1	270.5	948.6	298.8	888.6	330.5
126	DCC091TR-18GVWW	5	942.5	248.8	897.6	274.5	847.7	304.0	793.3	337.3
		6	970.6	250.7	924.8	276.3	873.7	305.9	817.9	339.2
		7	999.2	252.5	952.5	278.2	900.4	307.9	843.0	341.2
		8	1028.1	254.4	980.5	280.2	927.0	309.8	868.5	343.1
		9	1057.4	256.4	1008.8	282.1	954.2	311.7	893.9	344.9
		10	1086.2	258.2	1037.5	284.2	981.8	313.8	919.6	346.6
127	DCC094TR-18GWWW	5	975.0	260.8	928.7	287.5	877.9	318.4	821.8	353.2
		6	1003.8	262.7	956.6	289.5	904.5	320.4	847.1	355.2
		7	1033.0	264.7	984.9	291.5	931.5	322.5	872.8	357.2
		8	1062.5	266.7	1013.5	293.6	959.0	324.6	899.0	359.3
		9	1092.4	268.8	1042.5	295.7	986.8	326.7	924.6	361.0
		10	1121.4	270.6	1071.8	297.8	1015.1	328.8	950.5	362.8
128	DCC050DR-12EPV0	5	511.2	128.2	487.6	141.7	461.0	157.2	431.2	174.5
		6	526.4	129.1	502.3	142.6	475.1	158.0	444.8	175.5
		7	541.7	129.9	517.2	143.4	489.3	158.9	458.4	176.4
		8	557.2	130.8	532.2	144.3	503.8	159.8	472.0	177.2
		9	572.8	131.8	547.4	145.2	518.4	160.7	486.0	178.1
		10	588.4	132.7	562.7	146.2	533.3	161.6	500.3	179.1
129	DCC052DR-12EYY0	5	534.3	139.5	510.2	153.8	482.9	170.1	452.7	188.4
		6	550.0	140.4	525.4	154.8	497.5	171.1	465.9	189.1
		7	565.9	141.3	540.8	155.7	512.2	172.1	480.0	190.1
		8	582.0	142.3	556.4	156.7	527.2	173.0	494.9	191.4
		9	598.2	143.3	572.2	157.7	542.4	174.1	509.0	192.2
		10	614.5	144.3	588.1	158.7	557.8	175.1	523.8	193.3

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

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C)							
			25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
130	DCC056DR-13DYV0	5	567.6	142.9	541.4	157.8	511.7	174.7	478.8	193.7
		6	584.5	143.9	557.7	158.8	527.4	175.7	493.6	194.7
		7	601.7	144.9	574.3	159.7	543.3	176.7	509.0	195.8
		8	619.0	145.9	591.1	160.7	559.4	177.7	524.1	196.8
		9	636.6	146.9	608.1	161.8	575.3	178.6	539.7	197.8
		10	654.3	148.0	625.3	162.8	592.3	179.8	555.6	198.9
131	DCC059DR-14DVV0	5	595.9	146.0	567.9	161.4	536.4	179.0	501.5	198.9
		6	613.9	147.0	585.3	162.4	553.0	180.0	517.2	199.9
		7	632.2	148.1	603.0	163.4	569.8	181.0	533.2	200.9
		8	650.7	149.1	620.8	164.4	587.0	182.0	549.5	201.9
		9	669.4	150.2	638.9	165.5	604.4	183.1	566.1	203.0
		10	688.3	151.3	657.2	166.6	622.0	184.1	582.9	204.1
132	DCC061DR-14DVW0	5	625.0	157.3	595.9	173.8	563.2	192.6	526.8	213.8
		6	643.6	158.4	613.9	174.9	580.4	193.7	543.1	214.9
		7	662.4	159.5	632.1	176.0	597.3	194.7	559.6	216.1
		8	681.4	160.6	650.5	177.1	615.4	196.0	576.5	217.2
		9	700.6	161.8	669.1	178.2	633.0	197.0	593.6	218.4
		10	719.9	163.0	687.9	179.4	651.2	198.2	611.0	219.6
133	DCC065DR-14DWW0	5	666.6	169.4	635.3	186.9	599.3	206.6	561.2	229.4
		6	686.2	170.6	654.3	188.1	618.3	208.2	578.4	230.7
		7	706.1	171.8	673.5	189.4	636.7	209.4	595.9	232.0
		8	726.2	173.1	693.0	190.6	654.6	210.5	613.7	233.3
		9	746.5	174.4	712.6	191.9	673.6	211.8	631.8	234.6
		10	767.0	175.7	732.5	193.2	692.8	213.1	650.2	236.0
134	DCC070TR-16GPPY	5	720.2	181.6	686.4	200.3	648.3	221.7	606.6	245.7
		6	741.7	182.9	707.0	201.6	668.1	223.0	624.7	246.8
		7	763.5	184.2	728.1	202.9	688.2	224.3	644.0	248.2
		8	785.6	185.5	749.4	204.2	708.6	225.6	663.0	249.4
		9	807.9	186.9	770.9	205.6	729.3	227.0	682.8	250.8
		10	830.4	188.3	792.8	207.0	749.8	228.3	702.9	252.3
135	DCC074TR-17GPYY	5	757.7	195.2	722.7	215.3	683.4	238.2	639.7	263.8
		6	780.2	196.5	744.5	216.7	704.1	239.6	659.1	265.1
		7	803.1	197.9	766.5	218.0	725.3	241.0	679.2	266.5
		8	826.1	199.3	788.9	219.4	746.7	242.4	699.9	268.1
		9	849.6	200.7	811.5	220.9	768.5	243.8	720.2	269.4
		10	873.1	202.2	834.4	222.3	790.5	245.3	741.5	271.0

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

DCC Performance Data EC Fans

			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	DCC079TR-18GYYY	5	817.6	210.2	779.5	231.6	736.6	256.0	688.7	283.0
		6	842.2	211.6	803.2	233.1	759.2	257.5	710.1	284.6
		7	867.2	213.1	827.2	234.6	782.2	259.1	732.7	286.4
		8	892.4	214.7	851.6	236.2	805.5	260.6	754.2	287.7
		9	918.1	216.2	876.3	237.7	827.9	261.8	776.8	289.4
		10	944.0	217.8	901.3	239.3	853.3	263.8	799.8	291.0
137	DCC082TR-19GYYV	5	837.7	212.8	798.6	234.9	754.6	259.9	705.6	287.9
		6	862.9	214.3	822.9	236.3	777.8	261.4	727.6	289.4
		7	888.5	215.8	847.6	237.8	801.5	262.9	750.6	291.1
		8	914.4	217.3	872.7	239.3	825.5	264.4	772.9	292.5
		9	940.7	218.9	898.0	240.9	848.9	265.7	796.1	294.1
		10	967.2	220.5	923.7	242.5	874.5	267.6	819.8	295.7
138	DCC084TR-20GYVV	5	857.7	215.5	817.6	238.1	772.6	263.8	722.5	292.7
		6	883.6	217.0	842.7	239.5	796.5	265.3	745.1	294.2
		7	909.9	218.5	868.0	241.0	820.8	266.8	768.4	295.8
		8	936.4	220.0	893.7	242.5	845.4	268.3	791.6	297.3
		9	963.2	221.5	919.7	244.0	869.9	269.7	815.5	298.8
		10	990.4	223.1	946.1	245.6	895.7	271.4	839.7	300.4
139	DCC087TR-21GVVV	5	877.7	218.2	836.7	241.2	790.6	267.7	739.4	297.6
		6	904.3	219.6	862.4	242.7	815.1	269.1	762.6	299.0
		7	931.2	221.1	888.4	244.2	840.1	270.6	786.3	300.5
		8	958.4	222.6	914.8	245.7	865.3	272.1	810.3	302.0
		9	985.8	224.2	941.5	247.2	890.9	273.6	834.8	303.5
		10	1013.6	225.8	968.4	248.8	917.0	275.2	859.7	305.1
140	DCC090TR-21GVVW	5	920.2	230.2	876.6	254.3	827.6	281.9	773.5	313.1
		6	948.1	231.8	903.5	255.9	853.3	283.5	797.8	314.7
		7	976.4	233.4	930.8	257.5	879.1	285.0	822.6	316.3
		8	1005.1	235.1	958.5	259.2	905.9	286.8	847.8	318.0
		9	1034.2	236.8	986.7	260.9	932.9	288.5	873.5	319.7
		10	1063.6	238.6	1015.1	262.6	959.9	290.2	899.6	321.5

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

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C)							
			25°C		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	953.2	241.7	908.3	266.9	857.9	295.8	801.9	328.2
		6	981.8	243.4	935.9	268.6	884.2	297.5	826.9	329.9
		7	1010.7	245.1	963.8	270.3	910.1	298.9	852.3	331.7
		8	1040.1	246.9	992.2	272.1	938.1	301.0	878.2	333.5
		9	1069.7	248.7	1020.9	273.9	965.6	302.8	904.5	335.4
		10	1099.7	250.6	1049.9	275.8	993.0	304.5	931.2	337.2
142	DCC096TR-21GWWW	5	986.2	253.2	940.0	279.5	888.1	309.6	830.4	343.3
		6	1015.5	255.0	968.3	281.3	915.0	311.4	856.0	345.2
		7	1045.0	256.8	996.9	283.2	941.2	312.9	882.0	347.1
		8	1075.0	258.7	1025.9	285.0	970.2	315.2	908.5	349.0
		9	1105.2	260.6	1055.2	286.9	998.4	317.1	935.5	351.0
		10	1135.8	262.6	1084.8	288.9	1026.0	318.8	962.8	353.0
143	DCC048DX-10EPV0	5	497.0	132.3	469.9	146.2	440.1	162.0	407.7	179.8
		6	511.1	133.3	483.4	147.2	452.7	163.0	419.5	180.8
		7	525.5	134.3	497.0	148.2	465.6	164.1	431.5	181.9
		8	539.9	135.3	510.7	149.3	478.5	165.2	443.6	183.0
		9	554.4	136.3	524.6	150.3	491.7	166.3	455.9	184.1
		10	569.0	137.4	538.6	151.4	504.9	167.4	468.3	185.3
144	DCC049DX-10EYY0	5	518.1	144.0	490.1	158.8	459.3	175.6	424.7	194.5
		6	532.8	145.1	504.0	160.0	472.3	176.7	438.1	195.3
		7	547.5	146.2	518.0	161.1	485.5	177.9	450.4	196.6
		8	562.4	147.3	532.2	162.3	498.9	179.2	462.9	197.8
		9	577.4	148.5	546.5	163.5	512.4	180.4	475.5	199.1
		10	592.6	149.7	560.9	164.7	526.0	181.7	488.3	200.4
145	DCC053DX-11DYV0	5	552.4	147.0	522.2	162.2	489.1	179.6	453.3	198.9
		6	568.2	148.1	537.2	163.4	503.2	180.7	466.4	200.1
		7	584.2	149.2	552.4	164.5	517.5	181.9	479.7	201.3
		8	600.4	150.4	567.8	165.7	532.0	183.1	493.2	202.5
		9	616.7	151.5	583.3	166.9	546.6	184.3	506.9	203.7
		10	633.2	152.7	599.0	168.1	561.4	185.6	520.8	205.0
146	DCC056DX-12DVV0	5	582.4	149.6	550.5	165.2	515.5	183.1	477.5	203.2
		6	599.4	150.7	566.6	166.3	530.6	184.2	491.6	204.4
		7	616.6	151.8	583.0	167.4	546.0	185.4	505.9	205.5
		8	634.0	152.9	599.5	168.6	561.5	186.6	520.4	206.7
		9	651.5	154.1	616.2	169.8	577.3	187.8	535.1	208.0
		10	669.2	155.3	633.0	171.1	593.2	189.0	550.0	209.2
147	DCC058DX-12DVW0	5	608.3	161.5	574.8	178.4	538.0	197.7	498.2	219.3
		6	625.7	162.7	591.3	179.7	553.4	199.0	512.5	220.6
		7	643.2	164.0	607.9	180.9	569.1	200.3	527.1	221.9
		8	660.9	165.3	624.8	182.3	584.9	201.6	541.9	223.3
		9	678.8	166.6	641.7	183.6	601.0	203.0	556.8	224.7
		10	696.8	167.9	658.9	185.0	617.2	204.4	572.0	226.2

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
148	DCC061DX-12DWW0	5	645.3	174.3	608.9	192.4	569.2	213.0	526.4	236.1
		6	663.4	175.7	626.0	193.8	585.2	214.5	541.3	237.6
		7	681.8	177.1	643.4	195.3	601.4	216.0	556.3	239.1
		8	700.2	178.5	660.9	196.8	617.9	217.5	571.6	240.7
		9	718.9	180.0	678.6	198.3	634.5	219.1	587.1	242.3
		10	737.7	181.5	696.4	199.9	651.2	220.7	602.7	243.9
149	DCC066TX-13GPPY	5	694.6	188.6	655.4	208.0	612.7	230.1	566.8	254.7
		6	714.4	190.1	674.1	209.6	630.1	231.7	582.9	256.3
		7	734.3	191.6	692.9	211.1	647.8	233.3	599.3	258.0
		8	754.5	193.2	712.0	212.8	665.6	234.9	615.9	259.6
		9	774.8	194.8	731.2	214.4	683.7	236.6	632.1	261.5
		10	795.4	196.4	750.7	216.1	702.0	238.4	649.7	263.1
150	DCC070TX-14GPYY	5	733.0	202.1	692.5	222.9	648.2	246.5	600.5	272.7
		6	753.8	203.6	712.2	224.5	666.7	248.2	617.6	274.4
		7	774.9	205.2	732.2	226.2	685.4	249.9	634.9	276.1
		8	796.2	206.9	752.3	227.9	704.3	251.6	652.6	277.9
		9	817.6	208.5	772.7	229.6	723.5	253.4	670.4	279.7
		10	839.2	210.2	793.2	231.4	742.8	255.2	688.5	281.6
151	DCC075TX-15GYYY	5	791.1	217.1	747.0	239.2	699.0	264.3	647.4	292.0
		6	813.8	218.8	768.4	241.0	719.0	266.1	665.9	293.9
		7	836.8	220.5	790.1	242.8	739.3	267.9	684.7	295.7
		8	860.0	222.3	812.1	244.6	759.8	269.8	703.8	297.6
		9	883.4	224.1	834.2	246.5	778.3	272.3	723.2	299.6
		10	907.1	226.0	856.6	248.4	799.1	274.3	742.8	301.6
152	DCC077TX-16GYYV	5	813.6	219.2	768.7	241.8	719.6	267.4	666.6	296.0
		6	837.1	220.9	790.9	243.5	740.4	269.2	685.9	297.8
		7	860.9	222.6	813.4	245.2	761.5	271.0	705.5	299.6
		8	884.9	224.3	836.2	247.0	782.9	272.8	725.4	301.5
		9	909.1	226.1	859.2	248.9	802.9	275.1	745.6	303.4
		10	933.6	227.9	882.5	250.8	824.6	277.0	766.0	305.3
153	DCC080TX-17GYVV	5	836.1	221.3	790.3	244.4	740.1	270.6	685.8	300.0
		6	860.4	222.9	813.4	246.0	761.8	272.3	705.9	301.7
		7	885.0	224.6	836.7	247.7	783.7	274.0	726.3	303.5
		8	909.8	226.3	860.3	249.5	805.9	275.8	747.0	305.3
		9	934.9	228.1	884.2	251.3	827.6	277.8	768.0	307.2
		10	960.2	229.9	908.3	253.1	850.2	279.8	789.2	309.1
154	DCC083TX-18GVVV	5	858.6	223.5	812.0	246.9	760.7	273.8	705.1	304.0
		6	883.7	225.0	835.9	248.5	783.2	275.4	725.9	305.6
		7	909.1	226.7	860.0	250.2	805.9	277.1	747.1	307.4
		8	934.8	228.3	884.5	251.9	828.9	278.8	768.6	309.1
		9	960.7	230.0	909.1	253.6	852.2	280.6	790.4	310.9
		10	986.8	231.8	934.1	255.4	875.8	282.5	812.4	312.8

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
155	DCC086TX-18GVVW	5	896.5	236.1	846.6	260.8	792.0	289.0	733.1	320.6
		6	922.6	237.9	871.3	262.6	815.2	290.8	754.5	322.5
		7	949.1	239.7	896.4	264.5	838.6	292.7	776.3	324.4
		8	975.8	241.6	921.7	266.4	862.5	294.7	798.5	326.4
		9	1002.8	243.5	947.4	268.3	886.6	296.7	820.9	328.4
		10	1029.7	245.6	973.3	270.3	910.9	298.7	843.7	330.5
156	DCC088TX-18GVWW	5	926.0	248.3	874.2	274.2	817.5	303.8	756.5	336.9
		6	952.6	250.2	899.3	276.2	841.1	305.8	778.3	338.9
		7	979.5	252.2	924.8	278.2	864.9	307.8	800.4	341.0
		8	1006.6	254.2	950.5	280.3	889.1	310.0	822.8	343.2
		9	1034.1	256.2	976.5	282.4	913.5	312.1	845.6	345.4
		10	1060.8	258.5	1002.8	284.5	938.2	314.4	868.7	347.7
157	DCC091TX-18GWWW	5	955.5	260.5	901.8	287.6	843.1	318.6	779.9	353.1
		6	982.6	262.5	927.3	289.8	867.0	320.7	802.0	355.4
		7	1009.9	264.6	953.2	291.9	891.2	323.0	824.4	357.7
		8	1037.5	266.8	979.3	294.1	915.7	325.3	847.2	360.0
		9	1065.3	269.0	1005.7	296.4	940.5	327.6	870.3	362.4
		10	1092.0	271.5	1032.3	298.7	965.5	330.0	893.6	364.8
158	DCC049DX-12EPV0	5	509.2	127.9	482.9	141.1	453.9	156.2	422.2	173.4
		6	524.0	128.7	497.1	141.9	467.3	157.1	434.7	174.3
		7	538.9	129.5	511.4	142.8	480.8	158.0	447.4	175.1
		8	553.9	130.4	525.9	143.6	494.5	158.8	460.3	176.1
		9	569.1	131.3	540.4	144.5	508.4	159.8	473.4	177.0
		10	584.3	132.2	555.1	145.5	522.4	160.7	486.6	177.9
159	DCC051DX-12EYY0	5	530.9	139.0	503.8	153.1	473.9	169.2	441.3	187.1
		6	546.2	139.9	518.4	154.0	487.6	170.1	453.4	188.3
		7	561.6	140.8	533.1	155.0	501.6	171.1	467.2	189.2
		8	577.1	141.8	548.0	156.0	515.7	172.1	480.4	190.2
		9	592.8	142.7	563.0	157.0	530.0	173.2	493.9	191.3
		10	608.5	143.7	578.2	158.0	544.4	174.2	507.5	192.3
160	DCC054DX-13DYV0	5	564.7	142.5	535.5	157.0	503.1	173.7	467.9	192.5
		6	581.2	143.4	551.2	158.0	517.9	174.7	481.8	193.5
		7	597.9	144.4	567.1	159.0	533.0	175.7	495.9	194.5
		8	614.7	145.4	583.1	160.0	548.2	176.7	510.1	195.5
		9	631.7	146.4	599.4	161.0	563.6	177.7	524.6	196.6
		10	648.8	147.4	615.8	162.1	579.2	178.8	539.3	197.7
161	DCC057DX-14DVV0	5	594.0	145.7	562.9	160.6	528.5	177.9	491.2	197.5
		6	611.5	146.6	579.6	161.6	544.4	178.9	506.0	198.4
		7	629.3	147.6	596.6	162.6	560.4	179.9	521.0	199.4
		8	647.3	148.6	613.8	163.6	576.7	180.9	536.2	200.5
		9	665.5	149.6	631.2	164.6	593.1	181.9	551.7	201.5
		10	683.8	150.7	648.7	165.7	609.8	183.0	567.4	202.6

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

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C)							
			25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
162	DCC060DX-14DVW0	5	621.1	156.8	588.5	173.0	552.4	191.6	513.3	212.5
		6	639.1	157.9	605.6	174.1	568.6	192.7	528.4	213.7
		7	657.3	159.0	623.0	175.2	585.1	193.8	543.8	214.8
		8	675.7	160.1	640.6	176.3	601.7	194.9	558.7	216.1
		9	694.2	161.2	658.3	177.5	618.5	196.1	575.1	217.2
		10	712.8	162.4	676.2	178.7	635.5	197.3	591.1	218.4
163	DCC063DX-14DWW0	5	660.0	168.7	624.6	186.0	585.7	205.9	543.6	228.3
		6	678.9	169.9	642.6	187.3	602.6	207.2	559.3	229.5
		7	698.0	171.1	660.7	188.5	619.7	208.4	575.3	230.9
		8	717.3	172.4	679.1	189.8	637.0	209.8	591.4	232.2
		9	736.7	173.7	697.6	191.1	654.5	211.1	607.8	233.6
		10	756.3	175.0	716.3	192.5	672.2	212.5	624.4	235.0
164	DCC068TX-16GPPY	5	715.5	180.9	677.6	199.3	636.0	220.3	591.0	244.0
		6	736.3	182.2	697.4	200.6	654.6	221.6	608.3	245.3
		7	757.4	183.4	717.4	201.9	673.5	222.9	625.9	246.7
		8	778.7	184.8	737.7	203.2	692.6	224.3	643.8	248.0
		9	800.2	186.1	758.2	204.6	712.0	225.7	662.0	249.4
		10	821.9	187.5	778.9	206.0	731.6	227.1	680.4	250.9
165	DCC072TX-17GPYY	5	752.9	194.5	713.7	214.3	670.6	236.8	623.8	262.2
		6	774.7	195.8	734.5	215.6	690.2	238.2	642.1	263.6
		7	796.8	197.1	755.6	217.0	710.1	239.6	660.7	265.0
		8	819.2	198.5	776.9	218.4	730.2	241.1	679.5	266.5
		9	841.7	199.9	798.5	219.8	750.6	242.5	698.7	268.0
		10	864.4	201.4	820.2	221.3	771.3	244.0	718.1	269.5
166	DCC077TX-18GYYY	5	811.7	209.4	768.9	230.5	721.9	254.5	671.2	281.4
		6	835.4	210.8	791.4	232.0	743.2	256.0	691.0	283.0
		7	859.5	212.3	814.3	233.5	764.7	257.6	711.0	284.5
		8	883.8	213.8	837.4	235.0	786.5	259.2	731.4	286.1
		9	908.4	215.3	860.9	236.6	808.6	260.8	752.1	287.8
		10	933.3	216.9	884.6	238.2	831.0	262.4	773.1	289.4
167	DCC080TX-19GYYV	5	832.9	212.1	789.2	233.7	741.2	258.4	689.1	286.1
		6	857.3	213.5	812.5	235.2	763.1	259.9	709.5	287.6
		7	882.1	215.0	836.1	236.6	785.4	261.4	730.3	289.1
		8	907.2	216.5	860.0	238.2	807.9	262.9	751.4	290.7
		9	932.5	218.0	884.2	239.7	830.8	264.5	772.9	292.3
		10	958.1	219.6	908.6	241.3	854.0	266.1	794.6	294.0
168	DCC082TX-20GYVV	5	854.0	214.9	809.5	236.9	760.4	262.2	707.0	290.8
		6	879.2	216.3	833.5	238.3	783.1	263.7	728.1	292.2
		7	904.7	217.7	857.9	239.8	806.1	265.2	749.6	293.7
		8	930.5	219.2	882.5	241.3	829.4	266.7	771.5	295.3
		9	956.6	220.7	907.5	242.8	853.0	268.2	793.6	296.9
		10	982.9	222.3	932.6	244.4	876.9	269.8	816.1	298.5

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

DCC Performance Data EC Fans

	Model	Supply Temp °C	Ambient (°C)							
			25°C		30°C		35°C		40°C	
			Output	Input	Output	Input	Output	Input	Output	Input
			kW	kW	kW	kW	kW	kW	kW	kW
169	DCC085TX-21GVVV	5	875.2	217.7	829.8	240.2	779.6	266.1	724.9	295.4
		6	901.1	219.1	854.6	241.5	803.0	267.5	746.7	296.9
		7	927.4	220.5	879.7	243.0	826.8	268.9	768.9	298.3
		8	953.9	221.9	905.1	244.4	850.8	270.4	791.5	299.8
		9	980.7	223.4	930.8	246.0	875.2	272.0	814.4	301.4
		10	1007.7	225.0	956.7	247.5	899.8	273.5	837.6	303.0
170	DCC088TX-21GVVW	5	915.2	229.5	866.5	253.1	813.0	280.3	754.9	311.0
		6	942.3	231.0	892.3	254.7	837.3	281.9	777.6	312.6
		7	969.8	232.6	918.4	256.3	861.9	283.5	800.5	314.3
		8	997.5	234.3	944.9	257.9	886.9	285.2	823.9	316.0
		9	1025.6	236.0	971.7	259.6	912.2	286.9	847.6	317.7
		10	1053.9	237.7	998.8	261.4	937.8	288.7	871.6	319.5
171	DCC091TX-21GVWW	5	946.1	240.9	895.6	265.7	840.1	294.2	780.0	326.3
		6	973.7	242.5	921.9	267.4	864.8	295.9	803.0	328.0
		7	1001.7	244.2	948.5	269.1	889.9	297.6	826.4	329.8
		8	1029.9	246.0	975.4	270.9	915.3	299.5	850.1	331.7
		9	1058.5	247.8	1002.6	272.7	941.0	301.3	874.1	333.6
		10	1087.2	249.6	1030.1	274.6	967.0	303.2	898.5	335.5
172	DCC094TX-21GWWW	5	977.0	252.2	924.7	278.2	867.3	308.0	805.0	341.5
		6	1005.2	254.0	951.5	280.0	892.4	309.9	828.4	343.5
		7	1033.6	255.8	978.5	281.9	917.9	311.8	852.2	345.4
		8	1062.3	257.7	1005.9	283.8	943.7	313.8	876.3	347.4
		9	1091.3	259.6	1033.6	285.8	969.8	315.8	900.7	349.5
		10	1120.5	261.6	1061.5	287.8	996.2	317.8	925.5	351.6
173	DCC050DX-14EPV0	5	516.3	125.0	492.0	138.1	463.5	152.7	432.3	169.4
		6	531.6	125.8	506.6	138.8	477.4	153.5	445.3	170.2
		7	547.2	126.6	521.4	139.5	491.5	154.2	458.6	170.9
		8	562.8	127.4	536.3	140.3	505.7	155.0	472.0	171.7
		9	578.6	128.2	551.4	141.1	520.1	155.8	485.6	172.5
		10	594.3	129.1	566.5	141.9	534.6	156.6	499.4	173.3
174	DCC052DX-14EYY0	5	539.5	135.9	513.5	149.6	484.2	165.1	452.1	182.7
		6	555.5	136.7	528.5	150.4	498.4	166.0	465.5	183.5
		7	571.4	137.6	543.8	151.2	512.9	166.8	479.1	184.4
		8	587.4	138.4	559.1	152.1	527.6	167.7	492.9	185.3
		9	603.5	139.2	574.7	152.9	542.4	168.6	507.0	186.2
		10	619.7	140.1	590.3	153.8	557.4	169.5	521.2	187.1
175	DCC055DX-15DYV0	5	572.9	139.5	545.0	153.8	513.3	170.0	478.6	188.3
		6	589.9	140.4	561.2	154.6	528.6	170.8	493.0	189.1
		7	607.1	141.3	577.6	155.5	544.2	171.7	507.6	190.0
		8	624.5	142.2	594.2	156.3	560.0	172.6	522.5	190.9
		9	642.0	143.1	611.0	157.3	575.9	173.5	537.5	191.8
		10	659.7	144.1	627.9	158.2	592.1	174.4	552.8	192.8

1 Output kW refers to the chilled water duty.
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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

	Model	Supply Temp °C	Ambient (°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	DCC059DX-16DVV0	5	601.1	142.8	572.1	157.7	538.3	174.5	501.4	193.6
		6	619.4	143.8	589.3	158.5	554.6	175.3	516.7	194.4
		7	637.8	144.7	606.8	159.4	571.2	176.2	532.3	195.3
		8	656.5	145.7	624.4	160.3	588.0	177.1	548.1	196.2
		9	675.4	146.7	642.3	161.2	605.0	178.0	564.1	197.1
		10	694.5	147.8	660.4	162.2	622.2	179.0	580.3	198.1
177	DCC061DX-16DVW0	5	629.8	153.6	598.6	169.4	563.2	187.5	524.6	208.0
		6	648.4	154.6	616.3	170.4	580.0	188.4	540.3	208.9
		7	667.2	155.6	634.2	171.4	597.0	189.4	556.2	209.9
		8	686.1	156.6	652.3	172.4	614.1	190.4	572.4	211.0
		9	705.3	157.7	670.6	173.4	631.5	191.5	588.8	212.0
		10	724.6	158.8	689.0	174.5	649.1	192.6	605.4	213.1
178	DCC065DX-16DWW0	5	671.0	165.1	636.3	181.8	598.0	201.1	556.5	222.9
		6	690.4	166.1	654.8	182.9	615.5	202.2	572.8	224.0
		7	710.0	167.2	673.6	184.0	633.3	203.3	589.4	225.2
		8	729.8	168.4	692.5	185.1	651.3	204.5	606.3	226.3
		9	749.8	169.5	711.7	186.3	669.4	205.7	623.4	227.6
		10	770.0	170.7	731.1	187.5	687.8	206.9	640.7	228.8
179	DCC070TX-19GPPY	5	728.5	176.4	692.5	194.3	651.7	214.6	607.4	237.6
		6	750.4	177.6	713.1	195.4	671.2	215.7	625.6	238.7
		7	772.4	178.8	733.9	196.5	690.9	216.8	644.1	239.8
		8	794.6	180.0	755.0	197.7	710.9	218.0	662.9	241.0
		9	817.1	181.2	776.4	198.8	731.2	219.2	682.0	242.2
		10	839.6	182.4	798.0	200.1	751.7	220.4	701.3	243.4
180	DCC074TX-20GPYY	5	765.8	189.9	728.4	209.2	686.1	231.0	640.0	255.6
		6	788.6	191.2	749.9	210.3	706.5	232.2	659.2	256.8
		7	811.6	192.4	771.8	211.5	727.2	233.4	678.6	258.0
		8	834.7	193.6	793.8	212.7	748.2	234.6	698.3	259.3
		9	858.1	194.9	816.2	213.9	769.5	235.9	718.4	260.6
		10	881.5	196.1	838.7	215.2	791.0	237.2	738.7	261.9
181	DCC079TX-21GYYY	5	826.1	204.7	784.3	225.1	738.2	248.4	688.2	274.7
		6	850.6	206.0	807.7	226.4	760.3	249.7	708.8	276.0
		7	875.5	207.3	831.4	227.7	782.7	251.0	729.8	277.3
		8	900.6	208.6	855.4	229.0	805.5	252.4	751.2	278.7
		9	926.0	210.0	879.7	230.4	828.5	253.8	772.8	280.1
		10	951.7	211.4	904.3	231.8	851.9	255.2	794.8	281.6
182	DCC081TX-22GYYV	5	845.8	207.6	803.9	228.7	756.7	252.6	705.3	279.7
		6	871.1	208.9	828.0	229.9	779.5	253.9	726.6	281.0
		7	896.7	210.2	852.3	231.2	802.6	255.2	748.3	282.3
		8	922.6	211.6	877.1	232.6	826.0	256.5	770.3	283.7
		9	948.8	213.0	902.1	233.9	849.8	257.9	792.7	285.0
		10	975.3	214.5	927.3	235.3	873.8	259.4	815.3	286.5

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

DCC 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

			DCC047DR-08EPV0	DCC049DR-08EYY0	DCC049DR-10EPV0	DCC051DR-10EYY0	DCC052DR-09DYV0	DCC056DR-10DVV0	DCC058DR-10DVW0	DCC061DR-10DWW0
Number of Refrigeration Circuits			2	2	2	2	2	2	2	2
Cooling Duty - EC Fans		kW	469.8	492.0	482.4	505.4	525.4	555.6	580.2	614.7
Nominal Input - Mechanical		kW	171.1	184.4	164.2	177.8	188.8	192.8	207.1	222.1
EER	(2)		2.75	2.67	2.94	2.84	2.78	2.88	2.80	2.77
ESEER			4.06	4.09	4.29	4.26	4.22	4.38	4.31	4.26
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Capacity Steps		%	25-45-65-80-100	20-35-50-70-85-100	25-40-65-80-100	15-35-50-70-85-100	15-35-50-70-85-100	20-35-50-70-85-100	15-35-50-70-85-100	20-35-50-70-85-100
Minimum Turndown Ratio			0.23	0.18	0.23	0.17	0.17	0.18	0.17	0.18
Dimensions (H x W x L)		mm	2682 x 2200 x 4846	2682 x 2200 x 4846	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 5978
Mass										
Machine	(3)	kg	3840	3970	4325	4460	4430	4480	4530	4590
Operating		kg	4080	4210	4605	4735	4775	4815	4870	4920
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	159.8	159.8	159.8	159.8	224.0	219.0	219.0	214.0
Maximum Waterflow		l/s	29.7	29.7	29.7	29.7	27.3	28.1	35.1	35.1
Minimum Waterflow		l/s	6.8	6.8	6.8	6.8	6.4	6.4	8.0	13.4
Condenser										
Face Area (Total)		m²	19.0	19.0	23.8	23.8	21.4	23.8	23.8	23.8
Nominal Airflow		m³/s	51.6	51.6	64.4	64.4	58.0	64.4	64.4	64.4
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			8	8	10	10	9	10	10	10
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Tandem + Trio	Trio + Trio	Tandem + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			5	6	5	6	6	6	6	6
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	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	21 + 31	25 + 28	24 + 34	29 + 30	26 + 32	32 + 33	32 + 33	33 + 34
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCC065TR-10GPPY	DCC050DR-12EPV0	DCC052DR-12EYY0	DCC054DR-11DYV0	DCC058DR-12DVV0	DCC060DR-12DVW0	DCC063DR-12DWW0	DCC069TR-11GPYY
Number of Refrigeration Circuits			3	2	2	2	2	2	2	3
Cooling Duty - EC Fans		kW	651.7	489.3	512.2	536.3	562.8	590.9	629.3	692.1
Nominal Input - Mechanical		kW	243.2	158.9	172.1	182.1	185.9	200.4	215.6	259.7
EER	(2)		2.68	3.08	2.98	2.95	3.03	2.95	2.92	2.67
ESEER			4.05	4.46	4.39	4.39	4.53	4.45	4.40	4.04
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Capacity Steps		%	15-35-45-60-75-90-100	25-40-65-80-100	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100	20-35-50-70-85-100	15-30-40-55-65-80-90-100
Minimum Turndown Ratio			0.16	0.23	0.17	0.17	0.17	0.17	0.18	0.15
Dimensions (H x W x L)		mm	2682 x 2200 x 5978	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 7110
Mass										
Machine	(3)	kg	4980	4855	4990	4965	5005	5060	5120	5590
Operating		kg	5500	5195	5330	5370	5410	5465	5515	6175
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	390.0	159.8	159.8	224.0	219.0	219.0	214.0	390.0
Maximum Waterflow		l/s	35.9	29.7	29.7	27.3	28.1	35.1	35.1	47.5
Minimum Waterflow		l/s	8.4	6.8	6.8	6.4	6.4	8.0	13.4	10.5
Condenser										
Face Area (Total)		m²	23.8	28.5	28.5	26.1	28.5	28.5	28.5	26.1
Nominal Airflow		m³/s	64.4	77.3	77.3	70.9	77.3	77.3	77.3	70.9
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			10	12	12	11	12	12	12	11
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Tandem + Tandem + Trio	Tandem + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Trio + Trio
Quantity of Compressors			7	5	6	6	6	6	6	8
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	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	21 + 23 + 29	28 + 37	32 + 33	30 + 35	35 + 36	35 + 36	36 + 37	21 + 28 + 28
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCC074TR-12GYYY	DCC056DR-13DYV0	DCC059DR-14DVV0	DCC061DR-14DVW0	DCC065DR-14DWW0	DCC068TR-13GPPY	DCC072TR-14GPYY	DCC077TR-13GYYV
Number of Refrigeration Circuits			3	2	2	2	2	3	3	3
Cooling Duty - EC Fans		kW	749.5	543.3	569.8	597.3	636.7	677.3	714.8	772.7
Nominal Input - Mechanical		kW	277.6	176.7	181.0	194.7	209.4	233.0	249.7	281.1
EER	(2)		2.70	3.07	3.15	3.07	3.04	2.91	2.86	2.75
ESEER			4.16	4.52	4.64	4.57	4.52	4.31	4.27	4.19
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Capacity Steps		%	10-25-35-45-60-70-80-90-100	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100	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			0.12	0.17	0.17	0.16	0.17	0.16	0.15	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 7110	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Mass										
Machine	(3)	kg	5805	5430	5475	5530	5590	5925	6120	6255
Operating		kg	6380	5875	5915	5970	6025	6545	6745	6910
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	379.0	224.0	219.0	219.0	214.0	390.0	390.0	379.0
Maximum Waterflow		l/s	46.1	27.3	28.1	35.1	35.1	35.9	47.5	46.1
Minimum Waterflow		l/s	17.7	6.4	6.4	8.0	13.4	8.4	10.5	17.7
Condenser										
Face Area (Total)		m²	28.5	30.9	33.3	33.3	33.3	30.9	33.3	30.9
Nominal Airflow		m³/s	77.3	83.8	90.2	90.2	90.2	83.8	90.2	83.8
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			12	13	14	14	14	13	14	13
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Trio + Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Tandem + Trio	Tandem + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	6	6	6	6	7	8	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	2 x 5.3 + 2 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	27 + 29 + 30	33 + 37	39 + 38	39 + 38	40 + 39	24 + 27 + 31	24 + 31 + 31	27 + 29 + 33
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCC080TR-14GYVV	DCC070TR-16GPPY	DCC077TR-15GYYY	DCC080TR-16GYYV	DCC083TR-15GVVV	DCC086TR-15GVVW	DCC088TR-15GVWW	DCC091TR-15GWWW
Number of Refrigeration Circuits			3	3	3	3	3	3	3	3
Cooling Duty - EC Fans		kW	796.0	688.2	771.4	790.9	819.2	854.6	882.6	910.6
Nominal Input - Mechanical		kW	284.6	224.3	267.8	271.2	288.2	303.2	317.7	332.2
EER	(2)		2.80	3.07	2.88	2.92	2.84	2.82	2.78	2.74
ESEER			4.24	4.50	4.34	4.36	4.32	4.33	4.28	4.21
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	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	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	10-25-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.11	0.16	0.12	0.11	0.12	0.11	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374
Mass										
Machine	(3)	kg	6320	6325	6655	6720	6660	6740	6795	6850
Operating		kg	6970	6950	7365	7430	7370	7440	7495	7550
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	379.0	390.0	379.0	379.0	379.0	368.0	368.0	368.0
Maximum Waterflow		l/s	46.1	35.9	46.1	46.1	46.1	63.1	63.1	63.1
Minimum Waterflow		l/s	17.7	8.4	17.7	17.7	17.7	14.1	14.1	14.1
Condenser										
Face Area (Total)		m²	33.3	38.0	35.6	38.0	35.6	35.6	35.6	35.6
Nominal Airflow		m³/s	90.2	103.1	96.7	103.1	96.7	96.7	96.7	96.7
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			14	16	15	16	15	15	15	15
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Trio + Trio + Trio	Tandem + Tandem + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	7	9	9	9	9	9	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	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	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	27 + 33 + 33	28 + 31 + 34	31 + 33 + 33	30 + 33 + 37	31 + 33 + 34	33 + 35 + 35	33 + 35 + 35	33 + 35 + 35
Connections										
Water Inlet / Outlet - Unit			DN150	DN125	DN150	DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet

			DCC074TR-17GPYY	DCC079TR-18GYYY	DCC082TR-17GYVV	DCC085TR-18GVVV	DCC088TR-18GVVW	DCC091TR-18GVWW	DCC094TR-18GWWW	DCC082TR-19GYYV
Number of Refrigeration Circuits			3	3	3	3	3	3	3	3
Cooling Duty - EC Fans		kW	725.3	782.2	810.3	829.7	869.2	900.4	931.5	801.5
Nominal Input - Mechanical		kW	241.0	259.1	274.5	277.9	293.3	307.9	322.5	262.9
EER	(2)		3.01	3.02	2.95	2.99	2.96	2.92	2.89	3.05
ESEER			4.43	4.47	4.40	4.46	4.47	4.43	4.36	4.49
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Capacity Steps		%	15-25-40-55-65-75-90-100	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	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	10-25-35-45-55-70-80-90-100
Minimum Turndown Ratio			0.15	0.12	0.11	0.12	0.11	0.11	0.12	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 11638
Mass										
Machine	(3)	kg	6895	7115	7055	7125	7205	7260	7315	7415
Operating		kg	7605	7815	7755	7820	7890	7945	8000	8160
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	390.0	379.0	379.0	379.0	368.0	368.0	368.0	379.0
Maximum Waterflow		l/s	47.5	46.1	46.1	46.1	63.1	63.1	63.1	46.1
Minimum Waterflow		l/s	10.5	17.7	17.7	17.7	14.1	14.1	14.1	17.7
Condenser										
Face Area (Total)		m²	40.4	42.8	40.4	42.8	42.8	42.8	42.8	45.1
Nominal Airflow		m³/s	109.6	116.0	109.6	116.0	116.0	116.0	116.0	122.4
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			17	18	17	18	18	18	18	19
Maximum Speed		rpm	1050	1050	1050	1050	1050	1050	1050	1050
Compressor			Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			8	9	9	9	9	9	9	9
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 + 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 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	28 + 34 + 35	34 + 35 + 36	31 + 36 + 37	35 + 36 + 37	36 + 38 + 39	36 + 38 + 39	36 + 38 + 39	34 + 35 + 41
Connections										
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Regular Quiet, Extra Quiet

			DCC084TR-20GYVV	DCC087TR-21GVVV	DCC090TR-21GVVW	DCC093TR-21GVWW	DCC096TR-21GWWW	DCC048DX-10EPV0	DCC049DX-10EYY0	DCC049DX-12EPV0
Number of Refrigeration Circuits			3	3	3	3	3	2	2	2
Cooling Duty - EC Fans		kW	820.8	840.1	879.1	910.1	941.2	465.6	485.5	480.8
Nominal Input - Mechanical		kW	266.8	270.6	285.0	298.9	312.9	164.1	177.9	158.0
EER	(2)		3.08	3.10	3.08	3.04	3.01	2.84	2.73	3.04
ESEER			4.52	4.57	4.59	4.54	4.47	4.27	4.28	4.46
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	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	10-20-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100	10-25-35-45-55-70-80-90-100	25-45-65-85-100	20-35-55-70-85-100	25-45-65-80-100
Minimum Turndown Ratio			0.11	0.12	0.11	0.11	0.12	0.23	0.18	0.23
Dimensions (H x W x L)		mm	2682 x 2200 x 11638	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 5978	2682 x 2200 x 5978	2682 x 2200 x 7110
Mass										
Machine	(3)	kg	7480	7845	7925	7980	8035	4485	4620	5015
Operating		kg	8225	8635	8705	8760	8815	4760	4895	5355
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	379.0	379.0	368.0	368.0	368.0	159.8	159.8	159.8
Maximum Waterflow		l/s	46.1	46.1	63.1	63.1	63.1	29.7	29.7	29.7
Minimum Waterflow		l/s	17.7	17.7	14.1	14.1	14.1	6.8	6.8	6.8
Condenser										
Face Area (Total)		m²	47.5	49.9	49.9	49.9	49.9	23.8	23.8	28.5
Nominal Airflow		m³/s	128.9	135.3	135.3	135.3	135.3	44.1	44.1	53.0
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			20	21	21	21	21	10	10	12
Maximum Speed		rpm	1050	1050	1050	1050	1050	750	750	750
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Trio	Trio + Trio	Tandem + Trio
Quantity of Compressors			9	9	9	9	9	5	6	5
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	3 x 5.3 + 3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3	2 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	34 + 39 + 41	39 + 39 + 42	40 + 40 + 44	40 + 40 + 44	40 + 40 + 44	24 + 34	29 + 30	28 + 37
Connections										
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150	DN150	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCC051DX-12EYY0	DCC053DX-11DYV0	DCC056DX-12DVV0	DCC058DX-12DVW0	DCC061DX-12DWW0	DCC050DX-14EPV0	DCC052DX-14EYY0	DCC054DX-13DYV0
Number of Refrigeration Circuits			2	2	2	2	2	2	2	2
Cooling Duty - EC Fans		kW	501.6	517.5	546.0	569.1	601.4	491.5	512.9	533.0
Nominal Input - Mechanical		kW	171.1	181.9	185.4	200.3	216.0	154.2	166.8	175.7
EER	(2)		2.93	2.85	2.95	2.84	2.78	3.19	3.07	3.03
ESEER			4.40	4.41	4.54	4.47	4.42	4.59	4.49	4.52
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Capacity Steps		%	20-35-50-70-85-100	20-35-50-70-85-100	20-35-55-70-85-100	15-35-50-70-85-100	20-35-55-70-85-100	25-40-65-80-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.18	0.18	0.18	0.17	0.18	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	2682 x 2200 x 7110	2682 x 2200 x 7110	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242
Mass										
Machine	(3)	kg	5145	5120	5165	5220	5280	5480	5615	5585
Operating		kg	5485	5525	5565	5620	5675	5860	5995	6030
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	159.8	224.0	219.0	219.0	214.0	159.8	159.8	224.0
Maximum Waterflow		l/s	29.7	27.3	28.1	35.1	35.1	29.7	29.7	27.3
Minimum Waterflow		l/s	6.8	6.4	6.4	8.0	13.4	6.8	6.8	6.4
Condenser										
Face Area (Total)		m²	28.5	26.1	28.5	28.5	28.5	33.3	33.3	30.9
Nominal Airflow		m³/s	53.0	48.6	53.0	53.0	53.0	61.8	61.8	57.4
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			12	11	12	12	12	14	14	13
Maximum Speed		rpm	750	750	750	750	750	750	750	750
Compressor			Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6	6	6	5	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	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 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	32 + 33	30 + 35	35 + 36	35 + 36	36 + 37	32 + 39	36 + 35	33 + 37
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCC057DX-14DVV0	DCC060DX-14DVW0	DCC063DX-14DWW0	DCC066TX-13GPPY	DCC070TX-14GPYY	DCC055DX-15DYV0	DCC059DX-16DVV0	DCC061DX-16DVW0
Number of Refrigeration Circuits			2	2	2	3	3	2	2	2
Cooling Duty - EC Fans		kW	560.4	585.1	619.7	647.8	685.4	544.2	571.2	597.0
Nominal Input - Mechanical		kW	179.9	193.8	208.4	233.3	249.9	171.7	176.2	189.4
EER	(2)		3.12	3.02	2.97	2.78	2.74	3.17	3.24	3.15
ESEER			4.65	4.57	4.53	4.28	4.26	4.62	4.73	4.66
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Capacity Steps		%	20-35-50-70-85-100	15-35-50-70-85-100	20-35-55-70-85-100	15-35-50-60-75-90-100	15-30-40-55-65-80-90-100	15-35-50-70-85-100	15-35-50-70-85-100	15-35-50-70-85-100
Minimum Turndown Ratio			0.18	0.17	0.18	0.17	0.16	0.17	0.17	0.17
Dimensions (H x W x L)		mm	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 8242	2682 x 2200 x 9374	2682 x 2200 x 9374	2682 x 2200 x 9374
Mass										
Machine	(3)	kg	5635	5690	5750	6185	6380	5925	5970	6025
Operating		kg	6075	6130	6185	6805	7005	6370	6410	6465
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	219.0	219.0	214.0	390.0	390.0	224.0	219.0	219.0
Maximum Waterflow		l/s	28.1	35.1	35.1	35.9	47.5	27.3	28.1	35.1
Minimum Waterflow		l/s	6.4	8.0	13.4	8.4	10.5	6.4	6.4	8.0
Condenser										
Face Area (Total)		m²	33.3	33.3	33.3	30.9	33.3	35.6	38.0	38.0
Nominal Airflow		m³/s	61.8	61.8	61.8	57.4	61.8	66.2	70.6	70.6
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			14	14	14	13	14	15	16	16
Maximum Speed		rpm	750	750	750	750	750	750	750	750
Compressor			Trio + Trio	Trio + Trio	Trio + Trio	Tandem + Tandem + Trio	Tandem + Trio + Trio	Trio + Trio	Trio + Trio	Trio + Trio
Quantity of Compressors			6	6	6	7	8	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	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 + 3 x 5.3	3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	39 + 38	39 + 38	40 + 39	24 + 27 + 31	24 + 31 + 31	37 + 40	43 + 41	43 + 41
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN125	DN125	DN125	DN125
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCC065DX-16DWW0	DCC068TX-16GPPY	DCC075TX-15GYYY	DCC077TX-16GYYV	DCC072TX-17GPYY	DCC077TX-18GYYY	DCC080TX-17GYVV	DCC083TX-18GVVV
Number of Refrigeration Circuits			2	3	3	3	3	3	3	3
Cooling Duty - EC Fans		kW	633.3	673.5	739.3	761.5	710.1	764.7	783.7	805.9
Nominal Input - Mechanical		kW	203.3	222.9	267.9	271.0	239.6	257.6	274.0	277.1
EER	(2)		3.11	3.02	2.76	2.81	2.96	2.97	2.86	2.91
ESEER			4.62	4.49	4.36	4.38	4.43	4.48	4.41	4.47
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Capacity Steps		%	20-35-50-70-85-100	15-35-45-60-75-90-100	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	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			0.18	0.16	0.12	0.12	0.16	0.12	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	2682 x 2200 x 9374	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506
Mass										
Machine	(3)	kg	6085	6585	6815	6880	7155	7375	7315	7385
Operating		kg	6520	7210	7425	7490	7865	8075	8015	8080
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	214.0	390.0	379.0	379.0	390.0	379.0	379.0	379.0
Maximum Waterflow		l/s	35.1	35.9	46.1	46.1	47.5	46.1	46.1	46.1
Minimum Waterflow		l/s	13.4	8.4	17.7	17.7	10.5	17.7	17.7	17.7
Condenser										
Face Area (Total)		m²	38.0	38.0	35.6	38.0	40.4	42.8	40.4	42.8
Nominal Airflow		m³/s	70.6	70.6	66.2	70.6	75.0	79.5	75.0	79.5
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			16	16	15	16	17	18	17	18
Maximum Speed		rpm	750	750	750	750	750	750	750	750
Compressor			Trio + Trio	Tandem + Tandem + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			6	7	9	9	8	9	9	9
Oil Charge Volume (Total)		l	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	3 x 5.3 + 3 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	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	44 + 42	28 + 31 + 34	31 + 33 + 33	30 + 33 + 37	28 + 34 + 35	34 + 35 + 36	31 + 36 + 37	35 + 36 + 37
Connections										
Water Inlet / Outlet - Unit			DN125	DN125	DN125	DN125	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCC086TX-18GVVW	DCC088TX-18GVWW	DCC091TX-18GWWW	DCC070TX-19GPPY	DCC074TX-20GPYY	DCC079TX-21GYYY	DCC080TX-19GYYV	DCC081TX-22GYYV
Number of Refrigeration Circuits			3	3	3	3	3	3	3	3
Cooling Duty - EC Fans		kW	838.6	864.9	891.2	690.9	727.2	782.7	785.4	802.6
Nominal Input - Mechanical		kW	292.7	307.8	323.0	216.8	233.4	251.0	261.4	255.2
EER	(2)		2.87	2.81	2.76	3.19	3.12	3.12	3.00	3.14
ESEER			4.49	4.44	4.37	4.64	4.56	4.58	4.50	4.60
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	N/A	N/A	N/A	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	15-30-45-60-75-90-100	15-30-40-55-65-80-90-100	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	0.16	0.15	0.12	0.12	0.11
Dimensions (H x W x L)		mm	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 10506	2682 x 2200 x 11638	2682 x 2200 x 11638	2682 x 2200 x 12770	2682 x 2200 x 11638	2682 x 2200 x 12770
Mass										
Machine	(3)	kg	7465	7520	7575	7385	7580	8095	7675	8160
Operating		kg	8150	8205	8260	8140	8335	8885	8420	8950
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	368.0	368.0	368.0	390.0	390.0	379.0	379.0	379.0
Maximum Waterflow		l/s	63.1	63.1	63.1	35.9	47.5	46.1	46.1	46.1
Minimum Waterflow		l/s	14.1	14.1	14.1	8.4	10.5	17.7	17.7	17.7
Condenser										
Face Area (Total)		m²	42.8	42.8	42.8	45.1	47.5	49.9	45.1	52.3
Nominal Airflow		m³/s	79.5	79.5	79.5	83.9	88.3	92.7	83.9	97.1
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			18	18	18	19	20	21	19	22
Maximum Speed		rpm	750	750	750	750	750	750	750	750
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Tandem + Tandem + Trio	Tandem + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	9	9	7	8	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	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	3 x 5.3 + 3 x 5.3 + 3 x 5.3	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration										
Charge (Total)		kg	36 + 38 + 39	36 + 38 + 39	36 + 38 + 39	31 + 34 + 39	31 + 37 + 39	38 + 38 + 41	34 + 35 + 41	37 + 38 + 45
Connections										
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Water System										
Minimum System Water Volume	(4)	l	0	0	0	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	10	10	10	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 Mechanical Data - Extra Quiet

			DCC082TX-20GYVV	DCC085TX-21GVVV	DCC088TX-21GVVW	DCC091TX-21GVWW	DCC094TX-21GWWW
Number of Refrigeration Circuits			3	3	3	3	3
Cooling Duty - EC Fans		kW	806.1	826.8	861.9	889.9	917.9
Nominal Input - Mechanical		kW	265.2	268.9	283.5	297.6	311.8
EER	(2)		3.04	3.07	3.04	2.99	2.94
ESEER			4.53	4.58	4.59	4.55	4.48
Nominal Output - Free Cooling		kW	N/A	N/A	N/A	N/A	N/A
Ambient temperature for 100% Free Cooling	(5)	°C	N/A	N/A	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	10-25-35-45-55-70-80-90-100	10-25-35-45-60-70-80-90-100	10-25-35-45-60-70-80-90-100
Minimum Turndown Ratio			0.11	0.12	0.11	0.11	0.12
Dimensions (H x W x L)		mm	2682 x 2200 x 11638	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770	2682 x 2200 x 12770
Mass							
Machine	(3)	kg	7740	8105	8185	8240	8295
Operating		kg	8485	8895	8965	9020	9075
Evaporator			Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
Water Volume (Total Internal)		l	379.0	379.0	368.0	368.0	368.0
Maximum Waterflow		l/s	46.1	46.1	63.1	63.1	63.1
Minimum Waterflow		l/s	17.7	17.7	14.1	14.1	14.1
Condenser							
Face Area (Total)		m²	47.5	49.9	49.9	49.9	49.9
Nominal Airflow		m³/s	88.3	92.7	92.7	92.7	92.7
Condenser Fan & Motor			Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan	Sickle Bladed Fan
Quantity			20	21	21	21	21
Maximum Speed		rpm	750	750	750	750	750
Compressor			Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio	Trio + Trio + Trio
Quantity of Compressors			9	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	3 x 5.3 + 3 x 5.3 + 3 x 5.3
Refrigeration							
Charge (Total)		kg	34 + 39 + 41	39 + 39 + 42	40 + 40 + 44	40 + 40 + 44	40 + 40 + 44
Connections							
Water Inlet / Outlet - Unit			DN150	DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	1/2	1/2	1/2	1/2	1/2
Water System							
Minimum System Water Volume	(4)	l	0	0	0	0	0
Maximum System Operating Pressure		Bar	10	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			DCC047DR-08EPV0	DCC049DR-08EYY0	DCC049DR-10EPV0	DCC051DR-10EYY0	DCC052DR-09DYV0	DCC056DR-10DVV0	DCC058DR-10DVW0	DCC061DR-10DWW0	DCC065TR-10GPPY	DCC050DR-12EPV0	DCC052DR-12EYY0	DCC054DR-11DYV0	DCC058DR-12DVV0	DCC060DR-12DVW0	DCC063DR-12DWW0	DCC069TR-11GPYY
Nominal Run Amps	(1)	A	331.7	333.4	339.4	341.1	361.5	390.0	402.0	414.1	440.1	347.1	348.9	369.2	397.6	409.7	421.8	470.1
Maximum Start Amps		A	595.1	609.0	602.8	616.7	628.9	657.4	665.4	649.5	703.5	610.5	624.5	636.6	665.0	673.1	657.2	733.5
Recommended Mains Fuse Size		A	355	355	400	355	400	450	450	450	500	400	400	400	450	450	450	500
Evaporator																		
Immersion Heater Rating		W	170	170	170	170	170	170	170	170	250	170	170	170	170	170	170	250
Condenser Fan - Per Fan (EC)																		
Quantity			8	8	10	10	9	10	10	10	10	12	12	11	12	12	12	11
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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	47.9 / 47.9	47.9 / 55.2	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.9	59.2 / 55.2	47.9 / 47.9	47.9 / 55.2	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2	59.2 / 47.9 / 47.9
Quantity			2 + 3	3 + 3	2 + 3	3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 2 + 3	2 + 3	3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 3 + 3
Motor Rating		kW	36.2 / 33.1	29.8 / 29.8	36.2 / 33.1	29.8 / 29.8	29.8 / 33.1	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8	36.2 / 33.1	29.8 / 29.8	29.8 / 33.1	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 29.8 / 29.8
Sump Heater Rating		W	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	298 / 326	326 / 326	298 / 326	326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 298 / 326	298 / 326	326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 326 / 326

(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.

DCC Electrical Data - Regular Quiet

OPTIONAL EXTRAS			DCC047DR-08EPV0	DCC049DR-08EYY0	DCC049DR-10EPV0	DCC051DR-10EYY0	DCC052DR-09DYY0	DCC056DR-10DVV0	DCC058DR-10DVW0	DCC061DR-10DWW0	DCC065TR-10GPPY	DCC050DR-12EPV0	DCC052DR-12EYY0	DCC054DR-11DYV0	DCC058DR-12DVV0	DCC060DR-12DVW0	DCC063DR-12DWW0	DCC069TR-11GPYY
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	308.4	318.3	316.2	326.1	339.5	360.7	374.4	388.0	415.2	324.0	333.8	347.3	368.5	382.1	395.8	446.3
Reactive power reduction/saving	(4)	kVAr	41.1	28.5	41.1	28.5	39.7	50.9	48.9	46.8	45.4	41.2	28.6	39.8	51.0	48.9	46.8	44.1
Maximum Start Amps		A	571.8	593.9	579.6	601.7	606.9	628.1	637.8	623.4	678.6	587.4	609.4	614.7	635.9	645.5	631.2	709.7
Recommended Mains Fuse Size		A	355	355	400	355	400	450	450	450	500	400	400	400	450	450	450	500
Electronic Soft-start																		
Nominal Run Amps		A	331.7	333.4	339.4	341.1	361.5	390.0	402.0	414.1	440.1	347.1	348.9	369.2	397.6	409.7	421.8	470.1
Maximum Start Amps		A	464.7	478.6	472.4	486.3	498.5	527.0	535.0	530.3	573.1	480.1	494.1	506.2	534.6	542.7	538.0	603.1
Recommended Mains Fuse		A	355	355	400	355	400	450	450	450	500	400	400	400	450	450	450	500
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	308.4	318.3	316.2	326.1	339.5	360.7	374.4	388.0	415.2	324.0	333.8	347.3	368.5	382.1	395.8	446.3
Maximum Start Amps		A	441.4	463.5	449.2	471.3	476.5	497.7	507.4	504.2	548.2	457.0	479.0	484.3	505.5	515.1	512.0	579.3
Recommended Mains Fuse Size		A	355	355	400	355	400	450	450	450	500	400	400	400	450	450	450	500
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	8.9	8.9	8.9	8.9	8.9	8.9	8.9	11.2	11.2	8.9	8.9	8.9	8.9	11.2	11.2	11.2
Unit Nominal Run Amps		A	340.3	341.8	347.9	349.5	370.0	398.5	410.5	425.2	451.1	355.6	357.3	377.7	406.2	420.8	432.9	481.1
Recommended Mains Fuse Size		A	400	400	400	400	400	450	450	450	500	400	400	400	450	450	450	500
Motor Rating		kW	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.2	6.2	4.4	4.4	4.4	4.4	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.8	14.8	11.2	11.2	11.2	11.2	14.8	14.8	21.2
Unit Nominal Run Amps		A	342.8	344.3	350.4	352.1	372.5	401.0	413.0	428.8	454.8	358.1	359.8	380.2	408.7	424.4	436.5	491.0
Recommended Mains Fuse Size		A	400	400	400	400	400	450	450	450	500	400	400	400	450	450	500	560
Motor Rating		kW	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.4	8.4	6.1	6.1	6.1	6.1	8.4	8.4	12.1
Standard Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	7.3	7.3	7.3	7.3	7.3	7.3	7.3	10.2	10.2	7.3	7.3	7.3	7.3	10.2	10.2	10.2
Unit Nominal Run Amps		A	337.5	339.3	345.2	347.1	367.3	395.7	407.8	422.3	448.4	352.9	354.8	375.1	403.4	417.9	430.1	478.4
Recommended Mains Fuse Size		A	400	355	400	400	400	450	450	450	500	400	400	400	450	450	450	500
Motor Rating		kW	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.4	6.4	4.5	4.5	4.5	4.5	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.9	13.9	10.1	10.1	10.1	10.1	13.9	13.9	19.8
Unit Nominal Run Amps		A	339.8	341.7	347.5	349.4	369.6	398.0	410.1	425.3	451.3	355.2	357.2	377.4	405.7	420.8	433.0	486.3
Recommended Mains Fuse Size		A	400	400	400	400	400	450	450	450	500	400	400	400	450	450	500	560
Motor Rating		kW	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.6	8.6	6.3	6.3	6.3	6.3	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 - Regular Quiet

Unit Data			DCC074TR-12GYYY	DCC056DR-13DYV0	DCC059DR-14DVV0	DCC061DR-14DVW0	DCC065DR-14DWW0	DCC068TR-13GPPY	DCC072TR-14GPYY	DCC077TR-13GYYV	DCC080TR-14GYVV	DCC070TR-16GPPY	DCC077TR-15GYYY	DCC080TR-16GYYV	DCC083TR-15GVVV	DCC086TR-15GVVW	DCC088TR-15GVWW	DCC091TR-15GWWW
Nominal Run Amps	(1)	A	500.1	376.9	405.3	417.4	429.6	451.7	481.7	528.1	556.4	463.3	511.7	539.7	584.9	597.0	609.1	621.2
Maximum Start Amps		A	775.7	644.3	672.7	680.8	665.0	715.1	745.1	795.5	823.8	726.7	787.3	807.1	852.3	860.4	872.5	856.6
Recommended Mains Fuse Size		A	560	400	450	450	450	500	500	560	630	500	560	560	630	630	630	670
Evaporator																		
Immersion Heater Rating		W	250	170	170	170	170	250	250	250	250	250	250	250	250	250	250	250
Condenser Fan - Per Fan (EC)																		
Quantity			12	13	14	14	14	13	14	13	14	16	15	16	15	15	15	15
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.9	59.2 / 47.9 / 47.9	47.9 / 47.9 / 55.2	47.9 / 55.2 / 55.2	59.2 / 59.2 / 47.9	47.9 / 47.9 / 47.9	47.9 / 47.9 / 55.2	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	2 + 2 + 3	2 + 3 + 3	3 + 3 + 3	3 + 3 + 3	2 + 2 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	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 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 29.8 / 33.1	29.8 / 33.1 / 33.1	36.2 / 36.2 / 29.8	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1	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	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 298 / 326	298 / 326 / 326	326 / 326 / 326	326 / 326 / 326	298 / 298 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298

(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.

DCC Electrical Data - Regular Quiet

OPTIONAL EXTRAS			DCC074TR-12GYYY	DCC056DR-13DYV0	DCC059DR-14DVV0	DCC061DR-14DVW0	DCC065DR-14DWW0	DCC068TR-13GPPY	DCC072TR-14GPYY	DCC077TR-13GYYV	DCC080TR-14GYVV	DCC070TR-16GPPY	DCC077TR-15GYYY	DCC080TR-16GYYV	DCC083TR-15GVVV	DCC086TR-15GVVW	DCC088TR-15GVWW	DCC091TR-15GWWW
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	477.4	355.0	376.3	389.9	403.6	426.9	458.0	498.6	519.8	438.6	489.1	510.3	541.0	554.7	568.4	582.1
Reactive power reduction/saving	(4)	kVAr	42.7	39.8	51.0	49.0	46.9	45.5	44.1	53.9	65.2	45.6	42.8	54.0	76.4	74.3	72.3	70.2
Maximum Start Amps		A	753.0	622.4	643.7	653.3	639.0	690.3	721.4	766.0	787.2	702.0	764.7	777.7	808.4	818.1	831.8	817.5
Recommended Mains Fuse Size		A	560	400	450	450	450	500	500	560	630	500	560	560	630	630	630	670
Electronic Soft-start																		
Nominal Run Amps		A	500.1	376.9	405.3	417.4	429.6	451.7	481.7	528.1	556.4	463.3	511.7	539.7	584.9	597.0	609.1	621.2
Maximum Start Amps		A	645.3	513.9	542.3	550.4	545.8	584.7	614.7	665.1	693.4	596.3	656.9	676.7	721.9	730.0	742.1	737.4
Recommended Mains Fuse		A	560	400	450	450	450	500	500	560	630	500	560	560	630	630	630	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	477.4	355.0	376.3	389.9	403.6	426.9	458.0	498.6	519.8	438.6	489.1	510.3	541.0	554.7	568.4	582.1
Maximum Start Amps		A	622.6	492.0	513.3	522.9	519.8	559.9	591.0	635.6	656.8	571.6	634.3	647.3	678.0	687.7	701.4	698.3
Recommended Mains Fuse Size		A	560	400	450	450	450	500	500	560	630	500	560	560	630	630	630	670
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	11.2	8.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	15.2
Unit Nominal Run Amps		A	511.0	385.4	416.4	428.5	440.6	462.7	492.7	539.1	567.5	474.3	522.7	550.7	596.0	608.0	620.1	636.2
Recommended Mains Fuse Size		A	560	450	450	450	500	500	560	560	630	500	560	630	630	630	670	670
Motor Rating		kW	6.2	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.4
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	21.2	11.2	11.2	14.8	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
Unit Nominal Run Amps		A	521.0	387.9	416.4	432.1	450.6	472.7	502.6	549.1	577.5	484.3	532.6	560.7	606.0	618.1	630.1	642.2
Recommended Mains Fuse Size		A	560	450	450	450	500	500	560	630	630	560	560	630	630	670	670	670
Motor Rating		kW	12.1	6.1	6.1	8.4	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
Standard Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	10.2	7.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	13.9
Unit Nominal Run Amps		A	508.4	382.8	413.5	425.6	437.8	460.0	490.0	536.4	564.6	471.6	520.1	548.0	593.0	605.1	617.2	632.3
Recommended Mains Fuse Size		A	560	400	450	450	500	500	560	560	630	500	560	630	630	630	670	670
Motor Rating		kW	6.4	4.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6
Larger Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	19.8	10.1	10.1	13.9	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
Unit Nominal Run Amps		A	516.3	385.1	413.4	428.5	445.6	467.8	497.9	544.2	572.3	479.5	528.0	555.8	600.7	612.8	625.0	637.2
Recommended Mains Fuse Size		A	560	450	450	450	500	500	560	630	630	500	560	630	630	670	670	670
Motor Rating		kW	12.4	6.3	6.3	8.6	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	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 Electrical Data - Regular Quiet, Extra Quiet

Unit Data			DCC074TR-17GPYY	DCC079TR-18GYYY	DCC082TR-17GYVV	DCC085TR-18GVVV	DCC088TR-18GVVW	DCC091TR-18GVWW	DCC094TR-18GWWW	DCC082TR-19GYYV	DCC084TR-20GYVV	DCC087TR-21GVVV	DCC090TR-21GVVW	DCC093TR-21GVWW	DCC096TR-21GWWW	DCC048DX-10EPV0	DCC049DX-10EYY0	DCC049DX-12EPV0
Nominal Run Amps	(1)	A	493.3	523.4	568.0	596.5	608.5	620.6	632.8	551.3	579.6	608.0	620.1	632.2	644.4	339.4	341.1	347.1
Maximum Start Amps		A	756.7	799.0	835.4	863.9	871.9	884.0	868.2	818.7	847.0	875.4	883.5	895.6	879.8	602.8	616.7	610.5
Recommended Mains Fuse Size		A	560	560	630	630	630	670	670	630	630	630	670	670	670	400	355	400
Evaporator																		
Immersion Heater Rating		W	250	250	250	250	250	250	250	250	250	250	250	250	250	170	170	170
Condenser Fan - Per Fan (EC)																		
Quantity			17	18	17	18	18	18	18	19	20	21	21	21	21	10	10	12
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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 / 55.2	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2	47.9 / 47.9 / 55.2	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2	59.2 / 55.2	47.9 / 47.9	59.2 / 55.2
Quantity			2 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	2 + 3	3 + 3	2 + 3
Motor Rating		kW	36.2 / 29.8 / 29.8	29.8 / 29.8 / 29.8	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2	29.8 / 29.8 / 33.1	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2	36.2 / 33.1	29.8 / 29.8	36.2 / 33.1
Sump Heater Rating		W	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	298 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298	298 / 326	326 / 326	298 / 326

(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.

DCC Electrical Data - Regular Quiet, Extra Quiet

OPTIONAL EXTRAS			DCC074TR-17GPYY	DCC079TR-18GYYY	DCC082TR-17GYVV	DCC085TR-18GVVV	DCC088TR-18GVVW	DCC091TR-18GVWW	DCC094TR-18GWWW	DCC082TR-19GYYV	DCC084TR-20GYVV	DCC087TR-21GVVV	DCC090TR-21GVVW	DCC093TR-21GVWW	DCC096TR-21GWWW	DCC048DX-10EPV0	DCC049DX-10EYY0	DCC049DX-12EPV0
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	469.7	500.7	531.5	552.7	566.4	580.1	593.7	522.0	543.2	564.4	578.0	591.7	605.4	316.2	326.1	324.0
Reactive power reduction/saving	(4)	kVAr	44.2	42.8	65.2	76.5	74.4	72.3	70.3	54.1	65.3	76.6	74.5	72.4	70.3	41.1	28.5	41.2
Maximum Start Amps		A	733.1	776.3	798.9	820.1	829.8	843.5	829.1	789.4	810.6	831.8	841.4	855.1	840.8	579.6	601.7	587.4
Recommended Mains Fuse Size		A	560	560	630	630	630	670	670	630	630	630	670	670	670	400	355	400
Electronic Soft-start																		
Nominal Run Amps		A	493.3	523.4	568.0	596.5	608.5	620.6	632.8	551.3	579.6	608.0	620.1	632.2	644.4	339.4	341.1	347.1
Maximum Start Amps		A	626.3	668.6	705.0	733.5	741.5	753.6	749.0	688.3	716.6	745.0	753.1	765.2	760.6	472.4	486.3	480.1
Recommended Mains Fuse		A	560	560	630	630	630	670	670	630	630	630	670	670	670	400	355	400
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	469.7	500.7	531.5	552.7	566.4	580.1	593.7	522.0	543.2	564.4	578.0	591.7	605.4	316.2	326.1	324.0
Maximum Start Amps		A	602.7	645.9	668.5	689.7	699.4	713.1	709.9	659.0	680.2	701.4	711.0	724.7	721.6	449.2	471.3	457.0
Recommended Mains Fuse Size		A	560	560	630	630	630	670	670	630	630	630	670	670	670	400	355	400
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	11.2	11.2	11.2	11.2	11.2	15.2	15.2	11.2	11.2	11.2	15.2	15.2	15.2	8.9	8.9	8.9
Unit Nominal Run Amps		A	504.3	534.3	579.0	607.5	619.6	635.6	647.7	562.3	590.6	619.1	635.1	647.2	659.3	347.9	349.5	355.6
Recommended Mains Fuse Size		A	560	560	630	630	670	670	670	630	630	670	670	670	710	400	400	400
Motor Rating		kW	6.2	6.2	6.2	6.2	6.2	8.4	8.4	6.2	6.2	6.2	8.4	8.4	8.4	4.4	4.4	4.4
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	11.2	11.2	11.2
Unit Nominal Run Amps		A	514.3	544.3	589.0	617.6	629.6	641.7	653.8	572.3	600.6	629.1	641.1	653.2	665.4	350.4	352.1	358.1
Recommended Mains Fuse Size		A	560	560	630	670	670	670	710	630	630	670	670	710	710	400	400	400
Motor Rating		kW	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	6.1	6.1	6.1
Standard Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	10.2	10.2	10.2	10.2	10.2	13.9	13.9	10.2	10.2	10.2	13.9	13.9	13.9	7.3	7.3	7.3
Unit Nominal Run Amps		A	501.6	531.7	576.2	604.6	616.7	631.7	643.9	559.6	587.8	616.1	631.2	643.3	655.5	345.2	347.1	352.9
Recommended Mains Fuse Size		A	560	560	630	630	670	670	670	630	630	670	670	670	710	400	400	400
Motor Rating		kW	6.4	6.4	6.4	6.4	6.4	8.6	8.6	6.4	6.4	6.4	8.6	8.6	8.6	4.5	4.5	4.5
Larger Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	10.1	10.1	10.1
Unit Nominal Run Amps		A	509.5	539.6	583.9	612.3	624.4	636.5	648.7	567.5	595.5	623.8	636.0	648.1	660.3	347.5	349.4	355.2
Recommended Mains Fuse Size		A	560	560	630	670	670	670	670	630	630	670	670	670	710	400	400	400
Motor Rating		kW	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	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

Unit Data			DCC051DX-12EYY0	DCC053DX-11DYV0	DCC056DX-12DVV0	DCC058DX-12DVW0	DCC061DX-12DWW0	DCC050DX-14EPV0	DCC052DX-14EYY0	DCC054DX-13DYV0	DCC057DX-14DVV0	DCC060DX-14DVW0	DCC063DX-14DWW0	DCC066TX-13GPPY	DCC070TX-14GPYY	DCC055DX-15DYV0	DCC059DX-16DVV0	DCC061DX-16DVW0
Nominal Run Amps	(1)	A	348.9	369.2	397.6	409.7	421.8	354.8	356.7	376.9	405.3	417.4	429.6	451.7	481.7	384.7	413.0	425.1
Maximum Start Amps		A	624.5	636.6	665.0	673.1	657.2	618.2	632.3	644.3	672.7	680.8	665.0	715.1	745.1	652.1	680.4	688.5
Recommended Mains Fuse Size		A	400	400	450	450	450	400	400	400	450	450	450	500	500	450	450	450
Evaporator																		
Immersion Heater Rating		W	170	170	170	170	170	170	170	170	170	170	170	250	250	170	170	170
Condenser Fan - Per Fan (EC)																		
Quantity			12	11	12	12	12	14	14	13	14	14	14	13	14	15	16	16
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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	55.2 / 59.2	59.2 / 59.2	59.2 / 55.2	47.9 / 47.9	47.9 / 55.2	55.2 / 55.2	55.2 / 59.2	59.2 / 59.2	59.2 / 59.2 / 47.9	59.2 / 47.9 / 47.9	47.9 / 55.2	55.2 / 55.2	55.2 / 59.2
Quantity			3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 3	3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	2 + 2 + 3	2 + 3 + 3	3 + 3	3 + 3	3 + 3
Motor Rating		kW	29.8 / 29.8	29.8 / 33.1	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 33.1	29.8 / 29.8	29.8 / 33.1	33.1 / 33.1	33.1 / 36.2	36.2 / 36.2	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 33.1	33.1 / 33.1	33.1 / 36.2
Sump Heater Rating		W	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 326	326 / 326	326 / 326	326 / 326	326 / 298	298 / 298	298 / 298 / 326	298 / 326 / 326	326 / 326	326 / 326	326 / 298

(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.

DCC Electrical Data - Extra Quiet

OPTIONAL EXTRAS			DCC051DX-12EYY0	DCC053DX-11DYV0	DCC056DX-12DVV0	DCC058DX-12DVW0	DCC061DX-12DWW0	DCC050DX-14EPV0	DCC052DX-14EYY0	DCC054DX-13DYV0	DCC057DX-14DVV0	DCC060DX-14DVW0	DCC063DX-14DWW0	DCC066TX-13GPPY	DCC070TX-14GPYY	DCC055DX-15DYV0	DCC059DX-16DVV0	DCC061DX-16DVW0
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	333.8	347.3	368.5	382.1	395.8	331.7	341.6	355.0	376.3	389.9	403.6	426.9	458.0	362.8	384.0	397.7
Reactive power reduction/saving	(4)	kVAr	28.6	39.8	51.0	48.9	46.8	41.2	28.6	39.8	51.0	49.0	46.9	45.5	44.1	39.8	51.1	49.0
Maximum Start Amps		A	609.4	614.7	635.9	645.5	631.2	595.1	617.2	622.4	643.7	653.3	639.0	690.3	721.4	630.2	651.4	661.1
Recommended Mains Fuse Size		A	400	400	450	450	450	400	400	400	450	450	450	500	500	450	450	450
Electronic Soft-start																		
Nominal Run Amps		A	348.9	369.2	397.6	409.7	421.8	354.8	356.7	376.9	405.3	417.4	429.6	451.7	481.7	384.7	413.0	425.1
Maximum Start Amps		A	494.1	506.2	534.6	542.7	538.0	487.8	501.9	513.9	542.3	550.4	545.8	584.7	614.7	521.7	550.0	558.1
Recommended Mains Fuse		A	400	400	450	450	450	400	400	400	450	450	450	500	500	450	450	450
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	333.8	347.3	368.5	382.1	395.8	331.7	341.6	355.0	376.3	389.9	403.6	426.9	458.0	362.8	384.0	397.7
Maximum Start Amps		A	479.0	484.3	505.5	515.1	512.0	464.7	486.8	492.0	513.3	522.9	519.8	559.9	591.0	499.8	521.0	530.7
Recommended Mains Fuse Size		A	400	400	450	450	450	400	400	400	450	450	450	500	500	450	450	450
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	8.9	8.9	8.9	11.2	11.2	8.9	8.9	8.9	8.9	11.2	11.2	11.2	11.2	8.9	11.2	11.2
Unit Nominal Run Amps		A	357.3	377.7	406.2	420.8	432.9	363.3	365.0	385.4	413.9	428.5	440.6	462.7	492.7	393.1	424.1	436.2
Recommended Mains Fuse Size		A	400	400	450	450	450	400	400	450	450	450	500	500	560	450	450	500
Motor Rating		kW	4.4	4.4	4.4	6.2	6.2	4.4	4.4	4.4	4.4	6.2	6.2	6.2	6.2	4.4	6.2	6.2
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.8	14.8	21.2	21.2	11.2	11.2	14.8
Unit Nominal Run Amps		A	359.8	380.2	408.7	420.7	432.8	365.8	367.6	387.9	416.4	432.1	444.2	472.7	502.6	395.7	424.1	439.8
Recommended Mains Fuse Size		A	400	400	450	450	450	400	400	450	450	450	500	500	560	450	450	500
Motor Rating		kW	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.4	8.4	12.1	12.1	6.1	6.1	8.4
Standard Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	7.3	7.3	7.3	10.2	10.2	7.3	7.3	7.3	7.3	10.2	10.2	10.2	10.2	7.3	10.2	10.2
Unit Nominal Run Amps		A	354.8	375.1	403.4	417.9	430.1	360.6	362.6	382.8	411.1	425.6	437.8	460.0	490.0	390.5	421.2	433.3
Recommended Mains Fuse Size		A	400	400	450	450	450	400	400	400	450	450	500	500	560	450	450	500
Motor Rating		kW	4.5	4.5	4.5	6.4	6.4	4.5	4.5	4.5	4.5	6.4	6.4	6.4	6.4	4.5	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.9	13.9	19.8	19.8	10.1	10.1	13.9
Unit Nominal Run Amps		A	357.2	377.4	405.7	417.8	430.0	362.9	365.0	385.1	413.4	428.5	440.7	467.8	497.9	392.8	421.1	436.3
Recommended Mains Fuse Size		A	400	400	450	450	450	400	400	450	450	450	500	500	560	450	450	500
Motor Rating		kW	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.6	8.6	12.4	12.4	6.3	6.3	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 - Extra Quiet

Unit Data			DCC065DX-16DWW0	DCC068TX-16GPPY	DCC075TX-15GYYY	DCC077TX-16GYYV	DCC072TX-17GPYY	DCC077TX-18GYYY	DCC080TX-17GYVV	DCC083TX-18GVVV	DCC086TX-18GVVW	DCC088TX-18GVWW	DCC091TX-18GWWW	DCC070TX-19GPPY	DCC074TX-20GPYY	DCC080TX-19GYYV	DCC082TX-20GYVV	DCC079TX-21GYYY
Nominal Run Amps	(1)	A	437.3	463.3	511.7	539.7	493.3	523.4	568.0	596.5	608.5	620.6	632.8	474.9	504.9	535.0	551.3	562.9
Maximum Start Amps		A	672.7	726.7	787.3	807.1	756.7	799.0	835.4	863.9	871.9	884.0	868.2	738.3	768.3	810.6	818.7	830.3
Recommended Mains Fuse Size		A	500	500	560	560	560	560	630	630	630	670	670	500	560	560	630	630
Evaporator																		
Immersion Heater Rating		W	170	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Condenser Fan - Per Fan (EC)																		
Quantity			16	16	15	16	17	18	17	18	18	18	18	19	20	21	19	22
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Compressor - Per Compressor																		
Nominal Run Amps		A	59.2 / 59.2	59.2 / 59.2 / 47.9	47.9 / 47.9 / 47.9	47.9 / 47.9 / 55.2	59.2 / 47.9 / 47.9	47.9 / 47.9 / 47.9	47.9 / 55.2 / 55.2	55.2 / 55.2 / 55.2	55.2 / 55.2 / 59.2	55.2 / 59.2 / 59.2	59.2 / 59.2 / 59.2	59.2 / 59.2 / 47.9	59.2 / 47.9 / 47.9	47.9 / 47.9 / 47.9	47.9 / 47.9 / 55.2	47.9 / 47.9 / 55.2
Quantity			3 + 3	2 + 2 + 3	3 + 3 + 3	3 + 3 + 3	2 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3	2 + 2 + 3	2 + 3 + 3	3 + 3 + 3	3 + 3 + 3	3 + 3 + 3
Motor Rating		kW	36.2 / 36.2	36.2 / 36.2 / 29.8	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1	36.2 / 29.8 / 29.8	29.8 / 29.8 / 29.8	29.8 / 33.1 / 33.1	33.1 / 33.1 / 33.1	33.1 / 33.1 / 36.2	33.1 / 36.2 / 36.2	36.2 / 36.2 / 36.2	36.2 / 36.2 / 29.8	36.2 / 29.8 / 29.8	29.8 / 29.8 / 29.8	29.8 / 29.8 / 33.1	29.8 / 29.8 / 33.1
Sump Heater Rating		W	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Start Amps	(2)	A	298 / 298	298 / 298 / 326	326 / 326 / 326	326 / 326 / 326	298 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298	298 / 298 / 326	298 / 326 / 326	326 / 326 / 326	326 / 326 / 326	326 / 326 / 326

(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.

DCC Electrical Data - Extra Quiet

OPTIONAL EXTRAS			DCC065DX-16DWW0	DCC068TX-16GPPY	DCC075TX-15GYYY	DCC077TX-16GYYV	DCC072TX-17GPYY	DCC077TX-18GYYY	DCC080TX-17GYVV	DCC083TX-18GVVV	DCC086TX-18GVVW	DCC088TX-18GVWW	DCC091TX-18GWWW	DCC070TX-19GPPY	DCC074TX-20GPYY	DCC080TX-19GYYV	DCC082TX-20GYVV	DCC079TX-21GYYY
Power Factor Correction (PF 0.98)	(3)																	
Nominal Run Amps		A	411.4	438.6	489.1	510.3	469.7	500.7	531.5	552.7	566.4	580.1	593.7	450.2	481.3	512.4	522.0	533.6
Reactive power reduction/saving	(4)	kVAr	46.9	45.6	42.8	54.0	44.2	42.8	65.2	76.5	74.4	72.3	70.3	45.6	44.3	42.9	54.1	54.1
Maximum Start Amps		A	646.8	702.0	764.7	777.7	733.1	776.3	798.9	820.1	829.8	843.5	829.1	713.6	744.7	788.0	789.4	801.0
Recommended Mains Fuse Size		A	500	500	560	560	560	560	630	630	630	670	670	500	560	560	630	630
Electronic Soft-start																		
Nominal Run Amps		A	437.3	463.3	511.7	539.7	493.3	523.4	568.0	596.5	608.5	620.6	632.8	474.9	504.9	535.0	551.3	562.9
Maximum Start Amps		A	553.5	596.3	656.9	676.7	626.3	668.6	705.0	733.5	741.5	753.6	749.0	607.9	637.9	680.2	688.3	699.9
Recommended Mains Fuse		A	500	500	560	560	560	560	630	630	630	670	670	500	560	560	630	630
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)																	
Nominal Run Amps		A	411.4	438.6	489.1	510.3	469.7	500.7	531.5	552.7	566.4	580.1	593.7	450.2	481.3	512.4	522.0	533.6
Maximum Start Amps		A	527.6	571.6	634.3	647.3	602.7	645.9	668.5	689.7	699.4	713.1	709.9	583.2	614.3	657.6	659.0	670.6
Recommended Mains Fuse Size		A	500	500	560	560	560	560	630	630	630	670	670	500	560	560	630	630
Standard Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	15.2	11.2	11.2	11.2	11.2	11.2
Unit Nominal Run Amps		A	448.3	474.3	522.7	550.7	504.3	534.3	579.0	607.5	619.6	631.7	647.7	485.9	515.9	545.9	562.3	573.9
Recommended Mains Fuse Size		A	500	500	560	630	560	560	630	630	670	670	670	560	560	560	630	630
Motor Rating		kW	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.4	6.2	6.2	6.2	6.2	6.2
Larger Head Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	14.8	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
Unit Nominal Run Amps		A	451.9	484.3	532.6	560.7	514.3	544.3	589.0	617.6	629.6	641.7	653.8	495.9	525.9	555.9	572.3	583.9
Recommended Mains Fuse Size		A	500	560	560	630	560	560	630	670	670	670	710	560	560	630	630	630
Motor Rating		kW	8.4	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	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	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	13.9	10.2	10.2	10.2	10.2	10.2
Unit Nominal Run Amps		A	445.5	471.6	520.1	548.0	501.6	531.7	576.2	604.6	616.7	628.8	643.9	483.2	513.3	543.4	559.6	571.2
Recommended Mains Fuse Size		A	500	500	560	630	560	560	630	630	670	670	670	560	560	560	630	630
Motor Rating		kW	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	6.4	6.4	6.4	6.4	6.4
Larger Head Inverter Pump (Single or Run/Standby)																		
Pump Full Load Amps		A	13.9	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
Unit Nominal Run Amps		A	448.5	479.5	528.0	555.8	509.5	539.6	583.9	612.3	624.4	636.5	648.7	491.1	521.2	551.3	567.5	579.1
Recommended Mains Fuse Size		A	500	500	560	630	560	560	630	670	670	670	670	560	560	630	630	630
Motor Rating		kW	8.6	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	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 Electrical Data - Extra Quiet

Unit Data			DCC081TX-22GYYV	DCC085TX-21GVVV	DCC088TX-21GVVW	DCC091TX-21GVWW	DCC094TX-21GWWW
Nominal Run Amps	(1)	A	579.6	608.0	620.1	632.2	644.4
Maximum Start Amps		A	847.0	875.4	883.5	895.6	879.8
Recommended Mains Fuse Size		A	630	630	670	670	670
Evaporator							
Immersion Heater Rating		W	250	250	250	250	250
Condenser Fan - Per Fan (EC)							
Quantity			20	21	21	21	21
Full Load Amps		A	3.9	3.9	3.9	3.9	3.9
Motor Rating		kW	2.6	2.6	2.6	2.6	2.56
Compressor - Per Compressor							
Nominal Run Amps		A	47.9 / 55.2 / 55.2	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	3 + 3 + 3
Motor Rating		kW	29.8 / 33.1 / 33.1	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	140
Start Amps	(2)	A	326 / 326 / 326	326 / 326 / 326	326 / 326 / 298	326 / 298 / 298	298 / 298 / 298

(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.

DCC Electrical Data - Extra Quiet

OPTIONAL EXTRAS			DCC081TX-22GYYV	DCC085TX-21GVVV	DCC088TX-21GVVW	DCC091TX-21GVWW	DCC094TX-21GWWW
Power Factor Correction (PF 0.98)	(3)						
Nominal Run Amps		A	543.2	564.4	578.0	591.7	605.4
Reactive power reduction/saving	(4)	kVAr	65.3	76.6	74.5	72.4	70.3
Maximum Start Amps		A	810.6	831.8	841.4	855.1	840.8
Recommended Mains Fuse Size		A	630	630	670	670	670
Electronic Soft-start							
Nominal Run Amps		A	579.6	608.0	620.1	632.2	644.35
Maximum Start Amps		A	716.6	745.0	753.1	765.2	760.55
Recommended Mains Fuse		A	630	630	670	670	670
Power Factor Correction (PF 0.98) & Electronic Soft Start	(3)						
Nominal Run Amps		A	543.2	564.4	578.0	591.7	605.40
Maximum Start Amps		A	680.2	701.4	711.0	724.7	721.60
Recommended Mains Fuse Size		A	630	630	670	670	670
Standard Head Pump (Single or Run/Standby)							
Pump Full Load Amps		A	11.2	11.2	11.2	15.2	15.2
Unit Nominal Run Amps		A	590.6	619.1	631.1	647.2	659.31
Recommended Mains Fuse Size		A	630	670	670	670	710
Motor Rating		kW	6.2	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	21.2
Unit Nominal Run Amps		A	600.6	629.1	641.1	653.2	665.4
Recommended Mains Fuse Size		A	630	670	670	710	710
Motor Rating		kW	12.1	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	10.2	13.9	13.9
Unit Nominal Run Amps		A	587.8	616.1	628.2	643.3	655.5
Recommended Mains Fuse Size		A	630	670	670	670	710
Motor Rating		kW	6.4	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	19.8
Unit Nominal Run Amps		A	595.5	623.8	636.0	648.1	660.3
Recommended Mains Fuse Size		A	630	670	670	670	710
Motor Rating		kW	12.4	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	94.5	96.6	94.8	89.5	87.6	84.7	83.2	78.9	93.5
		Pressure	62.1	64.2	62.4	57.1	55.2	52.3	50.7	46.5	61.1
99	DCC049DR-08EYY0	Power	96.7	96.2	93.4	88.8	87.9	85.5	84.6	70.0	93.4
		Pressure	64.3	63.8	60.9	56.4	55.4	53.1	52.2	37.6	61.0
100	DCC052DR-09DYV0	Power	96.6	96.4	94.5	89.1	88.0	85.6	84.3	79.0	93.8
		Pressure	64.1	63.9	61.9	56.5	55.4	53.1	51.8	46.5	61.2
101	DCC056DR-10DVV0	Power	96.6	96.8	95.4	89.3	88.2	85.9	84.5	81.7	94.2
		Pressure	64.0	64.3	62.9	56.8	55.6	53.4	52.0	49.2	61.6
102	DCC058DR-10DVW0	Power	95.1	97.8	95.8	90.7	88.8	86.0	84.8	78.9	94.7
		Pressure	62.6	65.3	63.3	58.2	56.2	53.4	52.2	46.4	62.1
103	DCC061DR-10DWW0	Power	93.0	98.7	96.2	91.8	89.4	86.0	85.1	68.7	95.1
		Pressure	60.4	66.1	63.7	59.2	56.8	53.5	52.5	36.1	62.6
104	DCC065TR-10GPPY	Power	95.6	98.3	95.8	91.3	89.3	86.2	85.4	69.9	95.0
		Pressure	63.0	65.8	63.2	58.8	56.7	53.7	52.8	37.4	62.4
105	DCC069TR-11GPYY	Power	97.3	98.2	95.5	91.0	89.5	86.8	85.9	71.0	95.1
		Pressure	64.6	65.5	62.8	58.3	56.8	54.1	53.2	38.3	62.4
106	DCC074TR-12GYYY	Power	98.5	98.0	95.1	90.6	89.6	87.3	86.3	71.8	95.2
		Pressure	65.8	65.3	62.4	57.9	56.9	54.6	53.7	39.1	62.5
107	DCC077TR-13GYYV	Power	98.4	98.1	95.9	90.7	89.7	87.3	86.2	79.3	95.4
		Pressure	65.6	65.3	63.1	57.9	56.9	54.5	53.4	46.5	62.6
108	DCC080TR-14GYVV	Power	98.4	98.3	96.6	90.9	89.8	87.4	86.0	81.9	95.6
		Pressure	65.6	65.5	63.8	58.1	57.0	54.6	53.2	49.1	62.8
109	DCC083TR-15GVVV	Power	98.3	98.4	97.1	91.0	89.8	87.5	85.8	83.5	95.8
		Pressure	65.4	65.5	64.2	58.1	56.9	54.6	52.9	50.6	62.9
110	DCC086TR-15GVVW	Power	97.4	99.3	97.5	92.1	90.3	87.7	86.4	81.9	96.3
		Pressure	64.5	66.4	64.5	59.1	57.4	54.8	53.5	48.9	63.3
111	DCC088TR-15GVWW	Power	96.3	99.9	97.7	92.9	90.7	87.7	86.6	79.1	96.6
		Pressure	63.4	67.0	64.8	60.0	57.8	54.8	53.7	46.2	63.7
112	DCC091TR-15GWWW	Power	94.7	100.5	98.0	93.6	91.1	87.8	86.8	70.5	96.9
		Pressure	61.8	67.5	65.1	60.6	58.2	54.8	53.9	37.5	64.0
113	DCC049DR-10EPV0	Power	94.0	95.6	94.5	89.1	86.9	82.8	80.4	78.9	92.5
		Pressure	61.5	63.1	61.9	56.5	54.4	50.2	47.9	46.3	60.0
114	DCC051DR-10EYY0	Power	96.4	95.3	93.1	88.5	87.5	84.2	82.0	70.3	92.6
		Pressure	63.9	62.8	60.6	55.9	54.9	51.6	49.5	37.8	60.0
115	DCC054DR-11DYV0	Power	96.2	95.0	93.9	88.4	87.1	83.5	81.1	79.0	92.5
		Pressure	63.5	62.4	61.3	55.7	54.4	50.8	48.5	46.4	59.8
116	DCC058DR-12DVV0	Power	96.0	94.6	94.6	88.2	86.5	82.4	79.7	81.7	92.2
		Pressure	63.3	61.9	61.9	55.5	53.8	49.8	47.1	49.1	59.6
117	DCC060DR-12DVW0	Power	94.5	96.8	95.4	90.2	88.0	83.8	81.3	79.0	93.5
		Pressure	61.8	64.1	62.7	57.6	55.3	51.1	48.7	46.3	60.9
118	DCC063DR-12DWW0	Power	92.2	98.3	96.2	91.7	89.2	85.0	82.7	69.1	94.6
		Pressure	59.5	65.6	63.5	59.0	56.5	52.3	50.0	36.4	61.9

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

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	95.2	98.0	95.8	91.3	89.2	85.5	83.2	70.3	94.6
		Pressure	62.4	65.2	63.0	58.5	56.4	52.7	50.4	37.5	61.8
120	DCC072TR-14GPYY	Power	96.9	97.5	95.4	90.8	89.2	85.7	83.5	71.3	94.4
		Pressure	64.1	64.7	62.6	58.0	56.4	52.9	50.7	38.5	61.6
121	DCC077TR-15GYYY	Power	98.2	97.2	95.0	90.3	89.3	86.2	84.0	72.1	94.5
		Pressure	65.3	64.3	62.1	57.4	56.4	53.2	51.0	39.2	61.5
122	DCC080TR-16GYYV	Power	98.0	96.9	95.5	90.2	89.0	85.6	83.3	79.3	94.3
		Pressure	65.1	64.0	62.5	57.3	56.1	52.6	50.3	46.4	61.4
123	DCC082TR-17GYVV	Power	97.9	96.6	95.9	90.0	88.6	84.9	82.5	81.9	94.1
		Pressure	64.8	63.6	62.9	57.0	55.6	51.8	49.4	48.9	61.1
124	DCC085TR-18GVVV	Power	97.7	96.3	96.3	89.9	88.2	84.1	81.4	83.5	93.9
		Pressure	64.7	63.2	63.3	56.8	55.1	51.0	48.4	50.5	60.9
125	DCC088TR-18GVVW	Power	96.8	97.9	96.9	91.4	89.3	85.2	82.6	81.9	94.9
		Pressure	63.7	64.9	63.9	58.4	56.3	52.1	49.6	48.8	61.9
126	DCC091TR-18GVWW	Power	95.6	99.1	97.4	92.5	90.2	86.0	83.5	79.2	95.7
		Pressure	62.5	66.0	64.4	59.5	57.1	52.9	50.5	46.1	62.6
127	DCC094TR-18GWWW	Power	93.9	100.0	97.9	93.4	90.9	86.6	84.3	70.8	96.3
		Pressure	60.8	67.0	64.9	60.4	57.8	53.6	51.3	37.8	63.3
128	DCC050DR-12EPV0	Power	93.8	94.7	93.8	88.5	85.7	80.3	79.3	78.8	91.5
		Pressure	61.1	62.0	61.2	55.9	53.0	47.7	46.6	46.2	58.8
129	DCC052DR-12EYY0	Power	96.2	94.0	92.2	87.7	86.3	82.1	81.2	70.0	91.4
		Pressure	63.6	61.4	59.5	55.0	53.6	49.4	48.5	37.3	58.7
130	DCC056DR-13DYV0	Power	96.1	93.8	93.2	87.6	85.8	81.4	80.3	79.0	91.4
		Pressure	63.3	61.0	60.4	54.8	53.0	48.6	47.5	46.2	58.6
131	DCC059DR-14DVV0	Power	95.9	93.8	94.1	87.6	85.4	80.8	79.4	81.7	91.5
		Pressure	63.1	61.0	61.3	54.8	52.6	48.0	46.6	48.9	58.7
132	DCC061DR-14DVW0	Power	94.2	95.9	94.9	89.7	86.9	81.6	80.3	78.9	92.6
		Pressure	61.4	63.1	62.1	56.9	54.1	48.8	47.5	46.1	59.8
133	DCC065DR-14DWW0	Power	91.4	97.5	95.7	91.2	88.3	82.6	81.2	68.8	93.7
		Pressure	58.6	64.7	62.9	58.4	55.5	49.8	48.3	36.0	60.9
134	DCC070TR-16GPPY	Power	94.8	96.8	95.0	90.6	88.0	82.6	81.8	69.9	93.3
		Pressure	61.8	63.9	62.1	57.7	55.0	49.7	48.8	36.9	60.4
135	DCC074TR-17GPYY	Power	96.7	96.3	94.5	90.1	88.0	83.3	82.4	70.9	93.2
		Pressure	63.6	63.3	61.4	57.0	54.9	50.2	49.3	37.8	60.2
136	DCC079TR-18GYYY	Power	98.0	95.7	93.8	89.4	87.9	83.7	82.9	71.7	93.0
		Pressure	64.9	62.7	60.8	56.3	54.9	50.7	49.9	38.6	60.0
137	DCC082TR-19GYYV	Power	97.9	95.6	94.6	89.4	87.6	83.3	82.4	79.2	93.1
		Pressure	64.7	62.5	61.4	56.2	54.5	50.2	49.2	46.1	59.9
138	DCC084TR-20GYVV	Power	97.8	95.6	95.2	89.4	87.4	82.9	81.8	81.9	93.1
		Pressure	64.6	62.4	62.1	56.2	54.2	49.8	48.6	48.7	60.0
139	DCC087TR-21GVVV	Power	97.7	95.5	95.8	89.4	87.1	82.5	81.1	83.5	93.2
		Pressure	64.4	62.2	62.5	56.1	53.8	49.2	47.9	50.2	59.9
140	DCC090TR-21GVVW	Power	96.6	97.1	96.4	90.9	88.3	83.1	81.8	81.8	94.0
		Pressure	63.3	63.8	63.1	57.6	55.0	49.8	48.5	48.6	60.8
141	DCC093TR-21GVWW	Power	95.2	98.2	96.9	92.0	89.1	83.6	82.3	79.1	94.7
		Pressure	61.9	64.9	63.6	58.8	55.9	50.3	49.1	45.8	61.5

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	93.1	99.1	97.3	92.9	89.9	84.0	82.8	70.4	95.3
		Pressure	59.8	65.8	64.0	59.6	56.6	50.7	49.6	37.1	62.1
143	DCC048DX-10EPV0	Power	93.6	93.1	93.2	81.8	81.2	73.0	71.0	78.7	88.0
		Pressure	61.1	60.6	60.7	49.2	48.6	40.4	38.4	46.2	55.4
144	DCC049DX-10EYY0	Power	95.9	91.9	90.1	81.0	81.0	74.0	73.0	68.3	86.3
		Pressure	63.3	59.4	57.6	48.5	48.4	41.5	40.5	35.8	53.8
145	DCC053DX-11DYV0	Power	95.8	91.8	92.1	81.2	80.9	73.9	72.2	78.8	87.4
		Pressure	63.2	59.1	59.4	48.5	48.2	41.2	39.6	46.2	54.7
146	DCC056DX-12DVV0	Power	95.8	91.6	93.4	81.3	80.8	73.7	71.3	81.7	88.3
		Pressure	63.1	58.9	60.8	48.6	48.1	41.0	38.6	49.0	55.6
147	DCC058DX-12DVW0	Power	94.0	94.3	94.1	82.8	82.2	73.8	71.9	78.8	88.9
		Pressure	61.3	61.6	61.5	50.1	49.6	41.1	39.2	46.1	56.2
148	DCC061DX-12DWW0	Power	90.9	96.0	94.8	83.9	83.3	73.8	72.4	66.3	89.4
		Pressure	58.3	63.3	62.1	51.2	50.6	41.1	39.7	33.6	56.7
149	DCC066TX-13GPPY	Power	94.4	95.3	94.0	83.6	83.1	74.6	73.3	67.9	89.0
		Pressure	61.6	62.5	61.2	50.8	50.3	41.8	40.5	35.1	56.2
150	DCC070TX-14GPYY	Power	96.3	94.6	93.1	83.2	82.9	75.2	74.1	69.1	88.6
		Pressure	63.5	61.8	60.3	50.4	50.1	42.4	41.3	36.3	55.8
151	DCC075TX-15GYYY	Power	97.7	93.7	91.9	82.8	82.8	75.8	74.8	70.1	88.1
		Pressure	64.7	60.7	59.0	49.9	49.8	42.9	41.9	37.1	55.2
152	DCC077TX-16GYYV	Power	97.6	93.6	93.3	82.9	82.7	75.7	74.3	79.0	88.8
		Pressure	64.7	60.6	60.4	50.0	49.8	42.8	41.4	46.1	55.9
153	DCC080TX-17GYVV	Power	97.6	93.5	94.3	83.0	82.6	75.6	73.7	81.8	89.5
		Pressure	64.5	60.4	61.3	49.9	49.6	42.5	40.7	48.7	56.4
154	DCC083TX-18GVVV	Power	97.5	93.4	95.2	83.1	82.5	75.5	73.0	83.4	90.0
		Pressure	64.5	60.3	62.2	50.0	49.5	42.4	40.0	50.4	57.0
155	DCC086TX-18GVVW	Power	96.4	95.3	95.7	84.1	83.6	75.5	73.4	81.7	90.5
		Pressure	63.4	62.3	62.6	51.1	50.5	42.5	40.4	48.7	57.4
156	DCC088TX-18GVWW	Power	95.0	96.7	96.1	85.0	84.4	75.5	73.8	78.9	90.8
		Pressure	61.9	63.7	63.1	51.9	51.3	42.5	40.8	45.9	57.8
157	DCC091TX-18GWWW	Power	92.7	97.7	96.5	85.7	85.1	75.6	74.1	68.1	91.2
		Pressure	59.7	64.7	63.5	52.6	52.0	42.5	41.1	35.0	58.1
158	DCC049DX-12EPV0	Power	93.6	93.2	93.3	82.0	81.4	73.5	71.1	78.7	88.1
		Pressure	61.0	60.5	60.6	49.3	48.7	40.8	38.4	46.1	55.5
159	DCC051DX-12EYY0	Power	95.9	92.1	90.3	81.3	81.2	74.5	73.1	68.3	86.6
		Pressure	63.2	59.4	57.6	48.7	48.6	41.8	40.4	35.7	53.9
160	DCC054DX-13DYV0	Power	95.8	91.9	92.2	81.5	81.1	74.3	72.3	78.9	87.6
		Pressure	63.0	59.1	59.4	48.7	48.3	41.5	39.5	46.1	54.8
161	DCC057DX-14DVV0	Power	95.8	91.8	93.5	81.6	81.0	74.2	71.4	81.7	88.4
		Pressure	63.0	59.0	60.7	48.8	48.2	41.4	38.6	48.9	55.6

1 dB(A) is the overall sound level, measured on the A scale.
2 All sound data measured at nominal conditions: Water in/out 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	DCC060DX-14DVW0	Power	94.0	94.4	94.2	83.0	82.4	74.2	72.0	78.8	89.0
		Pressure	61.2	61.6	61.4	50.2	49.6	41.4	39.2	46.0	56.2
163	DCC063DX-14DWW0	Power	91.0	96.0	94.8	84.1	83.5	74.3	72.5	66.4	89.5
		Pressure	58.2	63.2	62.0	51.3	50.7	41.5	39.7	33.6	56.7
164	DCC068TX-16GPPY	Power	94.5	95.4	94.1	83.8	83.4	75.1	73.4	68.0	89.2
		Pressure	61.5	62.5	61.2	50.9	50.4	42.2	40.5	35.1	56.3
165	DCC072TX-17GPYY	Power	96.4	94.7	93.2	83.5	83.2	75.7	74.2	69.2	88.8
		Pressure	63.3	61.7	60.2	50.4	50.1	42.7	41.2	36.1	55.7
166	DCC077TX-18GYYY	Power	97.7	93.8	92.1	83.1	83.0	76.2	74.9	70.1	88.3
		Pressure	64.6	60.8	59.0	50.1	49.9	43.2	41.8	37.1	55.3
167	DCC080TX-19GYYV	Power	97.6	93.7	93.4	83.2	82.9	76.1	74.4	79.0	89.0
		Pressure	64.5	60.6	60.3	50.0	49.8	43.0	41.2	45.9	55.9
168	DCC082TX-20GYVV	Power	97.6	93.6	94.5	83.3	82.9	76.0	73.8	81.8	89.7
		Pressure	64.4	60.5	61.3	50.1	49.7	42.9	40.6	48.6	56.5
169	DCC085TX-21GVVV	Power	97.5	93.5	95.3	83.3	82.8	75.9	73.1	83.4	90.2
		Pressure	64.3	60.3	62.0	50.1	49.5	42.7	39.9	50.2	56.9
170	DCC088TX-21GVVW	Power	96.4	95.5	95.8	84.3	83.8	76.0	73.5	81.7	90.6
		Pressure	63.2	62.2	62.5	51.1	50.5	42.7	40.3	48.5	57.3
171	DCC091TX-21GVWW	Power	95.0	96.8	96.2	85.2	84.5	76.0	73.9	78.9	90.9
		Pressure	61.7	63.5	62.9	51.9	51.3	42.7	40.6	45.6	57.7
172	DCC094TX-21GWWW	Power	92.7	97.8	96.6	85.8	85.2	76.0	74.2	68.1	91.3
		Pressure	59.5	64.5	63.3	52.6	52.0	42.8	41.0	34.9	58.0
173	DCC050DX-14EPV0	Power	93.7	93.3	93.4	82.2	81.6	74.0	71.2	78.7	88.3
		Pressure	60.9	60.5	60.6	49.4	48.8	41.2	38.4	45.9	55.5
174	DCC052DX-14EYY0	Power	95.9	92.2	90.5	81.6	81.5	74.9	73.2	68.4	86.8
		Pressure	63.1	59.4	57.7	48.8	48.7	42.1	40.4	35.6	54.0
175	DCC055DX-15DYV0	Power	95.9	92.1	92.3	81.7	81.4	74.7	72.4	78.9	87.8
		Pressure	62.9	59.2	59.4	48.8	48.4	41.8	39.5	45.9	54.8
176	DCC059DX-16DVV0	Power	95.8	91.9	93.6	81.8	81.3	74.6	71.5	81.7	88.6
		Pressure	62.9	59.0	60.7	48.9	48.3	41.7	38.6	48.7	55.6
177	DCC061DX-16DVW0	Power	94.0	94.5	94.3	83.2	82.6	74.6	72.1	78.8	89.1
		Pressure	61.1	61.6	61.4	50.3	49.7	41.7	39.1	45.9	56.2
178	DCC065DX-16DWW0	Power	91.0	96.1	94.9	84.2	83.6	74.7	72.6	66.4	89.6
		Pressure	58.1	63.2	62.0	51.3	50.7	41.8	39.6	33.5	56.7
179	DCC070TX-19GPPY	Power	94.5	95.6	94.2	84.1	83.6	75.6	73.5	68.1	89.4
		Pressure	61.3	62.4	61.1	50.9	50.4	42.5	40.4	34.9	56.2
180	DCC074TX-20GPYY	Power	96.4	94.8	93.3	83.7	83.4	76.2	74.3	69.2	89.0
		Pressure	63.2	61.7	60.2	50.6	50.2	43.0	41.1	36.1	55.8
181	DCC079TX-21GYYY	Power	97.7	94.0	92.3	83.4	83.2	76.6	74.9	70.1	88.5
		Pressure	64.4	60.7	59.0	50.1	49.9	43.3	41.7	36.9	55.3
182	DCC081TX-22GYYV	Power	97.6	93.9	93.6	83.5	83.2	76.5	74.4	79.0	89.2
		Pressure	64.4	60.6	60.3	50.2	49.9	43.3	41.2	45.8	55.9

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

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.

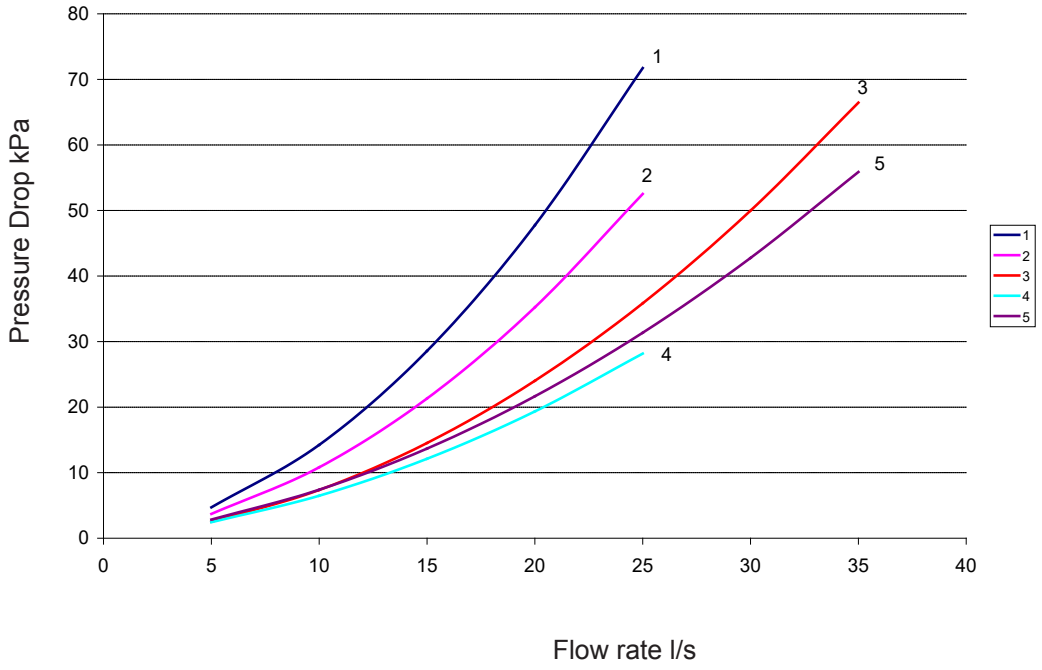
DCC Evaporator Pressure Drop

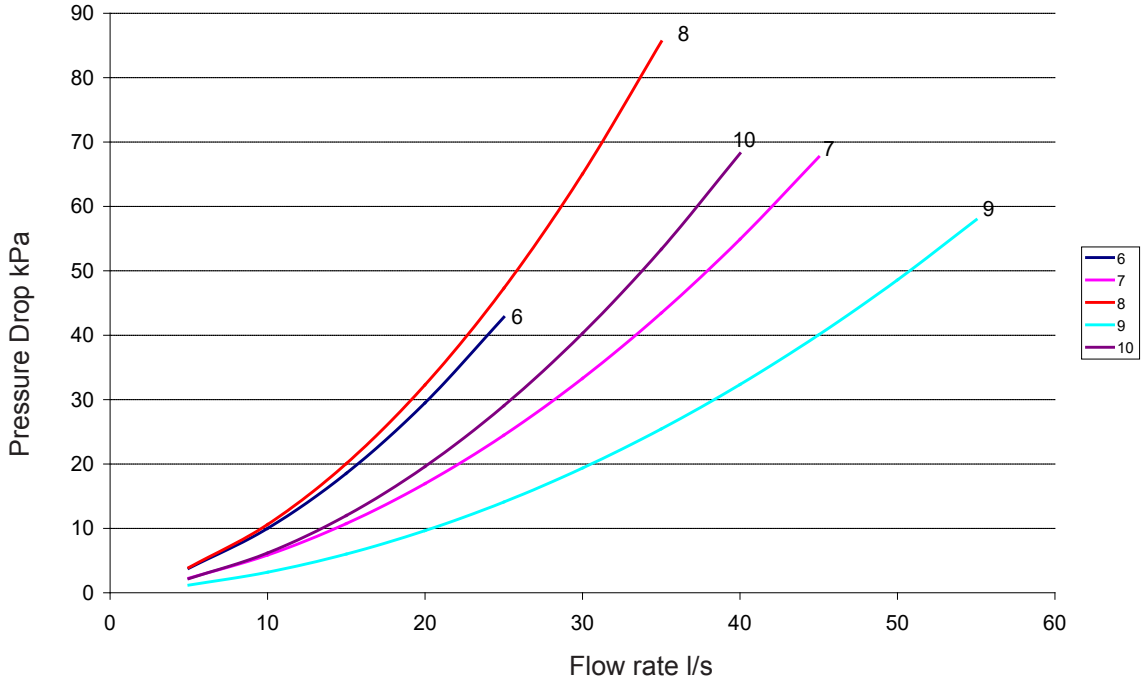
	Units	Evap Num
98	DCC047DR-08EPV0	2
99	DCC049DR-08EYY0	2
100	DCC049DR-10EPV0	2
101	DCC051DR-10EYY0	2
102	DCC052DR-09DYV0	4
103	DCC056DR-10DVV0	6
104	DCC058DR-10DVW0	5
105	DCC061DR-10DWW0	8
106	DCC065TR-10GPPY	12
107	DCC050DR-12EPV0	2
108	DCC052DR-12EYY0	2
109	DCC054DR-11DYV0	4
110	DCC058DR-12DVV0	6
111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

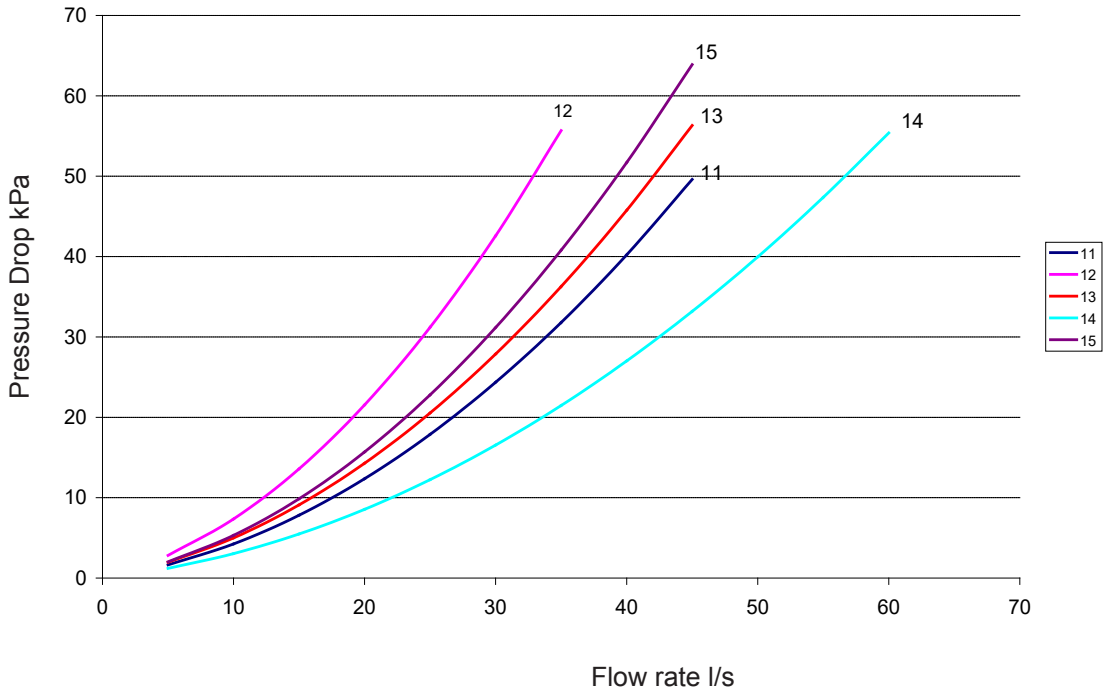
Evaporator Pressure Drop Curves (Water)

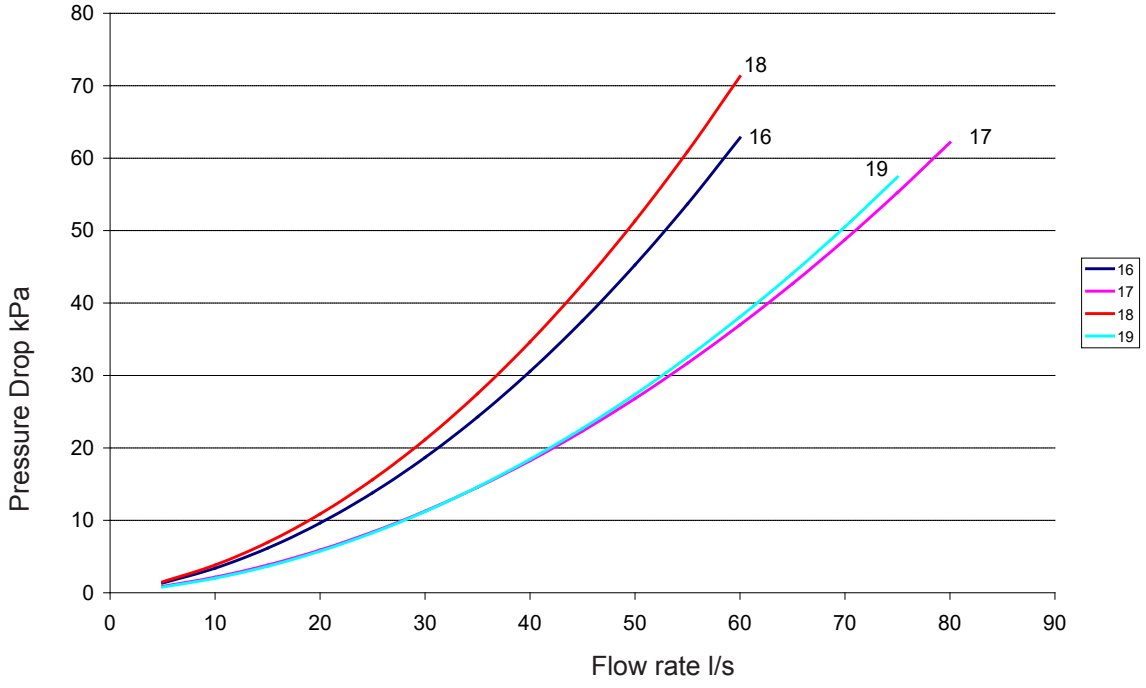




Hydraulic Data

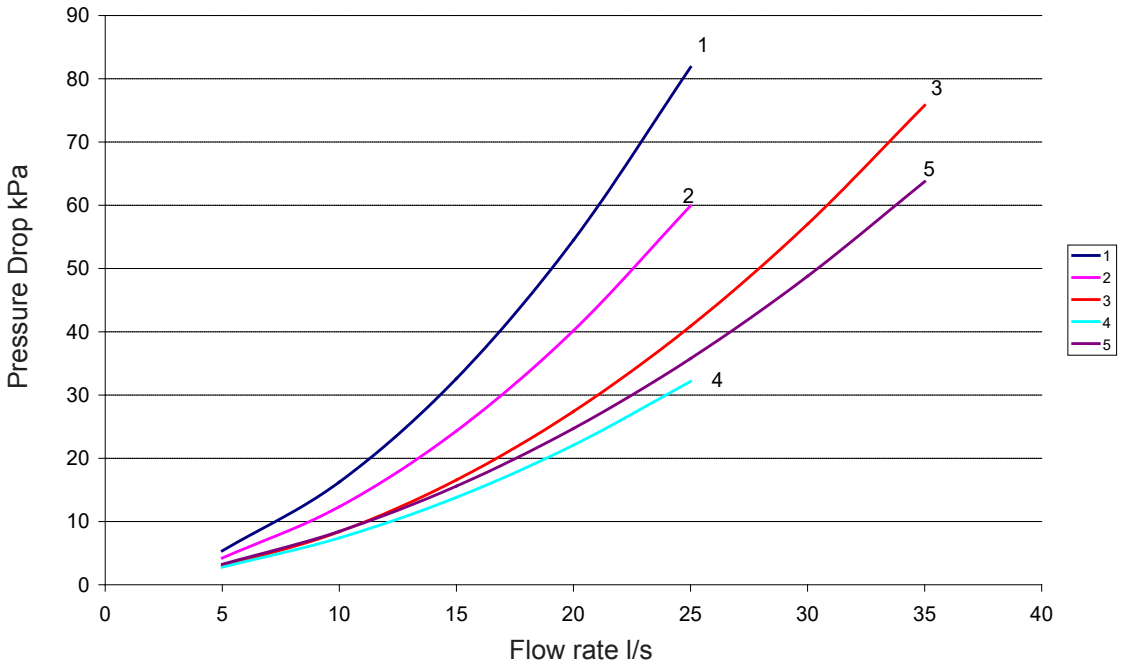
Evaporator Pressure Drop (Water)

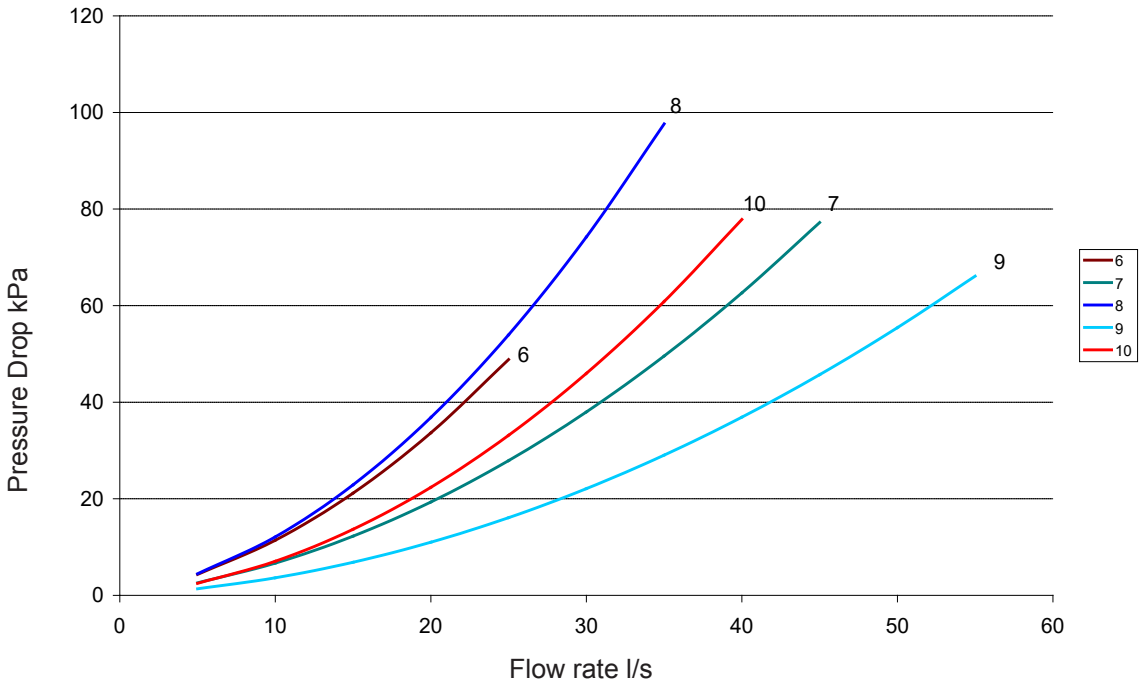




Hydraulic Data

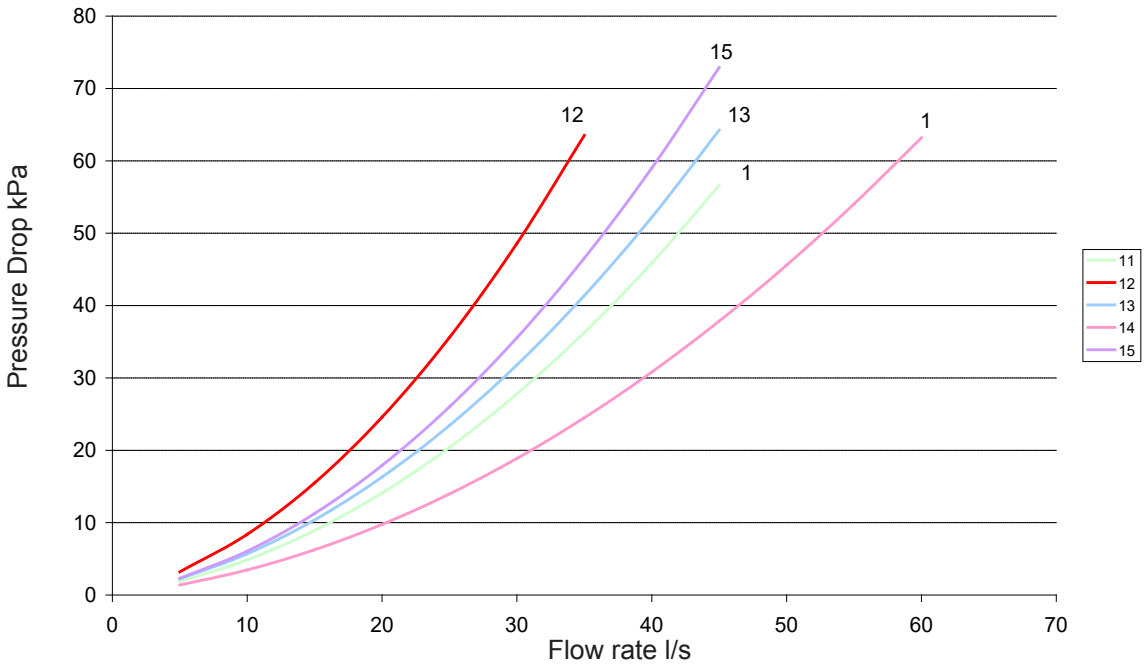
Evaporator Pressure Drop Curves (20% Ethylene Glycol)

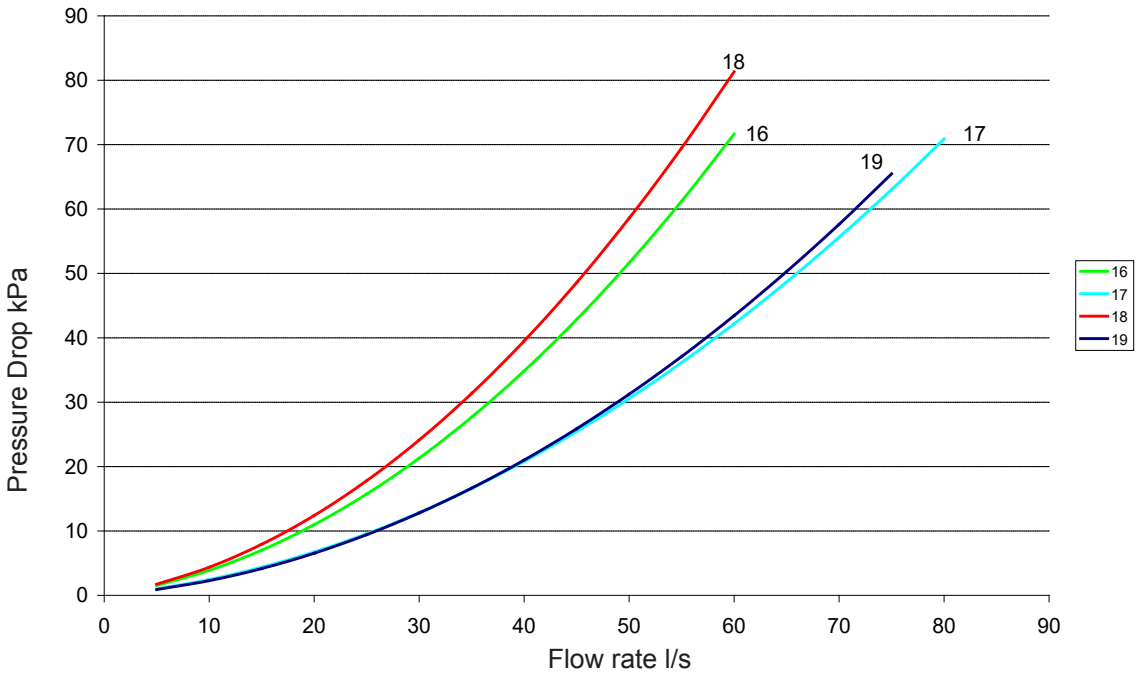




Hydraulic Data

Evaporator Pressure Drop Curves (20% Ethylene Glycol)





Hydraulic Data

DCF Unit Pressure Drop

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

	Unit	Waterflow(l/s)																							
		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

DCF Unit Pressure Drop

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

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

DCF units are at 20% Ethylene Glycol

DCF Unit Pressure Drop

Unit waterside pressure drop based upon 100% water.

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

DCC Units with 100% Water

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

DCC Units with 100% Water

		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)																							
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

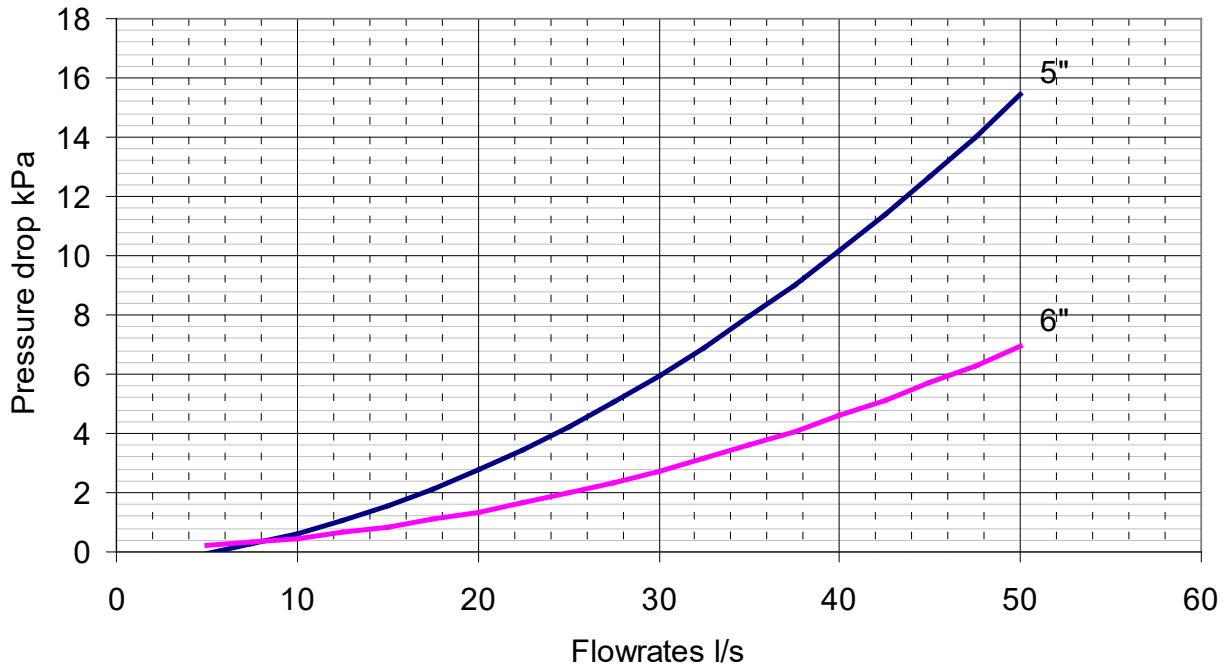
DCC Units with 100% Water

		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)																							
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

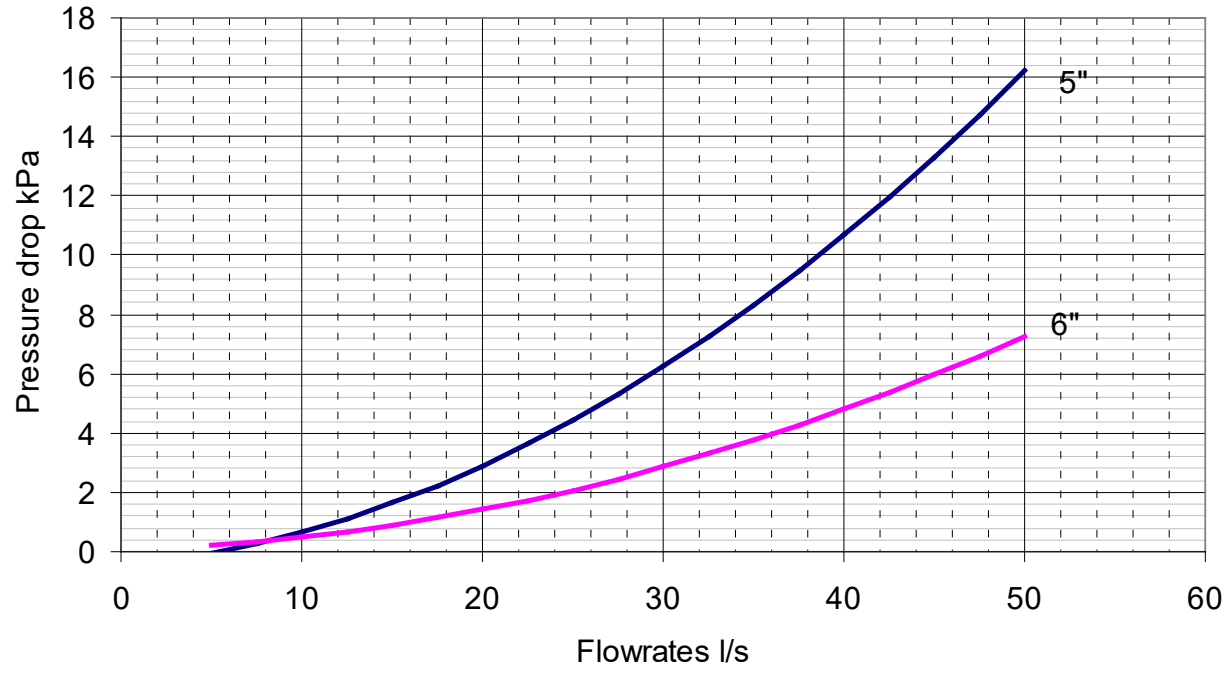
DCC Units with 100% Water

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

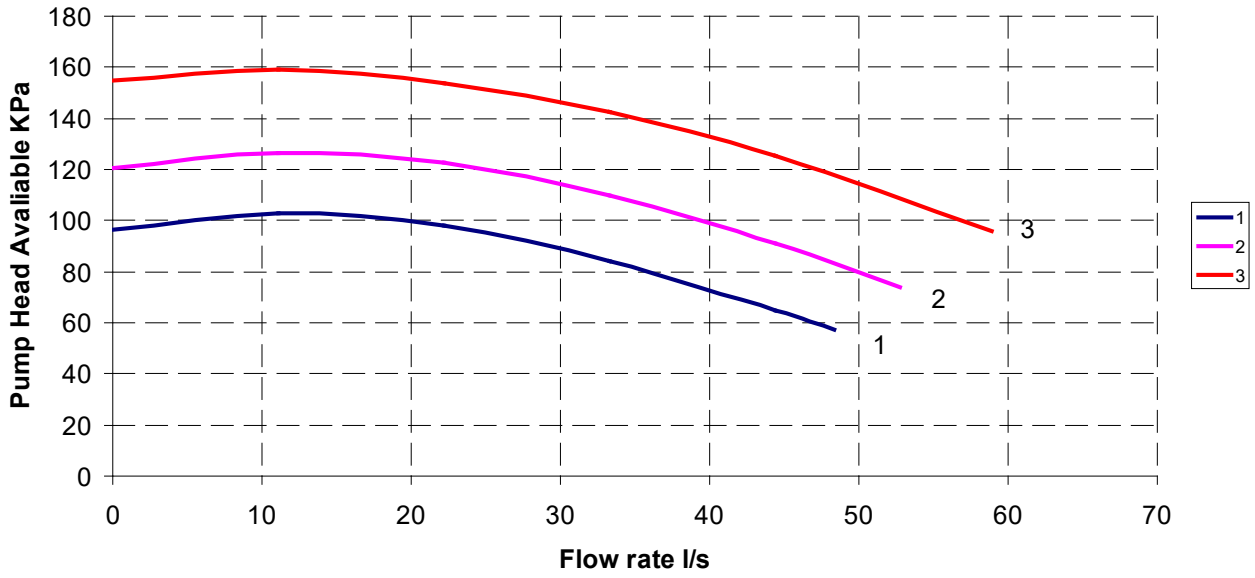
		Standard Head	High Head
50	DCF101TR-21HVWW	9	10
51	DCF103TR-21HWWW	9	10
52	DCF047DX-09DXY0	5	6
53	DCF049DX-09DPY0	5	6
54	DCF051DX-10DPV0	5	6
55	DCF053DX-10DYY0	5	6
56	DCF049DX-11DXY0	5	6
57	DCF051DX-11DPY0	5	6
58	DCF053DX-12DPV0	5	6
59	DCF055DX-11DYV0	7	8
60	DCF055DX-12DYY0	5	6
61	DCF058DX-12DVV0	7	8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

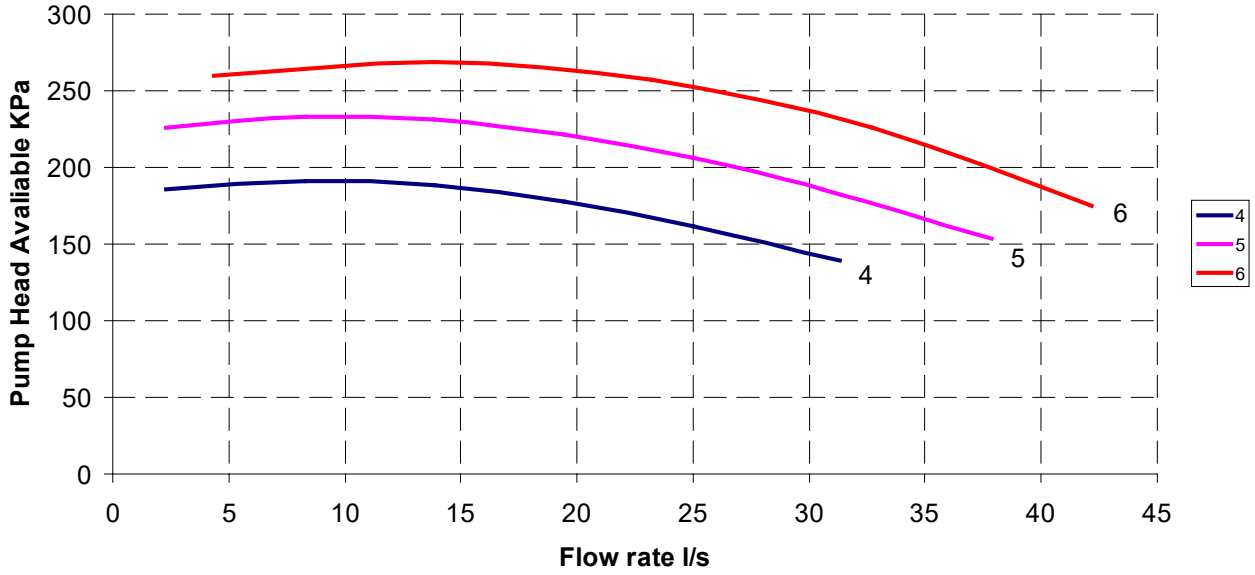
Pump Performance Curves

		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

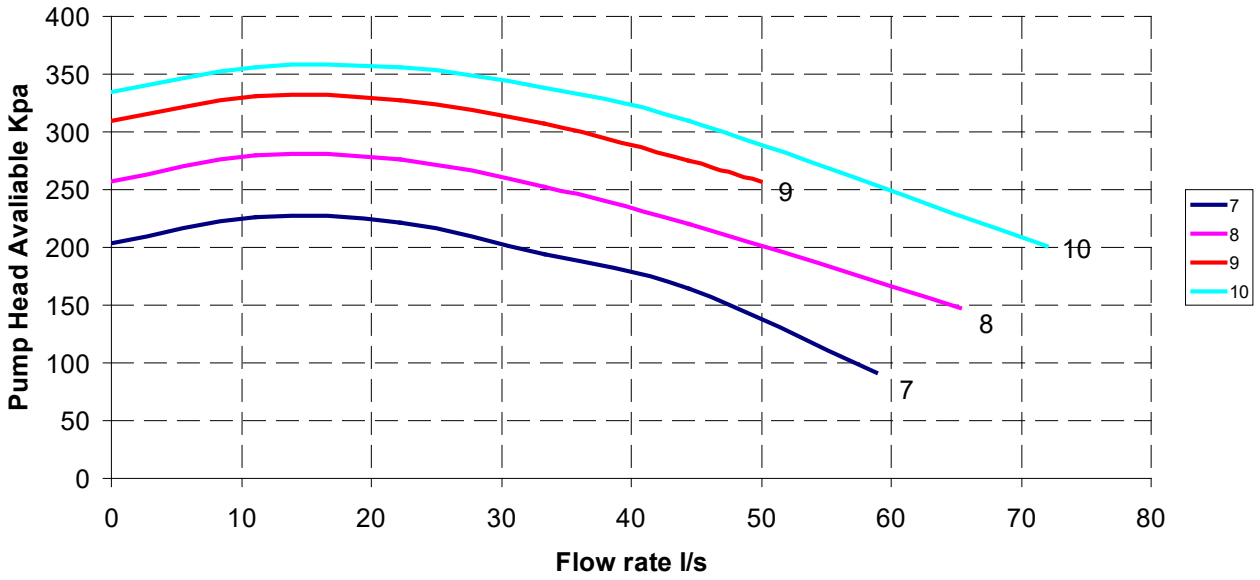
Pump Performance Curves





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)	Evaporator 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 DCF

Ecodesign

	Notes:	Units	DCF046DR-07DXY0	DCF048DR-07DPY0	DCF051DR-08DPV0
SEPR	1,3,5		5.52	5.37	5.44
SEPR Tier			Tier 2 (2021)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	591809	628008	654067
Rated Refrigerant Capacity P_A	1,3,5	kW	440.8	455.1	480.2
Rated Power Input D_A		kW	170.9	176.4	180.5
Rated $EER_{DC,A}$			2.58	2.58	2.66
Declared Refrigerant Capacity P_B	1,3,5	kW	499.7 / 410.8	427.1 / 333.4	540.6 / 442.8
Declared Power Input D_B		kW	143.1 / 113.2	118.1 / 91.3	149.9 / 119.6
Declared $EER_{DC,B}$			3.49 / 3.63	3.62 / 3.65	3.61 / 3.70
Declared Refrigerant Capacity P_C	1,3,5	kW	445.8 / 371.7	464.8 / 363.5	481.8 / 371.7
Declared Power Input D_C		kW	95.5 / 75.9	100.0 / 77.4	101.1 / 78.3
Declared $EER_{DC,C}$			4.67 / 4.90	4.65 / 4.69	4.76 / 4.75
Declared Refrigerant Capacity P_D	1,3,5	kW	351.9 / 286.9	363.3 / 256.1	383.4 / 263.5
Declared Power Input D_D		kW	46.2 / 46.2	49.1 / 40.6	51.5 / 41.8
Declared $EER_{DC,D}$			7.62 / 6.21	7.40 / 6.30	7.44 / 6.31

SSCEE	2,3,5		151.7	144.1	145.8
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		441.5	455.9	481
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	440.8	455.1	480.2
Declared EER_d 35°C			2.58	2.58	2.66
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	338.2 / 245.5	420.5 / 326.4	436.0 / 333.7
Declared EER_d 30°C			3.39 / 3.50	3.23 / 3.25	3.30 / 3.28
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	270.2 / 191.4	241.0 / 131.2	249.2 / 131.1
Declared EER_d 25°C			4.18 / 4.39	4.28 / 3.92	4.34 / 3.90
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	208.8 / 91.2	143.2 / 0.0	143.1 / 0.0
Declared EER_d 20°C			5.17 / 4.72	4.58 / 0	4.55 / 0
Sound Power Level LWA		dB(A)	92	92	93
Air flow rate		m³/h	148125	148125	169286
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.473	4.099	4.308
Standby Mode P_{SB}		kW	0.233	0.221	0.224
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 DCF

Ecodesign

	Notes:	Units	DCF053DR-08DYY0	DCF049DR-09DXY0	DCF051DR-09DPY0
SEPR	1,3,5		5.50	5.97	5.81
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	670832	569174	606403
Rated Refrigerant Capacity P_A	1,3,5	kW	498.4	458.3	475.4
Rated Power Input D_A		kW	193.2	163.7	169.2
Rated $EER_{DC,A}$			2.58	2.8	2.81
Declared Refrigerant Capacity P_B	1,3,5	kW	474.4 / 385.4	511.0 / 420.2	530.0 / 438.2
Declared Power Input D_B		kW	132.3 / 102.3	135.5 / 107.5	140.3 / 112.2
Declared $EER_{DC,B}$			3.59 / 3.77	3.77 / 3.91	3.78 / 3.90
Declared Refrigerant Capacity P_C	1,3,5	kW	513.1 / 417.6	456.1 / 378.9	475.7 / 372.1
Declared Power Input D_C		kW	111.4 / 86.0	90.3 / 72.3	94.5 / 73.2
Declared $EER_{DC,C}$			4.61 / 4.85	5.05 / 5.24	5.03 / 5.09
Declared Refrigerant Capacity P_D	1,3,5	kW	398.0 / 334.4	366.0 / 289.7	379.6 / 256.1
Declared Power Input D_D		kW	51.8 / 54.9	43.7 / 44.2	47.3 / 39.8
Declared $EER_{DC,D}$			7.68 / 6.09	8.37 / 6.55	8.02 / 6.43
SSCEE	2,3,5	%	150.1	160.6	154.5
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		499.1	459	476.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	498.4	458.3	475.4
Declared EER_d 35°C			2.58	2.8	2.81
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	381.2 / 288.4	344.8 / 249.9	434.5 / 338.1
Declared EER_d 30°C			3.37 / 3.46	3.61 / 3.72	3.49 / 3.52
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	316.8 / 215.5	275.0 / 193.7	244.7 / 133.8
Declared EER_d 25°C			4.12 / 4.35	4.44 / 4.59	4.51 / 4.18
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	116.6 / 0.0	211.5 / 92.7	146.1 / 0.0
Declared EER_d 20°C			4.69 / 0	5.42 / 4.99	4.89 / 0
Sound Power Level LWA		dB(A)	92	91	92
Air flow rate		m³/h	169286	190447	190447
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	4.044	3.403	4.118
Standby Mode P_{SB}		kW	0.236	0.239	0.227
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF053DR-10DPV0	DCF055DR-09DYV0	DCF055DR-10DYY0
SEPR	1,3,5		5.85	5.59	5.85
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	627989	694045	653062
Rated Refrigerant Capacity P_A	1,3,5	kW	495.8	523.2	515.7
Rated Power Input D_A		kW	172.8	197.4	186.2
Rated $EER_{DC,A}$			2.87	2.65	2.77
Declared Refrigerant Capacity P_B	1,3,5	kW	553.3 / 453.3	489.9 / 400.9	482.7 / 391.7
Declared Power Input D_B		kW	142.9 / 114.2	133.8 / 103.8	126.4 / 98.3
Declared $EER_{DC,B}$			3.87 / 3.97	3.66 / 3.86	3.82 / 3.98
Declared Refrigerant Capacity P_C	1,3,5	kW	492.0 / 380.0	529.9 / 434.4	523.0 / 424.5
Declared Power Input D_C		kW	96.0 / 74.2	112.5 / 87.1	106.2 / 82.5
Declared $EER_{DC,C}$			5.12 / 5.12	4.71 / 4.99	4.92 / 5.15
Declared Refrigerant Capacity P_D	1,3,5	kW	395.9 / 263.5	417.8 / 341.8	411.8 / 336.6
Declared Power Input D_D		kW	49.5 / 41.0	54.2 / 56.0	50.2 / 53.1
Declared $EER_{DC,D}$			7.99 / 6.43	7.70 / 6.10	8.21 / 6.34
SSCEE	2,3,5	%	155.5	151.8	157.3
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		496.6	524	516.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	495.8	523.2	515.7
Declared EER_d 35°C			2.87	2.65	2.77
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	449.5 / 345.2	396.6 / 295.7	387.7 / 292.7
Declared EER_d 30°C			3.55 / 3.55	3.45 / 3.49	3.56 / 3.63
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	252.7 / 133.8	324.9 / 223.7	321.4 / 217.8
Declared EER_d 25°C			4.55 / 4.16	4.16 / 4.42	4.33 / 4.52
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	146.0 / 0.0	116.6 / 0.0	117.9 / 0.0
Declared EER_d 20°C			4.86 / 0	4.66 / 0	4.89 / 0
Sound Power Level LWA		dB(A)	92	93	91
Air flow rate		m³/h	211608	190447	211608
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	4.365	4.360	4.056
Standby Mode P_{SB}		kW	0.230	0.239	0.242
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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(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 DCF

Ecodesign

	Notes:	Units	DCF058DR-10DVV0	DCF062DR-10FVW0	DCF065DR-10FWW0
SEPR	1,3,5		5.86	5.80	5.65
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	693278	749341	806719
Rated Refrigerant Capacity P_A	1,3,5	kW	548.1	587	614.9
Rated Power Input D_A		kW	200.0	216.6	232.0
Rated $EER_{DC,A}$			2.74	2.71	2.65
Declared Refrigerant Capacity P_B	1,3,5	kW	513.5 / 416.5	549.6 / 450.4	584.4 / 474.5
Declared Power Input D_B		kW	134.8 / 104.7	144.5 / 114.2	158.5 / 122.7
Declared $EER_{DC,B}$			3.81 / 3.98	3.80 / 3.95	3.69 / 3.87
Declared Refrigerant Capacity P_C	1,3,5	kW	556.0 / 451.3	596.1 / 489.0	633.0 / 514.7
Declared Power Input D_C		kW	113.0 / 87.6	121.5 / 95.9	133.4 / 103.2
Declared $EER_{DC,C}$			4.92 / 5.15	4.90 / 5.10	4.74 / 4.99
Declared Refrigerant Capacity P_D	1,3,5	kW	437.7 / 358.7	468.8 / 384.7	491.1 / 412.3
Declared Power Input D_D		kW	53.1 / 56.2	57.8 / 59.8	62.5 / 66.1
Declared $EER_{DC,D}$			8.24 / 6.39	8.12 / 6.43	7.85 / 6.24
SSCEE	2,3,5	%	158.6	156.7	152.6
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		548.8	587.8	615.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	548.1	587	614.9
Declared EER_d 35°C			2.74	2.71	2.65
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	412.1 / 311.2	445.0 / 330.5	468.6 / 354.1
Declared EER_d 30°C			3.55 / 3.63	3.52 / 3.64	3.45 / 3.53
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	342.0 / 231.9	363.5 / 250.8	389.0 / 264.3
Declared EER_d 25°C			4.34 / 4.56	4.34 / 4.51	4.21 / 4.43
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	125.7 / 0.0	128.4 / 0.0	143.0 / 0.0
Declared EER_d 20°C			4.97 / 0	4.89 / 0	4.76 / 0
Sound Power Level LWA		dB(A)	94	94	94
Air flow rate		m³/h	211608	211608	211608
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.878	4.776	5.338
Standby Mode P_{SB}		kW	0.242	0.242	0.242
Crankcase heater mode P_{CK}		kW	0.000	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 DCF

Ecodesign

	Notes:	Units	DCF069TR-10GPPY	DCF051DR-11DXY0	DCF053DR-11DPY0
SEPR	1,3,5		5.28	6.19	6.09
SEPR Tier			Tier 1 (2018)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	910641	557975	587929
Rated Refrigerant Capacity P_A	1,3,5	kW	648.6	466.1	483.6
Rated Power Input D_A		kW	254.4	157.5	162.8
Rated $EER_{DC,A}$			2.55	2.96	2.97
Declared Refrigerant Capacity P_B	1,3,5	kW	648.1 / 556.4	519.8 / 426.7	539.4 / 445.3
Declared Power Input D_B		kW	183.0 / 156.3	130.3 / 103.6	134.9 / 108.1
Declared $EER_{DC,B}$			3.54 / 3.56	3.99 / 4.12	4.00 / 4.12
Declared Refrigerant Capacity P_C	1,3,5	kW	605.7 / 487.1	463.4 / 383.9	483.4 / 378.1
Declared Power Input D_C		kW	132.4 / 101.9	86.8 / 69.9	90.8 / 70.3
Declared $EER_{DC,C}$			4.57 / 4.78	5.34 / 5.50	5.32 / 5.38
Declared Refrigerant Capacity P_D	1,3,5	kW	518.1 / 515.4	372.2 / 289.7	386.2 / 256.0
Declared Power Input D_D		kW	72.0 / 88.2	43.8 / 43.6	46.4 / 39.5
Declared $EER_{DC,D}$			7.20 / 5.85	8.50 / 6.65	8.32 / 6.48
SSCEE	2,3,5	%	143.8	167.4	162.0
SSCEE Tier	6		Not Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		649.4	466.8	484.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	648.6	466.1	483.6
Declared EER_d 35°C			2.55	2.96	2.97
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	545.4 / 439.0	349.5 / 253.0	441.7 / 343.5
Declared EER_d 30°C			3.16 / 3.30	3.78 / 3.88	3.69 / 3.72
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	366.4 / 258.9	278.4 / 195.4	247.4 / 135.6
Declared EER_d 25°C			4.24 / 4.06	4.64 / 4.74	4.68 / 4.38
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	140.1 / 0.0	213.3 / 93.6	148.1 / 0.0
Declared EER_d 20°C			4.36 / 0	5.60 / 5.19	5.12 / 0
Sound Power Level LWA		dB(A)	94	89	90
Air flow rate		m³/h	211608	232768	232768
Off mode P_{OFF}		kW	0.149	0.137	0.137
Thermostat-off mode P_{TO}		kW	5.340	3.216	3.940
Standby Mode P_{SB}		kW	0.266	0.245	0.233
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 DCF

Ecodesign

	Notes:	Units	DCF055DR-12DPV0	DCF057DR-12DYY0	DCF058DR-11DYV0
SEPR	1,3,5		6.11	6.08	5.97
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	611280	637887	665683
Rated Refrigerant Capacity P_A	1,3,5	kW	503.8	523.7	536
Rated Power Input D_A		kW	167.4	179.3	189.4
Rated $EER_{DC,A}$			3.01	2.92	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	561.8 / 460.0	489.6 / 396.3	597.0 / 497.7
Declared Power Input D_B		kW	137.9 / 110.3	121.6 / 94.8	156.2 / 127.6
Declared $EER_{DC,B}$			4.07 / 4.17	4.03 / 4.18	3.82 / 3.90
Declared Refrigerant Capacity P_C	1,3,5	kW	499.3 / 385.8	530.2 / 429.6	539.2 / 440.7
Declared Power Input D_C		kW	92.6 / 71.4	101.8 / 79.3	107.0 / 83.2
Declared $EER_{DC,C}$			5.39 / 5.40	5.21 / 5.42	5.04 / 5.29
Declared Refrigerant Capacity P_D	1,3,5	kW	402.3 / 263.4	418.3 / 336.7	428.1 / 344.1
Declared Power Input D_D		kW	48.9 / 40.7	50.1 / 51.7	51.6 / 53.5
Declared $EER_{DC,D}$			8.23 / 6.47	8.35 / 6.51	8.30 / 6.43

SSCEE	2,3,5	%	162.5	166.7	162.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		504.5	524.3	536.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	503.8	523.7	536
Declared EER_d 35°C			3.01	2.92	2.83
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	456.3 / 350.6	392.5 / 295.9	402.6 / 299.9
Declared EER_d 30°C			3.73 / 3.73	3.74 / 3.80	3.65 / 3.70
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	255.2 / 135.5	324.9 / 219.5	329.4 / 225.8
Declared EER_d 25°C			4.71 / 4.34	4.54 / 4.72	4.41 / 4.65
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	148.0 / 0.0	118.9 / 0.0	117.9 / 0.0
Declared EER_d 20°C			5.08 / 0	5.20 / 0	5.00 / 0
Sound Power Level LWA		dB(A)	90	90	91
Air flow rate		m³/h	253929	253929	232768
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	4.217	3.151	3.488
Standby Mode P_{SB}		kW	0.236	0.248	0.245
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 DCF

Ecodesign

	Notes:	Units	DCF060DR-12DVV0	DCF065DR-12FVW0	DCF068DR-12FWW0
SEPR	1,3,5		6.06	6.04	5.94
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	679513	736117	788861
Rated Refrigerant Capacity P_A	1,3,5	kW	556.2	600.4	632.8
Rated Power Input D_A		kW	193.1	209.9	225.2
Rated $EER_{DC,A}$			2.88	2.86	2.81
Declared Refrigerant Capacity P_B	1,3,5	kW	520.9 / 421.6	669.8 / 557.8	592.9 / 480.9
Declared Power Input D_B		kW	130.1 / 101.4	173.2 / 139.4	152.5 / 118.7
Declared $EER_{DC,B}$			4.00 / 4.16	3.87 / 4.00	3.89 / 4.05
Declared Refrigerant Capacity P_C	1,3,5	kW	563.9 / 456.8	605.0 / 495.4	642.8 / 521.7
Declared Power Input D_C		kW	108.8 / 84.7	117.0 / 92.7	128.1 / 99.5
Declared $EER_{DC,C}$			5.18 / 5.39	5.17 / 5.35	5.02 / 5.24
Declared Refrigerant Capacity P_D	1,3,5	kW	444.2 / 358.7	479.6 / 384.7	505.4 / 414.2
Declared Power Input D_D		kW	53.2 / 55.2	57.4 / 58.7	60.9 / 64.1
Declared $EER_{DC,D}$			8.35 / 6.50	8.35 / 6.55	8.30 / 6.46
SSCEE	2,3,5	%	165.1	163.1	159.6
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		556.9	601.2	633.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	556.2	600.4	632.8
Declared EER_d 35°C			2.88	2.86	2.81
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	417.5 / 314.8	451.1 / 334.4	475.1 / 358.5
Declared EER_d 30°C			3.71 / 3.78	3.68 / 3.78	3.62 / 3.68
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	345.8 / 233.8	367.7 / 252.9	393.7 / 266.6
Declared EER_d 25°C			4.52 / 4.70	4.52 / 4.66	4.39 / 4.58
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	126.7 / 0.0	129.5 / 0.0	144.3 / 0.0
Declared EER_d 20°C			5.15 / 0	5.05 / 0	4.94 / 0
Sound Power Level LWA		dB(A)	91	92	93
Air flow rate		m³/h	253929	253929	253929
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.639	4.603	4.849
Standby Mode P_{SB}		kW	0.248	0.248	0.248
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF074TR-11GPYY	DCF079TR-12GYYY	DCF059DR-13DYV0
SEPR	1,3,5		5.35	5.35	6.11
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	972906	1038606	658731
Rated Refrigerant Capacity P_A	1,3,5	kW	702.7	749.3	543.6
Rated Power Input D_A		kW	272.4	290.4	183.6
Rated $EER_{DC,A}$			2.58	2.58	2.96
Declared Refrigerant Capacity P_B	1,3,5	kW	707.4 / 618.2	758.0 / 668.7	605.2 / 504.2
Declared Power Input D_B		kW	198.9 / 168.8	214.0 / 184.0	151.2 / 123.7
Declared $EER_{DC,B}$			3.56 / 3.66	3.54 / 3.63	4.00 / 4.08
Declared Refrigerant Capacity P_C	1,3,5	kW	671.8 / 571.0	723.7 / 628.0	545.9 / 445.3
Declared Power Input D_C		kW	142.6 / 120.1	155.0 / 129.6	103.5 / 80.9
Declared $EER_{DC,C}$			4.71 / 4.75	4.67 / 4.85	5.27 / 5.50
Declared Refrigerant Capacity P_D	1,3,5	kW	561.3 / 494.5	598.6 / 558.3	434.2 / 344.1
Declared Power Input D_D		kW	77.5 / 85.2	84.0 / 92.1	52.4 / 52.8
Declared $EER_{DC,D}$			7.24 / 5.80	7.13 / 6.06	8.28 / 6.51

SSCEE	2,3,5	%	147.1	147.9	167.7
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		703.6	750.2	544.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	702.7	749.3	543.6
Declared EER_d 35°C			2.58	2.58	2.96
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	609.2 / 515.6	572.7 / 479.3	407.0 / 302.9
Declared EER_d 30°C			3.27 / 3.29	3.36 / 3.41	3.79 / 3.83
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	347.4 / 238.2	424.6 / 323.2	332.6 / 227.4
Declared EER_d 25°C			4.30 / 4.12	4.16 / 4.33	4.57 / 4.77
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	259.9 / 0.0	233.7 / 116.0	118.9 / 0.0
Declared EER_d 20°C			4.82 / 0	4.85 / 4.27	5.16 / 0
Sound Power Level LWA		dB(A)	94	94	90
Air flow rate		m³/h	232768	253929	275090
Off mode P_{OFF}		kW	0.149	0.149	0.137
Thermostat-off mode P_{TO}		kW	5.847	6.486	3.334
Standby Mode P_{SB}		kW	0.280	0.295	0.251
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF062DR-14DVV0	DCF066DR-14FVW0	DCF070DR-14FWW0
SEPR	1,3,5		6.18	6.20	6.11
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	675489	727099	777283
Rated Refrigerant Capacity P_A	1,3,5	kW	563.6	608.2	640.5
Rated Power Input D_A		kW	187.2	203.4	218.6
Rated $EER_{DC,A}$			3.01	2.99	2.93
Declared Refrigerant Capacity P_B	1,3,5	kW	526.5 / 425.5	678.5 / 564.2	600.2 / 485.8
Declared Power Input D_B		kW	126.6 / 99.1	168.1 / 135.6	148.2 / 115.7
Declared $EER_{DC,B}$			4.16 / 4.29	4.04 / 4.16	4.05 / 4.20
Declared Refrigerant Capacity P_C	1,3,5	kW	569.9 / 461.0	611.9 / 500.4	650.4 / 527.0
Declared Power Input D_C		kW	105.7 / 82.6	113.6 / 90.3	124.2 / 96.9
Declared $EER_{DC,C}$			5.39 / 5.58	5.38 / 5.54	5.24 / 5.44
Declared Refrigerant Capacity P_D	1,3,5	kW	450.2 / 358.8	485.8 / 384.7	511.6 / 414.3
Declared Power Input D_D		kW	54.3 / 54.8	57.9 / 58.2	61.2 / 63.3
Declared $EER_{DC,D}$			8.29 / 6.55	8.39 / 6.61	8.36 / 6.54
SSCEE	2,3,5	%	169.9	168.0	164.7
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		564.3	608.9	641.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	563.6	608.2	640.5
Declared EER_d 35°C			3.01	2.99	2.93
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	421.5 / 317.4	455.8 / 337.4	480.3 / 361.9
Declared EER_d 30°C			3.83 / 3.89	3.81 / 3.90	3.75 / 3.80
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	348.7 / 235.2	370.9 / 254.6	397.4 / 268.5
Declared EER_d 25°C			4.65 / 4.81	4.66 / 4.77	4.54 / 4.70
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	127.5 / 0.0	130.3 / 0.0	145.3 / 0.0
Declared EER_d 20°C			5.27 / 0	5.18 / 0	5.08 / 0
Sound Power Level LWA		dB(A)	90	91	92
Air flow rate		m³/h	296251	296251	296251
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.520	4.473	4.671
Standby Mode P_{SB}		kW	0.254	0.254	0.254
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF073TR-13GPPY	DCF078TR-14GPYY	DCF082TR-13HYYV
SEPR	1,3,5		5.72	5.75	5.42
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	878250	942652	1057727
Rated Refrigerant Capacity P_A	1,3,5	kW	678.5	731.4	774.4
Rated Power Input D_A		kW	243.2	262.2	293.3
Rated $EER_{DC,A}$			2.79	2.79	2.64
Declared Refrigerant Capacity P_B	1,3,5	kW	665.9 / 572.1	723.5 / 632.3	772.4 / 683.2
Declared Power Input D_B		kW	173.0 / 147.7	189.1 / 161.0	214.7 / 184.7
Declared $EER_{DC,B}$			3.85 / 3.87	3.83 / 3.93	3.60 / 3.70
Declared Refrigerant Capacity P_C	1,3,5	kW	620.9 / 497.8	686.0 / 583.0	738.0 / 642.4
Declared Power Input D_C		kW	124.3 / 96.3	135.4 / 114.1	155.1 / 129.8
Declared $EER_{DC,C}$			5.00 / 5.17	5.07 / 5.11	4.76 / 4.95
Declared Refrigerant Capacity P_D	1,3,5	kW	542.0 / 523.2	584.3 / 502.8	618.7 / 562.3
Declared Power Input D_D		kW	69.5 / 83.8	75.0 / 81.5	85.8 / 92.3
Declared $EER_{DC,D}$			7.80 / 6.24	7.79 / 6.17	7.21 / 6.09
SSCEE	2,3,5	%	155.3	156.4	151.0
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		679.3	732.3	775.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	678.5	731.4	774.4
Declared EER_d 35°C			2.79	2.79	2.64
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	566.6 / 452.4	626.3 / 530.4	587.2 / 485.9
Declared EER_d 30°C			3.46 / 3.57	3.51 / 3.54	3.43 / 3.45
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	372.5 / 264.0	352.3 / 242.0	431.2 / 330.0
Declared EER_d 25°C			4.49 / 4.35	4.51 / 4.34	4.21 / 4.41
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	142.9 / 0.0	264.1 / 0.0	232.5 / 115.4
Declared EER_d 20°C			4.69 / 0	5.09 / 0	4.89 / 4.34
Sound Power Level LWA		dB(A)	93	93	95
Air flow rate		m³/h	275090	296251	275090
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	4.920	5.881	6.059
Standby Mode P_{SB}		kW	0.275	0.289	0.298
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF085TR-14HYVV	DCF075TR-16GPPY	DCF082TR-15GYYY
SEPR	1,3,5		5.48	6.04	5.69
SEPR Tier			Tier 1 (2018)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1080364	847168	1010080
Rated Refrigerant Capacity P_A	1,3,5	kW	799	690.1	775.5
Rated Power Input D_A		kW	297.0	233.1	280.0
Rated $EER_{DC,A}$			2.69	2.96	2.77
Declared Refrigerant Capacity P_B	1,3,5	kW	795.6 / 698.4	677.4 / 582.1	771.5 / 680.3
Declared Power Input D_B		kW	216.3 / 186.2	166.3 / 141.9	204.2 / 176.2
Declared $EER_{DC,B}$			3.68 / 3.75	4.07 / 4.10	3.78 / 3.86
Declared Refrigerant Capacity P_C	1,3,5	kW	754.3 / 658.7	631.5 / 505.2	737.1 / 638.4
Declared Power Input D_C		kW	156.2 / 130.8	119.0 / 92.7	148.1 / 124.3
Declared $EER_{DC,C}$			4.83 / 5.03	5.31 / 5.45	4.98 / 5.13
Declared Refrigerant Capacity P_D	1,3,5	kW	638.3 / 578.3	551.3 / 528.9	619.5 / 562.8
Declared Power Input D_D		kW	88.3 / 93.2	67.6 / 81.2	81.0 / 88.8
Declared $EER_{DC,D}$			7.23 / 6.21	8.15 / 6.51	7.65 / 6.34
SSCEE	2,3,5	%	152.4	163.2	154.7
SSCEE Tier	6		Not Compliant	Tier 1 (2018)	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		799.9	690.8	776.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	799	690.1	775.5
Declared EER_d 35°C			2.69	2.96	2.77
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	602.3 / 501.0	576.4 / 459.2	582.3 / 486.8
Declared EER_d 30°C			3.48 / 3.51	3.67 / 3.75	3.55 / 3.59
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	439.0 / 338.0	376.7 / 267.4	430.3 / 326.6
Declared EER_d 25°C			4.25 / 4.45	4.68 / 4.55	4.35 / 4.49
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	241.1 / 115.4	291.8 / 144.8	236.3 / 117.3
Declared EER_d 20°C			4.97 / 4.31	5.34 / 4.92	5.03 / 4.43
Sound Power Level LWA		dB(A)	95	91	93
Air flow rate		m³/h	296251	338572	317411
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	6.275	4.670	6.605
Standby Mode P_{SB}		kW	0.301	0.284	0.304
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF085TR-16HYYV	DCF090TR-15HVVV	DCF092TR-15HVVW
SEPR	1,3,5		5.76	5.69	5.68
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1024094	1087603	1125832
Rated Refrigerant Capacity P_A	1,3,5	kW	795.6	835.9	863.3
Rated Power Input D_A		kW	283.1	302.9	317.4
Rated $EER_{DC,A}$			2.81	2.76	2.72
Declared Refrigerant Capacity P_B	1,3,5	kW	785.1 / 693.9	833.3 / 734.6	856.7 / 758.0
Declared Power Input D_B		kW	205.2 / 177.1	219.5 / 189.2	227.2 / 196.9
Declared $EER_{DC,B}$			3.83 / 3.92	3.80 / 3.88	3.77 / 3.85
Declared Refrigerant Capacity P_C	1,3,5	kW	750.2 / 651.6	795.7 / 689.2	820.5 / 714.0
Declared Power Input D_C		kW	148.6 / 124.8	158.8 / 133.2	165.2 / 139.6
Declared $EER_{DC,C}$			5.05 / 5.22	5.01 / 5.17	4.97 / 5.11
Declared Refrigerant Capacity P_D	1,3,5	kW	635.6 / 566.4	667.8 / 609.7	689.7 / 623.6
Declared Power Input D_D		kW	82.4 / 88.9	88.0 / 95.2	90.0 / 97.1
Declared $EER_{DC,D}$			7.71 / 6.37	7.59 / 6.40	7.66 / 6.42
SSCEE	2,3,5	%	158.0	155.8	156.1
SSCEE Tier	6		Not Compliant	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		796.5	836.8	864.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	795.6	835.9	863.3
Declared EER_d 35°C			2.81	2.76	2.72
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	596.2 / 493.1	628.2 / 525.2	651.2 / 537.2
Declared EER_d 30°C			3.61 / 3.63	3.57 / 3.61	3.53 / 3.60
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	436.6 / 333.1	464.4 / 352.5	477.4 / 365.5
Declared EER_d 25°C			4.41 / 4.56	4.39 / 4.53	4.38 / 4.51
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	234.9 / 116.7	254.7 / 126.4	254.7 / 126.4
Declared EER_d 20°C			5.09 / 4.53	5.08 / 4.47	5.11 / 4.52
Sound Power Level LWA		dB(A)	93	95	95
Air flow rate		m³/h	338572	317411	317411
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	5.902	6.990	6.677
Standby Mode P_{SB}		kW	0.307	0.304	0.304
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF094TR-15HVWW	DCF096TR-15HWWW	DCF080TR-17GPYY
SEPR	1,3,5		5.63	5.49	6.02
SEPR Tier			Tier 2 (2021)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1172671	1231191	915019
Rated Refrigerant Capacity P_A	1,3,5	kW	890.7	912.1	743.5
Rated Power Input D_A		kW	332.4	346.8	252.9
Rated $EER_{DC,A}$			2.68	2.63	2.94
Declared Refrigerant Capacity P_B	1,3,5	kW	890.5 / 781.3	918.1 / 809.6	735.2 / 641.7
Declared Power Input D_B		kW	241.0 / 205.4	253.2 / 217.7	182.4 / 155.6
Declared $EER_{DC,B}$			3.70 / 3.80	3.63 / 3.72	4.03 / 4.12
Declared Refrigerant Capacity P_C	1,3,5	kW	845.2 / 738.7	875.0 / 758.4	696.1 / 591.4
Declared Power Input D_C		kW	172.4 / 146.8	182.6 / 152.6	130.5 / 110.0
Declared $EER_{DC,C}$			4.90 / 5.03	4.79 / 4.97	5.33 / 5.38
Declared Refrigerant Capacity P_D	1,3,5	kW	711.6 / 650.0	728.8 / 671.9	594.0 / 508.6
Declared Power Input D_D		kW	92.9 / 103.3	99.0 / 108.0	73.3 / 79.2
Declared $EER_{DC,D}$			7.66 / 6.29	7.36 / 6.22	8.10 / 6.43
SSCEE	2,3,5	%	153.7	153.2	163.1
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		891.6	913	744.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	890.7	912.1	743.5
Declared EER_d 35°C			2.68	2.63	2.94
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	674.1 / 560.2	693.0 / 580.0	635.8 / 538.2
Declared EER_d 30°C			3.48 / 3.54	3.43 / 3.49	3.69 / 3.71
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	490.3 / 378.5	512.6 / 390.0	355.7 / 244.6
Declared EER_d 25°C			4.34 / 4.45	4.25 / 4.44	4.67 / 4.50
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	268.6 / 126.4	281.8 / 140.2	267.0 / 0.0
Declared EER_d 20°C			5.01 / 4.44	5.02 / 4.51	5.28 / 0
Sound Power Level LWA		dB(A)	96	96	91
Air flow rate		m³/h	317411	317411	359733
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	7.197	6.587	5.688
Standby Mode P_{SB}		kW	0.304	0.304	0.298
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 DCF

Ecodesign

	Notes:	Units	DCF085TR-18GYYY	DCF088TR-17HYVV	DCF093TR-18HVVV
SEPR	1,3,5		5.93	5.79	6.02
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	983309	1043077	1044947
Rated Refrigerant Capacity P_A	1,3,5	kW	787.4	815.6	849
Rated Power Input D_A		kW	270.6	286.2	290.8
Rated $EER_{DC,A}$			2.91	2.85	2.92
Declared Refrigerant Capacity P_B	1,3,5	kW	783.0 / 689.4	807.8 / 708.5	845.8 / 744.8
Declared Power Input D_B		kW	197.5 / 170.7	207.7 / 179.1	210.9 / 182.1
Declared $EER_{DC,B}$			3.96 / 4.04	3.89 / 3.96	4.01 / 4.09
Declared Refrigerant Capacity P_C	1,3,5	kW	746.7 / 645.8	765.8 / 667.2	806.6 / 697.7
Declared Power Input D_C		kW	143.2 / 120.6	150.0 / 126.3	152.4 / 128.2
Declared $EER_{DC,C}$			5.22 / 5.36	5.10 / 5.28	5.29 / 5.44
Declared Refrigerant Capacity P_D	1,3,5	kW	629.0 / 562.7	651.6 / 580.4	678.3 / 609.7
Declared Power Input D_D		kW	79.2 / 87.5	84.6 / 90.7	84.1 / 92.6
Declared $EER_{DC,D}$			7.95 / 6.43	7.70 / 6.40	8.06 / 6.59
SSCEE	2,3,5	%	160.2	158.9	164.5
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		788.3	816.5	849.8
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	787.4	815.6	849
Declared EER_d 35°C			2.91	2.85	2.92
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	589.5 / 492.3	610.7 / 507.6	636.5 / 531.5
Declared EER_d 30°C			3.70 / 3.73	3.65 / 3.67	3.75 / 3.78
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	434.5 / 329.1	444.2 / 340.8	469.2 / 355.3
Declared EER_d 25°C			4.51 / 4.61	4.43 / 4.59	4.59 / 4.72
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	238.1 / 118.2	243.4 / 116.6	256.8 / 127.5
Declared EER_d 20°C			5.18 / 4.56	5.15 / 4.49	5.32 / 4.76
Sound Power Level LWA		dB(A)	91	93	93
Air flow rate		m³/h	380894	359733	380894
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	6.408	6.133	5.960
Standby Mode P_{SB}		kW	0.313	0.310	0.313
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF095TR-18HVVW	DCF098TR-18HVWW	DCF100TR-18HWWW
SEPR	1,3,5		5.95	5.89	5.78
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1096413	1147754	1202228
Rated Refrigerant Capacity P_A	1,3,5	kW	880.5	912.1	937.3
Rated Power Input D_A		kW	306.8	322.3	335.9
Rated $EER_{DC,A}$			2.87	2.83	2.79
Declared Refrigerant Capacity P_B	1,3,5	kW	869.5 / 768.5	903.8 / 792.2	931.9 / 821.1
Declared Power Input D_B		kW	219.0 / 190.2	232.1 / 198.4	243.6 / 210.0
Declared $EER_{DC,B}$			3.97 / 4.04	3.89 / 3.99	3.83 / 3.91
Declared Refrigerant Capacity P_C	1,3,5	kW	831.7 / 722.8	856.9 / 748.0	887.4 / 768.1
Declared Power Input D_C		kW	159.3 / 135.0	166.2 / 141.9	175.8 / 147.3
Declared $EER_{DC,C}$			5.22 / 5.35	5.16 / 5.27	5.05 / 5.21
Declared Refrigerant Capacity P_D	1,3,5	kW	703.6 / 623.6	728.8 / 651.4	749.0 / 674.5
Declared Power Input D_D		kW	87.8 / 95.3	91.2 / 100.7	96.1 / 104.7
Declared $EER_{DC,D}$			8.01 / 6.55	7.99 / 6.47	7.79 / 6.44

SSCEE	2,3,5	%	162.3	159.6	159.4
SSCEE Tier	6		Tier 1 (2018)	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		881.4	913	938.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	880.5	912.1	937.3
Declared EER_d 35°C			2.87	2.83	2.79
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	659.8 / 543.7	683.1 / 567.0	702.3 / 587.2
Declared EER_d 30°C			3.69 / 3.76	3.64 / 3.69	3.59 / 3.64
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	482.3 / 368.5	495.3 / 381.6	518.1 / 393.3
Declared EER_d 25°C			4.54 / 4.65	4.50 / 4.59	4.42 / 4.58
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	256.7 / 127.4	270.8 / 127.4	284.2 / 141.4
Declared EER_d 20°C			5.27 / 4.67	5.17 / 4.59	5.18 / 4.67
Sound Power Level LWA		dB(A)	94	94	95
Air flow rate		m³/h	380894	380894	380894
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	6.508	7.087	6.436
Standby Mode P_{SB}		kW	0.313	0.313	0.313
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF088TR-19HYYV	DCF090TR-20HYVV	DCF095TR-21HVVV
SEPR	1,3,5		5.98	6.04	6.19
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	999815	1014075	1030421
Rated Refrigerant Capacity P_A	1,3,5	kW	807.1	826.9	860.4
Rated Power Input D_A		kW	273.6	277.5	283.0
Rated $EER_{DC,A}$			2.95	2.98	3.04
Declared Refrigerant Capacity P_B	1,3,5	kW	795.9 / 702.5	817.8 / 716.8	855.3 / 752.6
Declared Power Input D_B		kW	198.7 / 171.9	200.8 / 173.3	205.1 / 177.4
Declared $EER_{DC,B}$			4.01 / 4.09	4.07 / 4.14	4.17 / 4.24
Declared Refrigerant Capacity P_C	1,3,5	kW	759.1 / 658.4	774.3 / 673.7	815.0 / 704.2
Declared Power Input D_C		kW	143.8 / 121.3	144.8 / 122.2	148.4 / 125.1
Declared $EER_{DC,C}$			5.28 / 5.43	5.35 / 5.51	5.49 / 5.63
Declared Refrigerant Capacity P_D	1,3,5	kW	644.8 / 566.3	660.7 / 580.4	687.4 / 609.8
Declared Power Input D_D		kW	80.9 / 87.7	82.6 / 89.0	84.0 / 91.8
Declared $EER_{DC,D}$			7.97 / 6.45	8.00 / 6.52	8.18 / 6.64
SSCEE	2,3,5	%	163.4	166.7	169.2
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		808	827.7	861.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	807.1	826.9	860.4
Declared EER_d 35°C			2.95	2.98	3.04
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	602.8 / 498.4	617.0 / 512.6	642.8 / 536.3
Declared EER_d 30°C			3.75 / 3.76	3.80 / 3.82	3.87 / 3.90
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	440.6 / 335.4	448.1 / 343.0	472.8 / 357.5
Declared EER_d 25°C			4.55 / 4.68	4.61 / 4.75	4.72 / 4.82
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	236.7 / 117.6	245.0 / 117.6	258.4 / 128.3
Declared EER_d 20°C			5.23 / 4.66	5.37 / 4.77	5.44 / 4.87
Sound Power Level LWA		dB(A)	92	92	92
Air flow rate		m³/h	402054	423215	444376
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	5.710	5.140	5.844
Standby Mode P_{SB}		kW	0.316	0.319	0.322
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF098TR-21HVVW	DCF101TR-21HVWW	DCF103TR-21HWWW
SEPR	1,3,5		6.13	6.08	6.00
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1077293	1125327	1171688
Rated Refrigerant Capacity P_A	1,3,5	kW	891.9	923.4	948.4
Rated Power Input D_A		kW	297.3	313.0	325.9
Rated $EER_{DC,A}$			3	2.95	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	879.4 / 776.6	914.3 / 800.7	942.8 / 830.0
Declared Power Input D_B		kW	212.9 / 185.3	225.5 / 193.1	236.4 / 204.2
Declared $EER_{DC,B}$			4.13 / 4.19	4.05 / 4.15	3.99 / 4.07
Declared Refrigerant Capacity P_C	1,3,5	kW	840.4 / 729.6	865.9 / 755.1	896.9 / 775.4
Declared Power Input D_C		kW	155.0 / 131.7	161.6 / 138.3	170.6 / 143.4
Declared $EER_{DC,C}$			5.42 / 5.54	5.36 / 5.46	5.26 / 5.41
Declared Refrigerant Capacity P_D	1,3,5	kW	712.6 / 623.6	737.8 / 651.3	757.8 / 674.5
Declared Power Input D_D		kW	87.1 / 94.5	90.2 / 99.7	93.8 / 103.4
Declared $EER_{DC,D}$			8.18 / 6.60	8.18 / 6.54	8.08 / 6.52
SSCEE	2,3,5	%	166.9	164.4	164.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		892.8	924.3	949.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	891.9	923.4	948.4
Declared EER_d 35°C			3	2.95	2.91
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	666.4 / 548.6	690.1 / 572.3	709.7 / 592.8
Declared EER_d 30°C			3.82 / 3.87	3.76 / 3.81	3.72 / 3.76
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	486.0 / 370.7	499.2 / 384.0	522.3 / 395.8
Declared EER_d 25°C			4.67 / 4.76	4.63 / 4.69	4.56 / 4.69
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	258.3 / 128.2	272.5 / 128.2	286.1 / 142.4
Declared EER_d 20°C			5.39 / 4.78	5.29 / 4.70	5.32 / 4.80
Sound Power Level LWA		dB(A)	93	93	94
Air flow rate		m³/h	444376	444376	444376
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	6.380	6.946	6.239
Standby Mode P_{SB}		kW	0.322	0.322	0.322
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF047DX-09DXY0	DCF049DX-09DPY0	DCF051DX-10DPV0
SEPR	1,3,5		6.27	6.04	6.11
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	515973	552590	574445
Rated Refrigerant Capacity P_A	1,3,5	kW	436.5	450.6	473.9
Rated Power Input D_A		kW	163.5	169.4	172.3
Rated $EER_{DC,A}$			2.67	2.66	2.75
Declared Refrigerant Capacity P_B	1,3,5	kW	414.1 / 348.7	430.3 / 334.6	445.5 / 341.9
Declared Power Input D_B		kW	107.0 / 85.9	111.9 / 86.4	113.9 / 87.7
Declared $EER_{DC,B}$			3.87 / 4.06	3.85 / 3.87	3.91 / 3.90
Declared Refrigerant Capacity P_C	1,3,5	kW	378.8 / 276.4	472.2 / 368.6	488.2 / 376.5
Declared Power Input D_C		kW	72.0 / 50.7	93.9 / 72.6	95.5 / 73.6
Declared $EER_{DC,C}$			5.26 / 5.45	5.03 / 5.08	5.11 / 5.11
Declared Refrigerant Capacity P_D	1,3,5	kW	348.5 / 289.7	359.8 / 256.1	378.4 / 263.5
Declared Power Input D_D		kW	36.8 / 43.9	40.0 / 39.4	41.6 / 40.6
Declared $EER_{DC,D}$			9.47 / 6.60	8.99 / 6.50	9.09 / 6.49
SSCEE	2,3,5	%	161.9	153.5	154.5
SSCEE Tier	6		Tier 1 (2018)	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		437.1	451.3	474.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	436.5	450.6	473.9
Declared EER_d 35°C			2.67	2.66	2.75
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	343.2 / 249.4	422.3 / 327.2	438.5 / 334.3
Declared EER_d 30°C			3.62 / 3.74	3.41 / 3.42	3.47 / 3.44
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	275.1 / 193.9	244.9 / 133.9	252.8 / 133.8
Declared EER_d 25°C			4.47 / 4.63	4.55 / 4.25	4.59 / 4.21
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	92.7 / 0.0	146.1 / 0.0	146.0 / 0.0
Declared EER_d 20°C			5.08 / 0	4.97 / 0	4.92 / 0
Sound Power Level LWA		dB(A)	86	87	88
Air flow rate		m³/h	129520	129520	143912
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.025	3.595	3.905
Standby Mode P_{SB}		kW	0.239	0.227	0.230
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF053DX-10DYY0	DCF049DX-11DXY0	DCF051DX-11DPY0
SEPR	1,3,5		6.12	6.58	6.44
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	594148	511773	540577
Rated Refrigerant Capacity P_A	1,3,5	kW	490.5	454.6	470.2
Rated Power Input D_A		kW	186.5	156.2	161.6
Rated $EER_{DC,A}$			2.63	2.91	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	474.8 / 391.4	424.6 / 353.2	442.1 / 344.7
Declared Power Input D_B		kW	126.0 / 97.9	103.2 / 83.4	107.6 / 83.0
Declared $EER_{DC,B}$			3.77 / 4.00	4.12 / 4.24	4.11 / 4.15
Declared Refrigerant Capacity P_C	1,3,5	kW	519.8 / 424.4	463.4 / 383.9	483.2 / 377.9
Declared Power Input D_C		kW	105.7 / 82.0	86.7 / 69.7	90.6 / 70.1
Declared $EER_{DC,C}$			4.92 / 5.17	5.35 / 5.51	5.34 / 5.39
Declared Refrigerant Capacity P_D	1,3,5	kW	391.7 / 336.7	363.0 / 289.7	375.5 / 256.0
Declared Power Input D_D		kW	42.9 / 52.7	36.5 / 43.4	39.0 / 39.3
Declared $EER_{DC,D}$			9.14 / 6.39	9.95 / 6.67	9.62 / 6.52
SSCEE	2,3,5	%	158.4	168.2	161.9
SSCEE Tier	6		Not Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		491.2	455.2	470.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	490.5	454.6	470.2
Declared EER_d 35°C			2.63	2.91	2.91
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	385.5 / 291.7	349.7 / 253.1	436.4 / 338.3
Declared EER_d 30°C			3.57 / 3.65	3.79 / 3.89	3.66 / 3.69
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	321.1 / 217.9	278.4 / 195.5	247.5 / 135.6
Declared EER_d 25°C			4.36 / 4.56	4.65 / 4.76	4.70 / 4.41
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	118.0 / 0.0	213.4 / 93.6	148.2 / 0.0
Declared EER_d 20°C			4.97 / 0	5.62 / 5.23	5.16 / 0
Sound Power Level LWA		dB(A)	86	87	87
Air flow rate		m³/h	143912	158303	158303
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.589	3.026	3.678
Standby Mode P_{SB}		kW	0.242	0.245	0.233
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF053DX-12DPV0	DCF055DX-11DYV0	DCF055DX-12DYY0
SEPR	1,3,5		6.50	6.20	6.35
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	561076	613951	594630
Rated Refrigerant Capacity P_A	1,3,5	kW	491.9	513.6	509.3
Rated Power Input D_A		kW	165.6	189.5	178.7
Rated $EER_{DC,A}$			2.97	2.71	2.85
Declared Refrigerant Capacity P_B	1,3,5	kW	556.2 / 456.7	489.8 / 406.5	485.7 / 396.2
Declared Power Input D_B		kW	137.1 / 109.8	128.0 / 99.9	121.7 / 95.3
Declared $EER_{DC,B}$			4.06 / 4.16	3.83 / 4.07	3.99 / 4.16
Declared Refrigerant Capacity P_C	1,3,5	kW	499.1 / 385.7	535.7 / 440.3	529.9 / 429.5
Declared Power Input D_C		kW	92.4 / 71.2	107.1 / 83.5	102.2 / 79.7
Declared $EER_{DC,C}$			5.40 / 5.42	5.00 / 5.27	5.18 / 5.39
Declared Refrigerant Capacity P_D	1,3,5	kW	392.8 / 263.4	410.1 / 344.0	406.7 / 336.7
Declared Power Input D_D		kW	40.6 / 40.5	44.4 / 53.9	43.3 / 52.2
Declared $EER_{DC,D}$			9.69 / 6.50	9.23 / 6.39	9.39 / 6.45
SSCEE	2,3,5	%	162.4	159.8	164.0
SSCEE Tier	6		Tier 1 (2018)	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		492.6	514.3	510
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	491.9	513.6	509.3
Declared EER_d 35°C			2.97	2.71	2.85
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	451.0 / 345.3	401.6 / 298.8	392.7 / 295.9
Declared EER_d 30°C			3.71 / 3.70	3.63 / 3.68	3.72 / 3.78
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	255.3 / 135.6	329.0 / 225.9	324.9 / 219.5
Declared EER_d 25°C			4.73 / 4.37	4.39 / 4.61	4.51 / 4.68
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	148.1 / 0.0	117.9 / 0.0	118.9 / 0.0
Declared EER_d 20°C			5.12 / 0	4.93 / 0	5.09 / 0
Sound Power Level LWA		dB(A)	88	87	87
Air flow rate		m³/h	172694	158303	172694
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.970	3.795	3.593
Standby Mode P_{SB}		kW	0.236	0.245	0.248
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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Technical Data DCF

Ecodesign

	Notes:	Units	DCF058DX-12DVV0	DCF062DX-12FVW0	DCF065DX-12FWW0
SEPR	1,3,5		6.37	6.34	6.21
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	624583	670522	715704
Rated Refrigerant Capacity P_A	1,3,5	kW	536.7	573.3	599.6
Rated Power Input D_A		kW	192.4	209.2	225.4
Rated $EER_{DC,A}$			2.79	2.74	2.66
Declared Refrigerant Capacity P_B	1,3,5	kW	515.2 / 421.6	551.2 / 456.0	582.1 / 480.2
Declared Power Input D_B		kW	129.6 / 101.2	138.6 / 110.1	152.2 / 118.1
Declared $EER_{DC,B}$			3.98 / 4.17	3.98 / 4.14	3.83 / 4.07
Declared Refrigerant Capacity P_C	1,3,5	kW	562.4 / 456.3	603.4 / 495.4	521.6 / 395.3
Declared Power Input D_C		kW	108.3 / 84.3	116.4 / 92.2	99.1 / 73.4
Declared $EER_{DC,C}$			5.19 / 5.41	5.18 / 5.37	5.26 / 5.38
Declared Refrigerant Capacity P_D	1,3,5	kW	428.7 / 358.8	457.9 / 384.8	478.9 / 414.3
Declared Power Input D_D		kW	45.4 / 54.9	48.9 / 58.3	51.9 / 63.7
Declared $EER_{DC,D}$			9.44 / 6.53	9.37 / 6.60	9.24 / 6.50
SSCEE	2,3,5	%	165.9	164.2	160.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		537.4	574.1	600.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	536.7	573.3	599.6
Declared EER_d 35°C			2.79	2.74	2.66
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	417.7 / 314.9	449.5 / 334.5	472.0 / 357.0
Declared EER_d 30°C			3.72 / 3.79	3.69 / 3.81	3.62 / 3.70
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	345.9 / 233.9	368.0 / 253.1	393.2 / 266.8
Declared EER_d 25°C			4.53 / 4.73	4.55 / 4.70	4.41 / 4.62
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	126.8 / 0.0	129.6 / 0.0	144.3 / 0.0
Declared EER_d 20°C			5.20 / 0	5.14 / 0	5.01 / 0
Sound Power Level LWA		dB(A)	88	89	89
Air flow rate		m³/h	172694	172694	172694
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.328	4.096	4.561
Standby Mode P_{SB}		kW	0.248	0.248	0.248
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF050DX-13DXY0	DCF053DX-13DPY0	DCF055DX-14DPV0
SEPR	1,3,5		6.77	6.68	6.71
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	511500	536796	556751
Rated Refrigerant Capacity P_A	1,3,5	kW	467.1	483.7	504.5
Rated Power Input D_A		kW	152.1	157.0	161.7
Rated $EER_{DC,A}$			3.07	3.08	3.12
Declared Refrigerant Capacity P_B	1,3,5	kW	525.1 / 431.5	544.5 / 449.8	567.6 / 464.6
Declared Power Input D_B		kW	126.3 / 100.8	130.6 / 104.9	134.0 / 107.3
Declared $EER_{DC,B}$			4.16 / 4.28	4.17 / 4.29	4.24 / 4.33
Declared Refrigerant Capacity P_C	1,3,5	kW	468.6 / 387.7	489.1 / 382.3	504.7 / 390.1
Declared Power Input D_C		kW	84.2 / 68.0	88.1 / 68.2	90.0 / 69.4
Declared $EER_{DC,C}$			5.56 / 5.70	5.55 / 5.60	5.60 / 5.62
Declared Refrigerant Capacity P_D	1,3,5	kW	373.0 / 289.7	386.3 / 256.0	402.9 / 263.5
Declared Power Input D_D		kW	36.9 / 43.3	39.0 / 39.2	40.6 / 40.5
Declared $EER_{DC,D}$			10.10 / 6.69	9.89 / 6.52	9.93 / 6.51

SSCEE	2,3,5	%	172.8	167.7	167.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		467.7	484.4	505.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	467.1	483.7	504.5
Declared EER_d 35°C			3.07	3.08	3.12
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	353.0 / 255.3	445.1 / 345.8	459.3 / 352.7
Declared EER_d 30°C			3.91 / 4.00	3.84 / 3.86	3.87 / 3.87
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	280.9 / 196.7	249.3 / 136.9	257.0 / 136.8
Declared EER_d 25°C			4.78 / 4.85	4.81 / 4.53	4.83 / 4.49
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	214.7 / 94.3	149.6 / 0.0	149.5 / 0.0
Declared EER_d 20°C			5.74 / 5.34	5.31 / 0	5.25 / 0
Sound Power Level LWA		dB(A)	87	87	88
Air flow rate		m³/h	187085	187085	201476
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.045	3.741	4.049
Standby Mode P_{SB}		kW	0.251	0.239	0.242
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF057DX-13DYV0	DCF057DX-14DYY0	DCF060DX-14DVV0
SEPR	1,3,5		6.48	6.58	6.55
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	606957	588590	624338
Rated Refrigerant Capacity P_A	1,3,5	kW	530.8	522.7	552.2
Rated Power Input D_A		kW	182.4	173.7	185.9
Rated $EER_{DC,A}$			2.91	3.01	2.97
Declared Refrigerant Capacity P_B	1,3,5	kW	500.2 / 410.7	493.6 / 399.9	524.0 / 425.2
Declared Power Input D_B		kW	123.2 / 96.8	118.2 / 92.7	126.1 / 98.9
Declared $EER_{DC,B}$			4.06 / 4.24	4.18 / 4.31	4.15 / 4.30
Declared Refrigerant Capacity P_C	1,3,5	kW	545.7 / 445.3	535.7 / 433.4	569.9 / 461.0
Declared Power Input D_C		kW	103.3 / 80.8	99.0 / 77.3	105.6 / 82.5
Declared $EER_{DC,C}$			5.28 / 5.51	5.41 / 5.61	5.40 / 5.59
Declared Refrigerant Capacity P_D	1,3,5	kW	424.0 / 344.1	417.5 / 336.7	441.1 / 358.8
Declared Power Input D_D		kW	44.1 / 52.7	43.2 / 51.3	45.8 / 54.7
Declared $EER_{DC,D}$			9.61 / 6.53	9.68 / 6.56	9.62 / 6.57
SSCEE	2,3,5	%	168.3	171.7	170.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		531.4	523.3	552.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	530.8	522.7	552.2
Declared EER_d 35°C			2.91	3.01	2.97
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	407.2 / 303.0	396.1 / 298.3	421.6 / 317.5
Declared EER_d 30°C			3.79 / 3.83	3.86 / 3.92	3.84 / 3.90
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	332.7 / 227.4	327.3 / 220.9	348.6 / 235.3
Declared EER_d 25°C			4.58 / 4.78	4.68 / 4.83	4.66 / 4.82
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	118.9 / 0.0	119.6 / 0.0	127.5 / 0.0
Declared EER_d 20°C			5.20 / 0	5.34 / 0	5.31 / 0
Sound Power Level LWA		dB(A)	88	87	88
Air flow rate		m³/h	187085	201476	201476
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	3.144	2.940	3.342
Standby Mode P_{SB}		kW	0.251	0.254	0.254
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF064DX-14FVW0	DCF068DX-14FWW0	DCF069TX-13GPPY
SEPR	1,3,5		6.55	6.42	5.99
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	669681	715790	795780
Rated Refrigerant Capacity P_A	1,3,5	kW	591.7	620.1	643.8
Rated Power Input D_A		kW	202.6	217.6	242.9
Rated $EER_{DC,A}$			2.92	2.85	2.65
Declared Refrigerant Capacity P_B	1,3,5	kW	561.4 / 460.8	594.2 / 485.8	651.4 / 557.7
Declared Power Input D_B		kW	135.0 / 107.6	147.4 / 115.4	172.7 / 147.4
Declared $EER_{DC,B}$			4.16 / 4.28	4.03 / 4.21	3.77 / 3.78
Declared Refrigerant Capacity P_C	1,3,5	kW	611.9 / 500.4	649.4 / 527.1	614.7 / 494.7
Declared Power Input D_C		kW	113.4 / 90.1	123.8 / 96.5	123.5 / 95.7
Declared $EER_{DC,C}$			5.40 / 5.56	5.25 / 5.46	4.98 / 5.17
Declared Refrigerant Capacity P_D	1,3,5	kW	472.6 / 384.7	495.3 / 414.3	514.3 / 389.4
Declared Power Input D_D		kW	49.0 / 58.0	52.3 / 63.0	57.9 / 59.6
Declared $EER_{DC,D}$			9.64 / 6.63	9.47 / 6.57	8.89 / 6.54
SSCEE	2,3,5	%	168.7	165.6	154.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		592.5	620.8	644.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	591.7	620.1	643.8
Declared EER_d 35°C			2.92	2.85	2.65
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	456.0 / 337.5	480.5 / 362.0	545.9 / 442.2
Declared EER_d 30°C			3.82 / 3.91	3.76 / 3.82	3.33 / 3.49
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	371.0 / 254.7	397.5 / 268.6	372.7 / 264.0
Declared EER_d 25°C			4.68 / 4.79	4.56 / 4.73	4.53 / 4.39
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	130.4 / 0.0	145.3 / 0.0	143.0 / 0.0
Declared EER_d 20°C			5.23 / 0	5.14 / 0	4.78 / 0
Sound Power Level LWA		dB(A)	89	90	89
Air flow rate		m³/h	201476	201476	187085
Off mode P_{OFF}		kW	0.137	0.137	0.149
Thermostat-off mode P_{TO}		kW	4.167	4.295	4.318
Standby Mode P_{SB}		kW	0.254	0.254	0.275
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF075TX-14GPYY	DCF059DX-15DYV0	DCF061DX-16DVV0
SEPR	1,3,5		5.97	6.64	6.68
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	861345	606464	625426
Rated Refrigerant Capacity P_A	1,3,5	kW	694.3	543.3	563.8
Rated Power Input D_A		kW	262.0	177.5	182.5
Rated $EER_{DC,A}$			2.65	3.06	3.09
Declared Refrigerant Capacity P_B	1,3,5	kW	707.9 / 624.4	508.0 / 414.2	530.8 / 428.5
Declared Power Input D_B		kW	188.6 / 160.5	120.5 / 95.0	123.8 / 97.2
Declared $EER_{DC,B}$			3.75 / 3.89	4.22 / 4.36	4.29 / 4.41
Declared Refrigerant Capacity P_C	1,3,5	kW	682.5 / 579.5	551.2 / 448.9	574.6 / 464.3
Declared Power Input D_C		kW	134.6 / 113.3	100.8 / 79.1	103.3 / 81.0
Declared $EER_{DC,C}$			5.07 / 5.12	5.47 / 5.67	5.56 / 5.73
Declared Refrigerant Capacity P_D	1,3,5	kW	554.6 / 502.9	434.0 / 344.1	450.4 / 358.8
Declared Power Input D_D		kW	64.2 / 80.9	44.5 / 52.5	46.5 / 54.5
Declared $EER_{DC,D}$			8.64 / 6.22	9.74 / 6.56	9.68 / 6.58

SSCEE	2,3,5	%	155.7	172.3	174.0
SSCEE Tier	6		Not Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		695.1	543.9	564.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	694.3	543.3	563.8
Declared EER_d 35°C			2.65	3.06	3.09
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	518.6 / 424.4	410.3 / 305.2	424.4 / 319.4
Declared EER_d 30°C			3.47 / 3.50	3.90 / 3.93	3.94 / 3.98
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	352.5 / 242.1	335.0 / 228.6	351.0 / 236.4
Declared EER_d 25°C			4.55 / 4.39	4.70 / 4.87	4.77 / 4.90
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	264.1 / 0.0	119.6 / 0.0	128.2 / 0.0
Declared EER_d 20°C			5.15 / 0	5.29 / 0	5.38 / 0
Sound Power Level LWA		dB(A)	89	88	89
Air flow rate		m³/h	201476	215867	230259
Off mode P_{OFF}		kW	0.149	0.137	0.137
Thermostat-off mode P_{TO}		kW	5.157	3.161	3.372
Standby Mode P_{SB}		kW	0.289	0.257	0.260
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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(5) All performance data based upon standard waterside configuration.
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Technical Data DCF

Ecodesign

	Notes:	Units	DCF066DX-16FVW0	DCF069DX-16FWW0	DCF073TX-16GPPY
SEPR	1,3,5		6.69	6.58	6.46
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	671023	715570	771003
Rated Refrigerant Capacity P_A	1,3,5	kW	605.5	635.3	672.3
Rated Power Input D_A		kW	197.9	211.8	231.8
Rated $EER_{DC,A}$			3.06	3	2.9
Declared Refrigerant Capacity P_B	1,3,5	kW	568.8 / 464.4	603.0 / 489.4	671.5 / 576.2
Declared Power Input D_B		kW	132.5 / 105.7	144.2 / 113.2	165.4 / 141.1
Declared $EER_{DC,B}$			4.29 / 4.39	4.18 / 4.32	4.06 / 4.09
Declared Refrigerant Capacity P_C	1,3,5	kW	617.3 / 504.3	656.6 / 531.4	631.5 / 505.2
Declared Power Input D_C		kW	110.9 / 88.4	121.1 / 94.7	118.7 / 92.4
Declared $EER_{DC,C}$			5.57 / 5.70	5.42 / 5.61	5.32 / 5.47
Declared Refrigerant Capacity P_D	1,3,5	kW	483.6 / 384.7	507.5 / 414.3	537.1 / 528.9
Declared Power Input D_D		kW	49.7 / 57.9	52.7 / 62.8	55.1 / 81.0
Declared $EER_{DC,D}$			9.74 / 6.65	9.64 / 6.60	9.75 / 6.53
SSCEE	2,3,5	%	172.3	169.3	163.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		606.2	636.1	673.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	605.5	635.3	672.3
Declared EER_d 35°C			3.06	3	2.9
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	459.4 / 339.6	484.4 / 364.6	566.6 / 454.4
Declared EER_d 30°C			3.92 / 4.00	3.86 / 3.91	3.63 / 3.73
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	373.5 / 255.9	400.2 / 269.9	376.9 / 267.4
Declared EER_d 25°C			4.78 / 4.87	4.67 / 4.80	4.69 / 4.57
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	131.0 / 0.0	146.1 / 0.0	144.8 / 0.0
Declared EER_d 20°C			5.30 / 0	5.21 / 0	4.97 / 0
Sound Power Level LWA		dB(A)	89	90	89
Air flow rate		m³/h	230259	230259	230259
Off mode P_{OFF}		kW	0.137	0.137	0.149
Thermostat-off mode P_{TO}		kW	4.244	4.344	4.374
Standby Mode P_{SB}		kW	0.260	0.260	0.284
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF079TX-15GYYY	DCF082TX-16HYYV	DCF078TX-17GPYY
SEPR	1,3,5		5.98	6.06	6.38
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	913150	930576	839911
Rated Refrigerant Capacity P_A	1,3,5	kW	737.4	760.9	723.1
Rated Power Input D_A		kW	280.4	282.9	251.1
Rated $EER_{DC,A}$			2.63	2.69	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	755.6 / 672.1	769.7 / 686.1	728.1 / 638.4
Declared Power Input D_B		kW	203.7 / 175.5	204.9 / 176.7	181.4 / 154.9
Declared $EER_{DC,B}$			3.71 / 3.83	3.76 / 3.88	4.01 / 4.12
Declared Refrigerant Capacity P_C	1,3,5	kW	733.8 / 638.2	747.1 / 651.5	696.0 / 591.3
Declared Power Input D_C		kW	147.2 / 123.6	147.8 / 124.2	130.1 / 109.7
Declared $EER_{DC,C}$			4.98 / 5.16	5.05 / 5.24	5.35 / 5.39
Declared Refrigerant Capacity P_D	1,3,5	kW	589.1 / 562.8	607.9 / 566.4	577.7 / 508.7
Declared Power Input D_D		kW	68.2 / 88.1	69.5 / 88.4	61.4 / 78.8
Declared $EER_{DC,D}$			8.64 / 6.39	8.74 / 6.41	9.40 / 6.45
SSCEE	2,3,5	%	156.0	159.1	163.1
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		738.3	761.7	723.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	737.4	760.9	723.1
Declared EER_d 35°C			2.63	2.69	2.88
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	579.2 / 484.8	594.3 / 491.1	630.8 / 533.2
Declared EER_d 30°C			3.56 / 3.61	3.62 / 3.64	3.68 / 3.70
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	430.1 / 326.8	436.4 / 333.3	355.8 / 244.6
Declared EER_d 25°C			4.39 / 4.53	4.43 / 4.60	4.69 / 4.53
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	236.4 / 117.3	235.0 / 116.7	267.0 / 0.0
Declared EER_d 20°C			5.11 / 4.55	5.15 / 4.63	5.32 / 0
Sound Power Level LWA		dB(A)	88	89	89
Air flow rate		m³/h	215867	230259	244650
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	5.812	5.269	5.300
Standby Mode P_{SB}		kW	0.304	0.307	0.298
Crankcase heater mode P_{CK}		kW	0.000	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 DCF

Ecodesign

	Notes:	Units	DCF082TX-18GYYY	DCF085TX-17HYVV	DCF089TX-18HVVV
SEPR	1,3,5		6.33	6.10	6.34
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	896808	952052	955930
Rated Refrigerant Capacity P_A	1,3,5	kW	765.7	783.8	818.1
Rated Power Input D_A		kW	268.7	286.1	290.1
Rated $EER_{DC,A}$			2.85	2.74	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	775.2 / 685.5	794.6 / 700.8	833.7 / 738.7
Declared Power Input D_B		kW	196.4 / 170.0	207.1 / 178.7	210.6 / 182.1
Declared $EER_{DC,B}$			3.95 / 4.03	3.84 / 3.92	3.96 / 4.06
Declared Refrigerant Capacity P_C	1,3,5	kW	746.4 / 645.9	762.7 / 667.2	804.6 / 696.9
Declared Power Input D_C		kW	142.7 / 120.2	149.4 / 125.8	152.5 / 128.4
Declared $EER_{DC,C}$			5.23 / 5.37	5.11 / 5.31	5.28 / 5.43
Declared Refrigerant Capacity P_D	1,3,5	kW	611.7 / 562.7	626.2 / 580.4	653.6 / 609.7
Declared Power Input D_D		kW	65.4 / 87.2	71.6 / 90.2	70.6 / 92.9
Declared $EER_{DC,D}$			9.35 / 6.46	8.74 / 6.44	9.26 / 6.57

SSCEE	2,3,5	%	161.1	160.0	162.9
SSCEE Tier	6		Tier 1 (2018)	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		766.5	784.6	819
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	765.7	783.8	818.1
Declared EER_d 35°C			2.85	2.74	2.82
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	589.8 / 492.5	610.0 / 506.8	636.6 / 531.7
Declared EER_d 30°C			3.71 / 3.74	3.66 / 3.69	3.74 / 3.78
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	434.7 / 329.2	444.0 / 341.0	469.5 / 355.5
Declared EER_d 25°C			4.53 / 4.64	4.46 / 4.63	4.58 / 4.70
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	238.2 / 118.2	243.4 / 116.7	256.9 / 127.5
Declared EER_d 20°C			5.22 / 4.63	5.20 / 4.58	5.29 / 4.71
Sound Power Level LWA		dB(A)	88	89	90
Air flow rate		m³/h	259041	244650	259041
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	5.972	5.537	6.198
Standby Mode P_{SB}		kW	0.313	0.310	0.313
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF092TX-18HVVW	DCF094TX-18HVWW	DCF096TX-18HWWW
SEPR	1,3,5		6.28	6.18	6.07
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	996235	1043093	1085938
Rated Refrigerant Capacity P_A	1,3,5	kW	844	869.8	890
Rated Power Input D_A		kW	305.8	322.1	337.1
Rated $EER_{DC,A}$			2.76	2.7	2.64
Declared Refrigerant Capacity P_B	1,3,5	kW	857.2 / 762.3	887.4 / 785.8	911.7 / 810.7
Declared Power Input D_B		kW	217.9 / 189.3	231.2 / 197.3	243.2 / 209.3
Declared $EER_{DC,B}$			3.93 / 4.03	3.84 / 3.98	3.75 / 3.87
Declared Refrigerant Capacity P_C	1,3,5	kW	830.0 / 722.3	855.3 / 747.6	883.5 / 767.9
Declared Power Input D_C		kW	158.5 / 134.4	165.3 / 141.2	174.9 / 146.6
Declared $EER_{DC,C}$			5.24 / 5.37	5.17 / 5.30	5.05 / 5.24
Declared Refrigerant Capacity P_D	1,3,5	kW	674.3 / 623.6	695.0 / 651.4	711.2 / 674.5
Declared Power Input D_D		kW	73.7 / 94.7	77.4 / 100.0	80.8 / 104.1
Declared $EER_{DC,D}$			9.15 / 6.59	8.98 / 6.51	8.80 / 6.48

SSCEE	2,3,5	%	163.4	160.8	160.5
SSCEE Tier	6		Tier 1 (2018)	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		844.9	870.7	890.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	844	869.8	890
Declared EER_d 35°C			2.76	2.7	2.64
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	658.5 / 543.9	680.4 / 565.8	698.2 / 584.5
Declared EER_d 30°C			3.70 / 3.77	3.65 / 3.70	3.60 / 3.65
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	482.6 / 368.7	495.7 / 381.9	517.7 / 393.5
Declared EER_d 25°C			4.57 / 4.69	4.53 / 4.63	4.45 / 4.62
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	256.8 / 127.5	270.9 / 127.4	284.3 / 141.5
Declared EER_d 20°C			5.33 / 4.77	5.24 / 4.70	5.25 / 4.78
Sound Power Level LWA		dB(A)	90	91	91
Air flow rate		m³/h	259041	259041	259041
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	5.842	6.281	5.648
Standby Mode P_{SB}		kW	0.313	0.313	0.313
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF074TX-19GPPY	DCF079TX-20GPYY	DCF085TX-19HYYV
SEPR	1,3,5		6.72	6.63	6.40
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	762235	831101	911479
Rated Refrigerant Capacity P_A	1,3,5	kW	691.7	743.2	787.3
Rated Power Input D_A		kW	225.3	243.7	272.4
Rated $EER_{DC,A}$			3.07	3.05	2.89
Declared Refrigerant Capacity P_B	1,3,5	kW	685.0 / 588.6	742.1 / 648.2	788.3 / 698.6
Declared Power Input D_B		kW	161.3 / 137.6	177.0 / 151.4	197.7 / 171.3
Declared $EER_{DC,B}$			4.25 / 4.28	4.19 / 4.28	3.99 / 4.08
Declared Refrigerant Capacity P_C	1,3,5	kW	639.1 / 510.5	703.7 / 597.5	758.9 / 658.5
Declared Power Input D_C		kW	115.2 / 90.1	126.8 / 107.0	143.5 / 121.0
Declared $EER_{DC,C}$			5.55 / 5.67	5.55 / 5.59	5.29 / 5.44
Declared Refrigerant Capacity P_D	1,3,5	kW	552.6 / 529.4	593.7 / 509.6	629.0 / 566.3
Declared Power Input D_D		kW	54.6 / 79.7	60.7 / 77.5	66.4 / 87.4
Declared $EER_{DC,D}$			10.12 / 6.65	9.78 / 6.58	9.48 / 6.48

SSCEE	2,3,5	%	169.2	168.2	164.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		692.5	744	788.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	691.7	743.2	787.3
Declared EER_d 35°C			3.07	3.05	2.89
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	580.4 / 462.6	641.0 / 542.2	603.1 / 498.6
Declared EER_d 30°C			3.82 / 3.89	3.83 / 3.85	3.76 / 3.77
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	379.8 / 269.8	358.3 / 246.5	440.7 / 335.5
Declared EER_d 25°C			4.81 / 4.70	4.79 / 4.63	4.57 / 4.70
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	146.2 / 0.0	269.1 / 0.0	236.8 / 117.6
Declared EER_d 20°C			5.10 / 0	5.44 / 0	5.27 / 4.72
Sound Power Level LWA		dB(A)	89	89	89
Air flow rate		m³/h	273432	287823	273432
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	4.413	5.378	5.359
Standby Mode P_{SB}		kW	0.293	0.307	0.316
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF088TX-20HYVV	DCF084TX-21GYYY	DCF087TX-22HYYV
SEPR	1,3,5		6.44	6.55	6.62
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	929904	888988	902676
Rated Refrigerant Capacity P_A	1,3,5	kW	808.5	785.8	806.3
Rated Power Input D_A		kW	275.9	261.9	265.2
Rated $EER_{DC,A}$			2.93	3	3.04
Declared Refrigerant Capacity P_B	1,3,5	kW	811.6 / 712.7	789.1 / 695.2	801.8 / 707.9
Declared Power Input D_B		kW	200.7 / 173.4	191.9 / 166.3	193.2 / 167.7
Declared $EER_{DC,B}$			4.04 / 4.11	4.11 / 4.18	4.15 / 4.22
Declared Refrigerant Capacity P_C	1,3,5	kW	774.1 / 673.6	754.1 / 651.6	766.0 / 663.7
Declared Power Input D_C		kW	145.2 / 122.7	139.4 / 117.7	140.2 / 118.5
Declared $EER_{DC,C}$			5.33 / 5.49	5.41 / 5.54	5.46 / 5.60
Declared Refrigerant Capacity P_D	1,3,5	kW	646.0 / 580.3	627.8 / 562.6	644.2 / 566.3
Declared Power Input D_D		kW	67.9 / 89.4	64.5 / 86.9	65.4 / 87.1
Declared $EER_{DC,D}$			9.51 / 6.49	9.73 / 6.48	9.85 / 6.50

SSCEE	2,3,5	%	164.7	164.8	167.9
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		809.4	786.7	807.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	808.5	785.8	806.3
Declared EER_d 35°C			2.93	3	3.04
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	617.2 / 512.7	594.8 / 496.5	607.7 / 502.3
Declared EER_d 30°C			3.79 / 3.81	3.82 / 3.84	3.86 / 3.87
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	448.2 / 343.1	437.6 / 331.0	443.4 / 337.2
Declared EER_d 25°C			4.59 / 4.72	4.63 / 4.72	4.68 / 4.78
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	245.0 / 117.6	239.5 / 118.9	238.1 / 118.3
Declared EER_d 20°C			5.31 / 4.68	5.30 / 4.69	5.36 / 4.79
Sound Power Level LWA		dB(A)	90	89	89
Air flow rate		m³/h	287823	302214	316606
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	5.614	6.129	5.466
Standby Mode P_{SB}		kW	0.319	0.322	0.325
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCF

Ecodesign

	Notes:	Units	DCF092TX-21HVVV	DCF095TX-21HVVW	DCF097TX-21HVWW	DCF099TX-21HWWW
SEPR	1,3,5		6.66	6.58	6.46	6.38
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	936695	979064	1030239	1068203
Rated Refrigerant Capacity P_A	1,3,5	kW	842.3	870	897.8	919.6
Rated Power Input D_A		kW	280.8	295.9	310.7	324.9
Rated $EER_{DC,A}$			3	2.94	2.89	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	850.0 / 749.8	874.2 / 773.9	906.1 / 798.1	932.0 / 824.6
Declared Power Input D_B		kW	204.1 / 176.8	211.9 / 184.6	224.4 / 192.4	235.3 / 203.4
Declared $EER_{DC,B}$			4.16 / 4.24	4.13 / 4.19	4.04 / 4.15	3.96 / 4.05
Declared Refrigerant Capacity P_C	1,3,5	kW	815.0 / 704.2	840.4 / 729.6	865.9 / 755.1	896.1 / 775.5
Declared Power Input D_C		kW	148.1 / 124.9	154.6 / 131.4	161.2 / 137.9	170.1 / 143.0
Declared $EER_{DC,C}$			5.50 / 5.64	5.44 / 5.55	5.37 / 5.48	5.27 / 5.42
Declared Refrigerant Capacity P_D	1,3,5	kW	673.0 / 609.8	695.1 / 623.6	717.3 / 651.4	734.8 / 674.5
Declared Power Input D_D		kW	68.0 / 91.6	70.9 / 94.2	75.3 / 99.3	77.8 / 103.0
Declared $EER_{DC,D}$			9.90 / 6.66	9.81 / 6.62	9.53 / 6.56	9.45 / 6.55
SSCEE	2,3,5	%	169.8	167.7	165.2	165.2
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		843.1	870.9	898.7	920.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	842.3	870	897.8	919.6
Declared EER_d 35°C			3	2.94	2.89	2.83
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	642.9 / 536.5	666.7 / 548.8	690.4 / 572.6	710.0 / 593.1
Declared EER_d 30°C			3.88 / 3.91	3.82 / 3.88	3.77 / 3.82	3.73 / 3.77
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	472.9 / 357.6	486.1 / 370.9	499.3 / 384.1	522.5 / 396.0
Declared EER_d 25°C			4.73 / 4.84	4.69 / 4.78	4.65 / 4.72	4.57 / 4.71
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	258.5 / 128.3	258.4 / 128.3	272.6 / 128.2	286.2 / 142.4
Declared EER_d 20°C			5.47 / 4.92	5.43 / 4.84	5.34 / 4.77	5.36 / 4.87
Sound Power Level LWA		dB(A)	90	91	91	91
Air flow rate		m^3/h	302214	302214	302214	302214
Off mode P_{OFF}		kW	0.149	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	5.531	5.981	6.453	5.755
Standby Mode P_{SB}		kW	0.322	0.322	0.322	0.322
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000	0.000

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(5) All performance data based upon standard waterside configuration.
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Technical Data DCC

Ecodesign

	Notes:	Units	DCC047DR-08EPV0	DCC049DR-08EYY0	DCC049DR-10EPV0
SEPR	1,3,5		4.99	5.08	5.34
SEPR Tier			Not Compliant	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	696600	717309	668293
Rated Refrigerant Capacity P_A	1,3,5	kW	469.2	491.4	481.8
Rated Power Input D_A		kW	173.1	186.1	166.1
Rated $EER_{DC,A}$			2.71	2.64	2.9
Declared Refrigerant Capacity P_B	1,3,5	kW	523.9 / 429.3	461.3 / 374.1	534.0 / 437.6
Declared Power Input D_B		kW	142.9 / 113.9	126.6 / 97.7	136.5 / 108.9
Declared $EER_{DC,B}$			3.67 / 3.77	3.64 / 3.83	3.91 / 4.02
Declared Refrigerant Capacity P_C	1,3,5	kW	462.2 / 357.2	495.4 / 402.2	471.0 / 364.6
Declared Power Input D_C		kW	95.5 / 73.5	106.2 / 81.7	91.0 / 69.9
Declared $EER_{DC,C}$			4.84 / 4.86	4.66 / 4.92	5.18 / 5.22
Declared Refrigerant Capacity P_D	1,3,5	kW	486.8 / 374.1	425.0 / 318.9	494.1 / 381.4
Declared Power Input D_D		kW	81.8 / 64.3	69.3 / 51.7	78.4 / 61.2
Declared $EER_{DC,D}$			5.95 / 5.82	6.13 / 6.17	6.30 / 6.23
SSCEE	2,3,5	%	155.5	157.6	164.2
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		469.8	492	482.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	469.2	491.4	481.8
Declared EER_d 35°C			2.71	2.64	2.9
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	424.3 / 326.0	371.2 / 280.6	435.1 / 335.2
Declared EER_d 30°C			3.37 / 3.37	3.43 / 3.53	3.59 / 3.62
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	240.5 / 128.0	306.7 / 208.6	243.6 / 130.3
Declared EER_d 25°C			4.48 / 4.19	4.20 / 4.48	4.67 / 4.43
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	139.3 / 0.0	112.8 / 0.0	141.9 / 0.0
Declared EER_d 20°C			4.91 / 0	5.01 / 0	5.19 / 0
Sound Power Level LWA		dB(A)	92	92	91
Air flow rate		m³/h	185595	185595	231994
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	1.968	2.190	2.256
Standby Mode P_{SB}		kW	0.224	0.236	0.230
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC051DR-10EYY0	DCC052DR-09DYV0	DCC056DR-10DVV0
SEPR	1,3,5		5.31	5.32	5.48
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	704726	731724	750837
Rated Refrigerant Capacity P_A	1,3,5	kW	504.8	525	555
Rated Power Input D_A		kW	180.3	190.2	195.4
Rated $EER_{DC,A}$			2.8	2.76	2.84
Declared Refrigerant Capacity P_B	1,3,5	kW	558.1 / 468.8	584.7 / 487.7	615.4 / 517.3
Declared Power Input D_B		kW	148.5 / 121.4	157.5 / 128.2	160.4 / 131.0
Declared $EER_{DC,B}$			3.76 / 3.86	3.71 / 3.80	3.84 / 3.95
Declared Refrigerant Capacity P_C	1,3,5	kW	503.5 / 407.9	524.8 / 429.4	558.1 / 452.7
Declared Power Input D_C		kW	101.5 / 78.6	107.5 / 82.8	109.8 / 84.9
Declared $EER_{DC,C}$			4.96 / 5.19	4.88 / 5.19	5.09 / 5.33
Declared Refrigerant Capacity P_D	1,3,5	kW	426.2 / 319.5	453.2 / 336.0	477.5 / 358.0
Declared Power Input D_D		kW	67.1 / 50.7	70.4 / 52.6	72.4 / 54.5
Declared $EER_{DC,D}$			6.35 / 6.31	6.44 / 6.39	6.60 / 6.57

SSCEE	2,3,5	%	163.3	165.4	167.3
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		505.4	525.4	555.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	504.8	525	555
Declared EER_d 35°C			2.8	2.76	2.84
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	376.8 / 284.4	394.6 / 293.9	414.9 / 312.7
Declared EER_d 30°C			3.60 / 3.68	3.58 / 3.65	3.68 / 3.76
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	310.7 / 210.5	321.8 / 221.1	342.9 / 232.1
Declared EER_d 25°C			4.39 / 4.61	4.36 / 4.69	4.50 / 4.74
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	113.9 / 0.0	115.2 / 0.0	125.4 / 0.0
Declared EER_d 20°C			5.15 / 0	5.21 / 0	5.28 / 0
Sound Power Level LWA		dB(A)	91	93	93
Air flow rate		m³/h	231994	208794	231994
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.522	1.827	2.728
Standby Mode P_{SB}		kW	0.242	0.239	0.242
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC058DR-10DVW0	DCC061DR-10DWW0	DCC065TR-10GPPY
SEPR	1,3,5		5.38	5.26	5.00
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	798505	864150	964163
Rated Refrigerant Capacity P_A	1,3,5	kW	579.7	614	651
Rated Power Input D_A		kW	209.3	224.9	245.7
Rated $EER_{DC,A}$			2.77	2.73	2.65
Declared Refrigerant Capacity P_B	1,3,5	kW	645.0 / 537.0	577.7 / 468.4	646.0 / 555.1
Declared Power Input D_B		kW	172.7 / 138.3	152.8 / 118.2	176.4 / 150.5
Declared $EER_{DC,B}$			3.73 / 3.88	3.78 / 3.96	3.66 / 3.69
Declared Refrigerant Capacity P_C	1,3,5	kW	578.7 / 473.8	622.5 / 505.5	599.4 / 481.5
Declared Power Input D_C		kW	115.8 / 90.9	128.4 / 99.1	126.9 / 97.3
Declared $EER_{DC,C}$			5.00 / 5.21	4.85 / 5.10	4.72 / 4.95
Declared Refrigerant Capacity P_D	1,3,5	kW	500.4 / 368.9	536.2 / 402.3	632.4 / 507.0
Declared Power Input D_D		kW	77.3 / 56.3	84.4 / 63.2	109.9 / 84.2
Declared $EER_{DC,D}$			6.48 / 6.55	6.36 / 6.37	5.75 / 6.02
SSCEE	2,3,5	%	166.6	160.0	154.0
SSCEE Tier	6		Tier 1 (2018)	Not Compliant	Not Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5		580.2	614.7	651.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	579.7	614	651
Declared EER_d 35°C			2.77	2.73	2.65
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	435.2 / 323.2	463.4 / 350.0	545.6 / 437.8
Declared EER_d 30°C			3.60 / 3.74	3.53 / 3.63	3.29 / 3.43
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	354.1 / 244.0	383.3 / 260.1	362.8 / 257.0
Declared EER_d 25°C			4.46 / 4.68	4.32 / 4.57	4.40 / 4.27
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	125.2 / 0.0	140.6 / 0.0	138.9 / 0.0
Declared EER_d 20°C			5.33 / 0	5.04 / 0	4.75 / 0
Sound Power Level LWA		dB(A)	94	94	94
Air flow rate		m³/h	231994	231994	231994
Off mode P_{OFF}		kW	0.137	0.137	0.149
Thermostat-off mode P_{TO}		kW	2.483	3.705	3.036
Standby Mode P_{SB}		kW	0.242	0.242	0.266
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC050DR-12EPV0	DCC052DR-12EYY0	DCC054DR-11DYV0
SEPR	1,3,5		5.60	5.45	5.54
SEPR Tier			Tier 2 (2021)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	647069	695330	716966
Rated Refrigerant Capacity P_A	1,3,5	kW	488.8	511.7	535.8
Rated Power Input D_A		kW	160.8	174.6	183.5
Rated $EER_{DC,A}$			3.04	2.93	2.92
Declared Refrigerant Capacity P_B	1,3,5	kW	541.1 / 443.2	565.3 / 474.3	594.0 / 495.0
Declared Power Input D_B		kW	132.0 / 105.4	143.6 / 117.8	151.2 / 123.3
Declared $EER_{DC,B}$			4.10 / 4.20	3.94 / 4.03	3.93 / 4.01
Declared Refrigerant Capacity P_C	1,3,5	kW	477.2 / 369.6	509.5 / 412.0	533.0 / 435.0
Declared Power Input D_C		kW	87.9 / 67.5	98.3 / 76.5	103.1 / 80.0
Declared $EER_{DC,C}$			5.43 / 5.48	5.18 / 5.39	5.17 / 5.44
Declared Refrigerant Capacity P_D	1,3,5	kW	498.7 / 386.1	426.2 / 319.5	454.4 / 337.3
Declared Power Input D_D		kW	76.2 / 59.2	66.6 / 50.4	68.7 / 51.4
Declared $EER_{DC,D}$			6.55 / 6.52	6.40 / 6.34	6.61 / 6.56
SSCEE	2,3,5	%	170.4	167.9	171.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		489.3	512.2	536.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	488.8	511.7	535.8
Declared EER_d 35°C			3.04	2.93	2.92
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	440.9 / 339.9	380.9 / 287.1	399.9 / 297.6
Declared EER_d 30°C			3.76 / 3.79	3.74 / 3.80	3.75 / 3.81
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	245.7 / 131.9	313.6 / 211.9	325.8 / 222.9
Declared EER_d 25°C			4.81 / 4.59	4.53 / 4.72	4.55 / 4.82
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	143.7 / 0.0	114.7 / 0.0	116.3 / 0.0
Declared EER_d 20°C			5.39 / 0	5.25 / 0	5.37 / 0
Sound Power Level LWA		dB(A)	90	89	91
Air flow rate		m³/h	278393	278393	255193
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.312	2.574	1.932
Standby Mode P_{SB}		kW	0.236	0.248	0.245
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC058DR-12DVV0	DCC060DR-12DVW0	DCC063DR-12DWW0
SEPR	1,3,5		5.65	5.56	5.46
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	737602	786954	852944
Rated Refrigerant Capacity P_A	1,3,5	kW	562.2	590.3	628.6
Rated Power Input D_A		kW	188.7	202.9	219.0
Rated $EER_{DC,A}$			2.98	2.91	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	624.7 / 524.4	654.4 / 544.3	697.1 / 585.7
Declared Power Input D_B		kW	154.8 / 126.8	166.5 / 133.8	180.6 / 147.8
Declared $EER_{DC,B}$			4.03 / 4.13	3.93 / 4.07	3.86 / 3.96
Declared Refrigerant Capacity P_C	1,3,5	kW	565.6 / 457.9	586.4 / 479.3	631.3 / 511.8
Declared Power Input D_C		kW	106.0 / 82.5	111.8 / 88.2	123.9 / 96.1
Declared $EER_{DC,C}$			5.33 / 5.55	5.25 / 5.43	5.10 / 5.33
Declared Refrigerant Capacity P_D	1,3,5	kW	477.5 / 357.9	500.7 / 368.8	537.5 / 402.9
Declared Power Input D_D		kW	71.5 / 54.1	75.8 / 55.9	82.1 / 62.1
Declared $EER_{DC,D}$			6.68 / 6.62	6.61 / 6.59	6.55 / 6.49
SSCEE	2,3,5	%	172.3	171.6	164.7
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		562.8	590.9	629.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	562.2	590.3	628.6
Declared EER_d 35°C			2.98	2.91	2.87
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	419.9 / 316.1	440.6 / 326.7	469.4 / 353.9
Declared EER_d 30°C			3.83 / 3.89	3.75 / 3.87	3.68 / 3.76
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	346.5 / 233.8	357.8 / 245.9	387.5 / 262.2
Declared EER_d 25°C			4.66 / 4.85	4.62 / 4.80	4.48 / 4.68
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	126.3 / 0.0	126.1 / 0.0	141.8 / 0.0
Declared EER_d 20°C			5.39 / 0	5.44 / 0	5.14 / 0
Sound Power Level LWA		dB(A)	91	92	93
Air flow rate		m³/h	278393	278393	278393
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.807	2.581	3.930
Standby Mode P_{SB}		kW	0.248	0.248	0.248
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC069TR-11GPYY	DCC074TR-12GYYY	DCC056DR-13DYV0
SEPR	1,3,5		5.01	5.18	5.68
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1021846	1071155	708301
Rated Refrigerant Capacity P_A	1,3,5	kW	691.5	748.9	542.8
Rated Power Input D_A		kW	261.9	280.5	178.6
Rated $EER_{DC,A}$			2.64	2.67	3.04
Declared Refrigerant Capacity P_B	1,3,5	kW	688.4 / 601.3	750.8 / 662.0	601.2 / 500.7
Declared Power Input D_B		kW	189.5 / 160.7	205.2 / 176.2	146.6 / 119.8
Declared $EER_{DC,B}$			3.63 / 3.74	3.66 / 3.76	4.10 / 4.18
Declared Refrigerant Capacity P_C	1,3,5	kW	647.8 / 550.7	713.6 / 618.6	539.1 / 439.1
Declared Power Input D_C		kW	134.8 / 113.0	148.0 / 123.3	100.0 / 78.0
Declared $EER_{DC,C}$			4.81 / 4.87	4.82 / 5.02	5.39 / 5.63
Declared Refrigerant Capacity P_D	1,3,5	kW	579.9 / 473.9	656.4 / 547.5	454.4 / 337.3
Declared Power Input D_D		kW	97.3 / 79.8	104.9 / 87.0	68.3 / 51.1
Declared $EER_{DC,D}$			5.96 / 5.94	6.26 / 6.29	6.66 / 6.60

SSCEE	2,3,5	%	156.7	160.3	176.2
SSCEE Tier	6		Not Compliant	Not Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		692.1	749.5	543.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	691.5	748.9	542.8
Declared EER_d 35°C			2.64	2.67	3.04
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	594.7 / 503.9	567.6 / 475.0	404.0 / 300.4
Declared EER_d 30°C			3.34 / 3.38	3.48 / 3.54	3.88 / 3.93
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	336.9 / 231.9	419.7 / 319.4	328.8 / 224.3
Declared EER_d 25°C			4.47 / 4.36	4.34 / 4.56	4.69 / 4.92
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	252.3 / 0.0	230.8 / 114.8	117.2 / 0.0
Declared EER_d 20°C			5.13 / 0	5.25 / 4.90	5.48 / 0
Sound Power Level LWA		dB(A)	94	94	90
Air flow rate		m³/h	255193	278393	301592
Off mode P_{OFF}		kW	0.149	0.149	0.137
Thermostat-off mode P_{TO}		kW	2.456	3.202	2.008
Standby Mode P_{SB}		kW	0.280	0.295	0.251
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC059DR-14DVV0	DCC061DR-14DVW0	DCC065DR-14DWW0
SEPR	1,3,5		5.77	5.68	5.59
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	731271	777831	842450
Rated Refrigerant Capacity P_A	1,3,5	kW	569.2	596.8	636
Rated Power Input D_A		kW	183.6	197.0	212.7
Rated $EER_{DC,A}$			3.1	3.03	2.99
Declared Refrigerant Capacity P_B	1,3,5	kW	631.6 / 529.7	661.8 / 549.9	705.3 / 592.0
Declared Power Input D_B		kW	150.6 / 123.7	161.8 / 130.5	175.4 / 143.9
Declared $EER_{DC,B}$			4.19 / 4.28	4.09 / 4.22	4.02 / 4.11
Declared Refrigerant Capacity P_C	1,3,5	kW	571.3 / 461.9	592.4 / 483.5	638.2 / 516.6
Declared Power Input D_C		kW	103.3 / 80.7	108.8 / 86.2	120.4 / 93.9
Declared $EER_{DC,C}$			5.53 / 5.73	5.45 / 5.61	5.30 / 5.50
Declared Refrigerant Capacity P_D	1,3,5	kW	477.4 / 357.9	500.6 / 368.9	537.5 / 403.0
Declared Power Input D_D		kW	71.2 / 53.9	75.3 / 55.8	81.5 / 61.8
Declared $EER_{DC,D}$			6.71 / 6.64	6.65 / 6.61	6.60 / 6.52
SSCEE	2,3,5	%	176.1	175.6	168.5
SSCEE Tier		6	Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		569.8	597.3	636.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	569.2	596.8	636
Declared EER_d 35°C			3.1	3.03	2.99
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	423.8 / 318.6	444.8 / 329.3	474.1 / 356.9
Declared EER_d 30°C			3.94 / 4.00	3.87 / 3.97	3.80 / 3.86
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	349.2 / 235.1	360.6 / 247.3	390.8 / 263.8
Declared EER_d 25°C			4.78 / 4.94	4.74 / 4.89	4.60 / 4.77
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	127.1 / 0.0	126.9 / 0.0	142.6 / 0.0
Declared EER_d 20°C			5.47 / 0	5.52 / 0	5.22 / 0
Sound Power Level LWA		dB(A)	90	91	92
Air flow rate		m³/h	324791	324791	324791
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.909	2.677	4.074
Standby Mode P_{SB}		kW	0.254	0.254	0.254
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC068TR-13GPPY	DCC072TR-14GPYY	DCC077TR-13GYYV
SEPR	1,3,5		5.35	5.34	5.25
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	937526	991669	1090337
Rated Refrigerant Capacity P_A	1,3,5	kW	676.7	714.2	772.1
Rated Power Input D_A		kW	235.8	252.4	283.9
Rated $EER_{DC,A}$			2.87	2.83	2.72
Declared Refrigerant Capacity P_B	1,3,5	kW	661.3 / 568.5	702.0 / 612.9	765.6 / 676.8
Declared Power Input D_B		kW	167.6 / 142.9	180.7 / 153.6	206.5 / 177.4
Declared $EER_{DC,B}$			3.95 / 3.98	3.88 / 3.99	3.71 / 3.81
Declared Refrigerant Capacity P_C	1,3,5	kW	613.8 / 491.5	660.3 / 561.2	729.5 / 634.5
Declared Power Input D_C		kW	119.9 / 92.7	128.4 / 107.7	148.8 / 124.1
Declared $EER_{DC,C}$			5.12 / 5.30	5.14 / 5.21	4.90 / 5.11
Declared Refrigerant Capacity P_D	1,3,5	kW	647.1 / 514.3	587.8 / 481.3	671.3 / 554.3
Declared Power Input D_D		kW	103.8 / 80.9	93.1 / 76.7	105.6 / 87.8
Declared $EER_{DC,D}$			6.24 / 6.35	6.31 / 6.28	6.36 / 6.31
SSCEE	2,3,5	%	162.7	164.5	162.3
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		677.3	714.8	772.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	676.7	714.2	772.1
Declared EER_d 35°C			2.87	2.83	2.72
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	563.6 / 449.4	608.8 / 516.0	582.4 / 482.0
Declared EER_d 30°C			3.55 / 3.66	3.57 / 3.61	3.54 / 3.57
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	368.5 / 261.7	341.2 / 235.3	427.5 / 327.2
Declared EER_d 25°C			4.62 / 4.51	4.66 / 4.56	4.39 / 4.63
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	284.9 / 141.5	256.0 / 0.0	230.8 / 114.8
Declared EER_d 20°C			5.30 / 4.99	5.37 / 0	5.25 / 4.92
Sound Power Level LWA		dB(A)	93	93	94
Air flow rate		m³/h	301592	324791	301592
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.615	3.047	3.144
Standby Mode P_{SB}		kW	0.275	0.289	0.298
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC080TR-14GYVV	DCC070TR-16GPPY	DCC077TR-15GYYY
SEPR	1,3,5		5.32	5.61	5.44
SEPR Tier			Tier 1 (2018)	Tier 2 (2021)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	1107358	908206	1049038
Rated Refrigerant Capacity P_A	1,3,5	kW	795.3	687.5	770.8
Rated Power Input D_A		kW	288.2	227.6	270.5
Rated $EER_{DC,A}$			2.76	3.02	2.85
Declared Refrigerant Capacity P_B	1,3,5	kW	788.3 / 691.6	671.5 / 577.3	763.8 / 672.9
Declared Power Input D_B		kW	208.2 / 179.0	161.5 / 137.7	196.2 / 169.0
Declared $EER_{DC,B}$			3.79 / 3.86	4.16 / 4.19	3.89 / 3.98
Declared Refrigerant Capacity P_C	1,3,5	kW	745.3 / 650.3	623.5 / 498.2	725.7 / 628.1
Declared Power Input D_C		kW	149.9 / 125.2	115.2 / 89.6	141.4 / 118.3
Declared $EER_{DC,C}$			4.97 / 5.20	5.41 / 5.56	5.13 / 5.31
Declared Refrigerant Capacity P_D	1,3,5	kW	686.2 / 569.2	656.6 / 519.1	660.1 / 550.0
Declared Power Input D_D		kW	106.6 / 88.8	99.7 / 78.8	100.9 / 84.3
Declared $EER_{DC,D}$			6.44 / 6.41	6.59 / 6.58	6.54 / 6.53

SSCEE	2,3,5	%	163.5	169.2	167.5
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		796	688.2	771.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	795.3	687.5	770.8
Declared EER_d 35°C			2.76	3.02	2.85
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	597.2 / 496.8	572.6 / 455.6	576.5 / 481.9
Declared EER_d 30°C			3.59 / 3.63	3.75 / 3.84	3.67 / 3.72
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	435.2 / 335.1	372.3 / 264.8	425.0 / 322.6
Declared EER_d 25°C			4.42 / 4.67	4.78 / 4.69	4.54 / 4.73
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	239.5 / 114.8	288.5 / 143.3	233.3 / 116.1
Declared EER_d 20°C			5.33 / 4.87	5.51 / 5.16	5.44 / 5.08
Sound Power Level LWA		dB(A)	95	91	93
Air flow rate		m³/h	324791	371190	347991
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.383	3.809	3.195
Standby Mode P_{SB}		kW	0.301	0.284	0.304
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC080TR-16GYYV	DCC083TR-15GVVV	DCC086TR-15GVVW
SEPR	1,3,5		5.48	5.41	5.45
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	1068348	1120757	1161595
Rated Refrigerant Capacity P_A	1,3,5	kW	790.2	818.5	854
Rated Power Input D_A		kW	274.4	291.3	306.1
Rated $EER_{DC,A}$			2.88	2.81	2.79
Declared Refrigerant Capacity P_B	1,3,5	kW	778.1 / 687.1	810.9 / 714.3	842.6 / 745.3
Declared Power Input D_B		kW	198.1 / 170.8	210.0 / 180.8	217.6 / 188.3
Declared $EER_{DC,B}$			3.93 / 4.02	3.86 / 3.95	3.87 / 3.96
Declared Refrigerant Capacity P_C	1,3,5	kW	740.9 / 643.3	769.8 / 666.2	804.9 / 700.1
Declared Power Input D_C		kW	142.9 / 119.8	151.0 / 126.3	157.5 / 132.7
Declared $EER_{DC,C}$			5.19 / 5.37	5.10 / 5.27	5.11 / 5.28
Declared Refrigerant Capacity P_D	1,3,5	kW	673.7 / 556.8	701.0 / 584.0	740.7 / 608.5
Declared Power Input D_D		kW	102.7 / 85.4	107.6 / 89.9	112.8 / 91.8
Declared $EER_{DC,D}$			6.56 / 6.52	6.51 / 6.50	6.57 / 6.63

SSCEE	2,3,5	%	168.2	165.8	169.0
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		790.9	819.2	854.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	790.2	818.5	854
Declared EER_d 35°C			2.88	2.81	2.79
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	590.8 / 488.7	612.0 / 511.6	641.8 / 529.7
Declared EER_d 30°C			3.71 / 3.74	3.63 / 3.69	3.63 / 3.73
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	432.6 / 330.2	451.5 / 342.9	470.8 / 360.8
Declared EER_d 25°C			4.57 / 4.76	4.51 / 4.70	4.56 / 4.75
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	233.2 / 116.0	248.1 / 123.5	252.0 / 125.4
Declared EER_d 20°C			5.42 / 5.04	5.40 / 5.03	5.55 / 5.24
Sound Power Level LWA		dB(A)	93	95	95
Air flow rate		m³/h	371190	347991	347991
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.393	3.669	2.970
Standby Mode P_{SB}		kW	0.307	0.304	0.304
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC088TR-15GVWW	DCC091TR-15GWWW	DCC074TR-17GPYY
SEPR	1,3,5		5.37	5.29	5.58
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1216800	1274915	962731
Rated Refrigerant Capacity P_A	1,3,5	kW	881.9	909.9	724.7
Rated Power Input D_A		kW	320.7	335.8	243.2
Rated $EER_{DC,A}$			2.75	2.71	2.98
Declared Refrigerant Capacity P_B	1,3,5	kW	876.0 / 768.1	909.5 / 801.6	711.7 / 620.9
Declared Power Input D_B		kW	230.7 / 196.2	243.7 / 209.3	174.3 / 148.5
Declared $EER_{DC,B}$			3.80 / 3.91	3.73 / 3.83	4.08 / 4.18
Declared Refrigerant Capacity P_C	1,3,5	kW	829.0 / 724.3	864.0 / 748.5	669.0 / 568.3
Declared Power Input D_C		kW	164.1 / 139.3	175.2 / 146.1	123.7 / 103.9
Declared $EER_{DC,C}$			5.05 / 5.20	4.93 / 5.12	5.41 / 5.47
Declared Refrigerant Capacity P_D	1,3,5	kW	767.3 / 635.1	793.8 / 661.6	592.5 / 485.8
Declared Power Input D_D		kW	118.3 / 97.3	123.9 / 102.9	90.5 / 74.4
Declared $EER_{DC,D}$			6.48 / 6.53	6.41 / 6.43	6.54 / 6.53
SSCEE	2,3,5	%	166.9	164.0	171.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		882.6	910.6	725.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	881.9	909.9	724.7
Declared EER_d 35°C			2.75	2.71	2.98
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	664.4 / 552.4	687.1 / 575.2	617.1 / 522.9
Declared EER_d 30°C			3.58 / 3.66	3.54 / 3.60	3.74 / 3.78
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	483.7 / 373.8	508.1 / 386.8	344.2 / 237.6
Declared EER_d 25°C			4.53 / 4.70	4.42 / 4.65	4.81 / 4.73
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	266.0 / 125.4	279.9 / 139.5	258.6 / 0.0
Declared EER_d 20°C			5.45 / 5.19	5.37 / 5.06	5.58 / 0
Sound Power Level LWA		dB(A)	95	96	91
Air flow rate		m³/h	347991	347991	394390
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.206	3.453	2.552
Standby Mode P_{SB}		kW	0.304	0.304	0.298
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC079TR-18GYYY	DCC082TR-17GYVV	DCC085TR-18GVVV
SEPR	1,3,5		5.60	5.52	5.58
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1033846	1086076	1101035
Rated Refrigerant Capacity P_A	1,3,5	kW	781.6	809.6	829
Rated Power Input D_A		kW	262.3	277.3	281.0
Rated $EER_{DC,A}$			2.98	2.92	2.95
Declared Refrigerant Capacity P_B	1,3,5	kW	773.8 / 681.1	799.9 / 701.4	821.8 / 723.2
Declared Power Input D_B		kW	190.0 / 164.0	200.6 / 172.7	203.0 / 175.2
Declared $EER_{DC,B}$			4.07 / 4.15	3.99 / 4.06	4.05 / 4.13
Declared Refrigerant Capacity P_C	1,3,5	kW	734.6 / 635.0	756.1 / 658.5	779.5 / 673.7
Declared Power Input D_C		kW	137.0 / 115.0	144.3 / 121.2	146.1 / 122.6
Declared $EER_{DC,C}$			5.36 / 5.52	5.24 / 5.43	5.34 / 5.49
Declared Refrigerant Capacity P_D	1,3,5	kW	660.1 / 550.0	687.4 / 570.4	701.0 / 584.0
Declared Power Input D_D		kW	99.9 / 83.6	104.5 / 87.2	106.3 / 89.0
Declared $EER_{DC,D}$			6.61 / 6.58	6.58 / 6.54	6.59 / 6.56

SSCEE	2,3,5	%	172.3	169.0	170.9
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		782.2	810.3	829.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	781.6	809.6	829
Declared EER_d 35°C			2.98	2.92	2.95
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	583.2 / 487.0	605.0 / 503.0	619.2 / 517.3
Declared EER_d 30°C			3.81 / 3.85	3.75 / 3.78	3.78 / 3.82
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	428.9 / 324.8	440.2 / 337.8	455.9 / 345.4
Declared EER_d 25°C			4.68 / 4.84	4.59 / 4.79	4.66 / 4.82
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	235.0 / 116.9	241.6 / 116.0	250.0 / 124.5
Declared EER_d 20°C			5.57 / 5.18	5.48 / 5.01	5.53 / 5.13
Sound Power Level LWA		dB(A)	91	93	93
Air flow rate		m³/h	417589	394390	417589
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.315	3.620	3.835
Standby Mode P_{SB}		kW	0.313	0.310	0.313
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC088TR-18GVVW	DCC091TR-18GVWW	DCC094TR-18GWWW
SEPR	1,3,5		5.63	5.56	5.49
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	1143563	1198658	1256784
Rated Refrigerant Capacity P_A	1,3,5	kW	868.6	899.7	930.9
Rated Power Input D_A		kW	295.4	310.2	325.5
Rated $EER_{DC,A}$			2.94	2.9	2.86
Declared Refrigerant Capacity P_B	1,3,5	kW	854.8 / 755.2	888.5 / 778.5	922.3 / 812.3
Declared Power Input D_B		kW	210.3 / 182.4	222.7 / 190.0	235.1 / 202.5
Declared $EER_{DC,B}$			4.06 / 4.14	3.99 / 4.10	3.92 / 4.01
Declared Refrigerant Capacity P_C	1,3,5	kW	815.6 / 708.6	840.1 / 733.1	875.7 / 757.7
Declared Power Input D_C		kW	152.2 / 128.6	158.6 / 135.0	169.1 / 141.5
Declared $EER_{DC,C}$			5.36 / 5.51	5.30 / 5.43	5.18 / 5.36
Declared Refrigerant Capacity P_D	1,3,5	kW	741.1 / 608.4	768.0 / 635.4	795.0 / 662.3
Declared Power Input D_D		kW	110.7 / 90.8	115.7 / 95.8	120.6 / 100.7
Declared $EER_{DC,D}$			6.69 / 6.70	6.64 / 6.64	6.59 / 6.58

SSCEE	2,3,5	%	174.4	172.1	169.2
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		869.2	900.4	931.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	868.6	899.7	930.9
Declared EER_d 35°C			2.94	2.9	2.86
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	649.8 / 535.7	672.8 / 558.8	695.9 / 582.0
Declared EER_d 30°C			3.79 / 3.87	3.74 / 3.80	3.69 / 3.74
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	475.4 / 363.6	488.5 / 376.8	513.4 / 389.9
Declared EER_d 25°C			4.72 / 4.88	4.68 / 4.82	4.58 / 4.77
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	254.0 / 126.4	268.1 / 126.4	282.3 / 140.7
Declared EER_d 20°C			5.69 / 5.35	5.59 / 5.30	5.50 / 5.18
Sound Power Level LWA		dB(A)	94	94	95
Air flow rate		m³/h	417589	417589	417589
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.149	3.430	3.726
Standby Mode P_{SB}		kW	0.313	0.313	0.313
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC082TR-19GYYV	DCC084TR-20GYVV	DCC087TR-21GVVV
SEPR	1,3,5		5.63	5.66	5.69
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1054676	1074354	1092045
Rated Refrigerant Capacity P_A	1,3,5	kW	800.8	820.1	839.3
Rated Power Input D_A		kW	266.0	269.8	274.3
Rated $EER_{DC,A}$			3.01	3.04	3.06
Declared Refrigerant Capacity P_B	1,3,5	kW	787.7 / 694.9	809.0 / 708.8	830.3 / 730.1
Declared Power Input D_B		kW	192.1 / 166.1	195.0 / 168.2	197.8 / 171.1
Declared $EER_{DC,B}$			4.10 / 4.18	4.15 / 4.21	4.20 / 4.27
Declared Refrigerant Capacity P_C	1,3,5	kW	749.4 / 649.8	764.2 / 664.6	786.8 / 679.3
Declared Power Input D_C		kW	138.6 / 116.7	140.3 / 118.3	142.5 / 120.0
Declared $EER_{DC,C}$			5.41 / 5.57	5.45 / 5.62	5.52 / 5.66
Declared Refrigerant Capacity P_D	1,3,5	kW	673.7 / 556.7	687.3 / 570.3	700.9 / 583.9
Declared Power Input D_D		kW	101.9 / 84.8	103.9 / 86.8	106.0 / 88.8
Declared $EER_{DC,D}$			6.61 / 6.57	6.61 / 6.57	6.62 / 6.58

SSCEE	2,3,5	%	172.7	173.2	174.5
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		801.5	820.8	840.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	800.8	820.1	839.3
Declared EER_d 35°C			3.01	3.04	3.06
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	597.1 / 493.7	611.0 / 507.7	624.9 / 521.6
Declared EER_d 30°C			3.84 / 3.86	3.87 / 3.90	3.90 / 3.93
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	436.3 / 332.3	443.8 / 339.9	459.1 / 347.4
Declared EER_d 25°C			4.70 / 4.86	4.72 / 4.88	4.77 / 4.90
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	234.9 / 116.9	243.2 / 116.9	251.5 / 125.2
Declared EER_d 20°C			5.54 / 5.14	5.58 / 5.10	5.62 / 5.19
Sound Power Level LWA		dB(A)	91	91	92
Air flow rate		m³/h	440788	463988	487187
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.546	3.758	4.010
Standby Mode P_{SB}		kW	0.316	0.319	0.322
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC090TR-21GVVW	DCC093TR-21GVWW	DCC096TR-21GWWW
SEPR	1,3,5		5.75	5.69	5.62
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1131174	1183842	1239353
Rated Refrigerant Capacity P_A	1,3,5	kW	878.4	909.5	940.5
Rated Power Input D_A		kW	288.0	302.2	315.6
Rated $EER_{DC,A}$			3.05	3.01	2.98
Declared Refrigerant Capacity P_B	1,3,5	kW	863.9 / 762.8	898.2 / 786.4	932.5 / 820.6
Declared Power Input D_B		kW	204.9 / 178.0	216.8 / 185.4	228.7 / 197.4
Declared $EER_{DC,B}$			4.22 / 4.28	4.14 / 4.24	4.08 / 4.16
Declared Refrigerant Capacity P_C	1,3,5	kW	823.8 / 715.0	848.7 / 739.9	884.8 / 764.7
Declared Power Input D_C		kW	148.3 / 125.7	154.5 / 131.9	164.5 / 138.1
Declared $EER_{DC,C}$			5.55 / 5.69	5.49 / 5.61	5.38 / 5.54
Declared Refrigerant Capacity P_D	1,3,5	kW	741.1 / 608.4	768.1 / 635.4	795.1 / 662.4
Declared Power Input D_D		kW	110.1 / 90.6	114.9 / 95.3	119.7 / 100.1
Declared $EER_{DC,D}$			6.73 / 6.72	6.69 / 6.67	6.64 / 6.62
SSCEE	2,3,5	%	178.3	176.1	173.2
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		879.1	910.1	941.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	878.4	909.5	940.5
Declared EER_d 35°C			3.05	3.01	2.98
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	656.0 / 540.3	679.4 / 563.8	702.8 / 587.3
Declared EER_d 30°C			3.90 / 3.98	3.86 / 3.91	3.81 / 3.86
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	479.0 / 365.8	492.2 / 379.1	517.4 / 392.3
Declared EER_d 25°C			4.84 / 4.97	4.80 / 4.91	4.70 / 4.86
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	255.5 / 127.2	269.8 / 127.2	284.1 / 141.6
Declared EER_d 20°C			5.78 / 5.42	5.69 / 5.37	5.61 / 5.25
Sound Power Level LWA		dB(A)	92	93	93
Air flow rate		m³/h	487187	487187	487187
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.313	3.607	3.916
Standby Mode P_{SB}		kW	0.322	0.322	0.322
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC
Ecodesign

	Notes:	Units	DCC048DX-10EPV0	DCC049DX-10EYY0	DCC049DX-12EPV0
SEPR	1,3,5		5.34	5.33	5.60
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	644851	674437	635171
Rated Refrigerant Capacity P_A	1,3,5	kW	465.1	485	480.3
Rated Power Input D_A		kW	166.1	179.6	160.1
Rated $EER_{DC,A}$			2.8	2.7	3
Declared Refrigerant Capacity P_B	1,3,5	kW	525.0 / 431.8	463.2 / 379.5	538.4 / 441.4
Declared Power Input D_B		kW	136.1 / 108.7	121.2 / 94.1	131.5 / 105.1
Declared $EER_{DC,B}$			3.86 / 3.97	3.82 / 4.03	4.09 / 4.20
Declared Refrigerant Capacity P_C	1,3,5	kW	469.3 / 362.9	502.1 / 407.6	477.2 / 369.6
Declared Power Input D_C		kW	90.7 / 69.6	101.2 / 78.4	87.8 / 67.4
Declared $EER_{DC,C}$			5.18 / 5.22	4.96 / 5.20	5.43 / 5.49
Declared Refrigerant Capacity P_D	1,3,5	kW	381.5 / 249.1	426.3 / 319.5	386.1 / 249.1
Declared Power Input D_D		kW	61.1 / 38.2	66.9 / 50.5	59.1 / 38.2
Declared $EER_{DC,D}$			6.25 / 6.52	6.37 / 6.33	6.53 / 6.51

SSCEE	2,3,5	%	162.9	163.9	170.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		465.6	485.5	480.8
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	465.1	485	480.3
Declared EER_d 35°C			2.8	2.7	3
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	426.6 / 326.7	376.0 / 284.0	437.1 / 336.1
Declared EER_d 30°C			3.53 / 3.53	3.61 / 3.69	3.74 / 3.77
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	243.5 / 130.3	310.8 / 210.6	245.8 / 131.9
Declared EER_d 25°C			4.69 / 4.45	4.40 / 4.64	4.82 / 4.60
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	142.0 / 0.0	113.9 / 0.0	143.7 / 0.0
Declared EER_d 20°C			5.23 / 0	5.20 / 0	5.41 / 0
Sound Power Level LWA		dB(A)	88	86	88
Air flow rate		m³/h	158929	158929	190715
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.061	2.279	2.209
Standby Mode P_{SB}		kW	0.230	0.242	0.236
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC051DX-12EYY0	DCC053DX-11DYV0	DCC056DX-12DVV0
SEPR	1,3,5		5.47	5.55	5.67
SEPR Tier			Tier 1 (2018)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	679206	690081	713265
Rated Refrigerant Capacity P_A	1,3,5	kW	501	517.1	545.4
Rated Power Input D_A		kW	173.4	183.4	187.4
Rated $EER_{DC,A}$			2.89	2.82	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	472.1 / 383.2	488.8 / 403.6	520.0 / 424.1
Declared Power Input D_B		kW	117.4 / 91.8	123.1 / 95.9	126.4 / 98.7
Declared $EER_{DC,B}$			4.02 / 4.18	3.97 / 4.21	4.11 / 4.30
Declared Refrigerant Capacity P_C	1,3,5	kW	509.5 / 412.0	531.4 / 435.0	565.4 / 457.9
Declared Power Input D_C		kW	98.2 / 76.4	102.8 / 79.8	105.8 / 82.3
Declared $EER_{DC,C}$			5.19 / 5.40	5.17 / 5.45	5.34 / 5.56
Declared Refrigerant Capacity P_D	1,3,5	kW	426.2 / 319.5	454.4 / 337.3	477.5 / 357.9
Declared Power Input D_D		kW	66.5 / 50.3	68.6 / 51.3	71.3 / 53.9
Declared $EER_{DC,D}$			6.41 / 6.35	6.62 / 6.58	6.70 / 6.64
SSCEE	2,3,5	%	168.3	171.8	172.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		501.6	517.5	546
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	501	517.1	545.4
Declared EER_d 35°C			2.89	2.82	2.91
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	381.0 / 287.1	399.5 / 297.1	420.2 / 316.2
Declared EER_d 30°C			3.74 / 3.81	3.76 / 3.82	3.83 / 3.90
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	313.6 / 212.0	326.0 / 223.0	346.7 / 233.9
Declared EER_d 25°C			4.54 / 4.73	4.56 / 4.84	4.67 / 4.87
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	114.7 / 0.0	116.4 / 0.0	126.4 / 0.0
Declared EER_d 20°C			5.28 / 0	5.40 / 0	5.43 / 0
Sound Power Level LWA		dB(A)	87	87	88
Air flow rate		m³/h	190715	174822	190715
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.444	1.768	2.599
Standby Mode P_{SB}		kW	0.248	0.245	0.248
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC058DX-12DVW0	DCC061DX-12DWW0	DCC050DX-14EPV0
SEPR	1,3,5		5.58	5.49	5.75
SEPR Tier			Tier 2 (2021)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	755021	811137	632466
Rated Refrigerant Capacity P_A	1,3,5	kW	568.6	600.8	490.9
Rated Power Input D_A		kW	202.3	219.3	156.3
Rated $EER_{DC,A}$			2.81	2.74	3.14
Declared Refrigerant Capacity P_B	1,3,5	kW	540.1 / 444.6	577.7 / 474.3	546.6 / 447.5
Declared Power Input D_B		kW	133.4 / 105.7	147.4 / 114.6	128.7 / 102.9
Declared $EER_{DC,B}$			4.05 / 4.21	3.92 / 4.14	4.25 / 4.35
Declared Refrigerant Capacity P_C	1,3,5	kW	586.2 / 479.3	629.0 / 511.5	481.6 / 373.2
Declared Power Input D_C		kW	111.5 / 88.0	123.3 / 95.7	85.6 / 65.7
Declared $EER_{DC,C}$			5.26 / 5.44	5.10 / 5.34	5.62 / 5.68
Declared Refrigerant Capacity P_D	1,3,5	kW	500.7 / 368.9	537.6 / 403.0	498.7 / 386.1
Declared Power Input D_D		kW	75.6 / 55.7	81.8 / 61.8	75.2 / 58.3
Declared $EER_{DC,D}$			6.62 / 6.62	6.57 / 6.52	6.63 / 6.63

SSCEE	2,3,5	%	172.0	165.5	175.0
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		569.1	601.4	491.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	568.6	600.8	490.9
Declared EER_d 35°C			2.81	2.74	3.14
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	440.0 / 326.8	467.7 / 353.1	444.5 / 342.4
Declared EER_d 30°C			3.75 / 3.88	3.69 / 3.77	3.89 / 3.92
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	357.9 / 246.0	387.6 / 262.4	247.3 / 133.0
Declared EER_d 25°C			4.63 / 4.82	4.50 / 4.72	4.91 / 4.71
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	126.2 / 0.0	141.8 / 0.0	144.9 / 0.0
Declared EER_d 20°C			5.48 / 0	5.21 / 0	5.54 / 0
Sound Power Level LWA		dB(A)	89	89	88
Air flow rate		m³/h	190715	190715	222501
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.353	3.505	2.343
Standby Mode P_{SB}		kW	0.248	0.248	0.242
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC052DX-14EYY0	DCC054DX-13DYV0	DCC057DX-14DVV0
SEPR	1,3,5		5.57	5.69	5.78
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	682092	693648	717755
Rated Refrigerant Capacity P_A	1,3,5	kW	512.3	532.5	559.8
Rated Power Input D_A		kW	169.1	177.5	182.3
Rated $EER_{DC,A}$			3.03	3	3.07
Declared Refrigerant Capacity P_B	1,3,5	kW	478.5 / 386.3	497.9 / 407.2	528.3 / 427.8
Declared Power Input D_B		kW	115.0 / 90.1	119.4 / 93.6	123.4 / 96.7
Declared $EER_{DC,B}$			4.16 / 4.29	4.17 / 4.35	4.28 / 4.42
Declared Refrigerant Capacity P_C	1,3,5	kW	513.9 / 415.1	539.1 / 439.1	571.3 / 461.9
Declared Power Input D_C		kW	95.7 / 74.8	99.9 / 77.9	103.2 / 80.6
Declared $EER_{DC,C}$			5.37 / 5.55	5.40 / 5.64	5.54 / 5.73
Declared Refrigerant Capacity P_D	1,3,5	kW	426.2 / 319.5	454.4 / 337.3	477.4 / 357.9
Declared Power Input D_D		kW	66.4 / 50.3	68.2 / 51.0	71.1 / 53.8
Declared $EER_{DC,D}$			6.42 / 6.35	6.66 / 6.61	6.72 / 6.65
SSCEE	2,3,5	%	171.5	176.3	176.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		512.9	533	560.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	512.3	532.5	559.8
Declared EER_d 35°C			3.03	3	3.07
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	383.8 / 289.0	404.1 / 300.5	423.8 / 318.6
Declared EER_d 30°C			3.84 / 3.90	3.88 / 3.93	3.95 / 4.00
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	315.8 / 213.0	328.8 / 224.3	349.3 / 235.2
Declared EER_d 25°C			4.64 / 4.80	4.70 / 4.93	4.79 / 4.95
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	115.3 / 0.0	117.2 / 0.0	127.1 / 0.0
Declared EER_d 20°C			5.34 / 0	5.50 / 0	5.49 / 0
Sound Power Level LWA		dB(A)	87	88	88
Air flow rate		m³/h	222501	206608	222501
Off mode P_{OFF}		kW	0.137	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.597	1.915	2.786
Standby Mode P_{SB}		kW	0.254	0.251	0.254
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC060DX-14DVW0	DCC063DX-14DWW0	DCC066TX-13GPPY
SEPR	1,3,5		5.70	5.61	5.36
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 1 (2018)
Annual Electricity Consumption		kWh/a	760100	817213	894807
Rated Refrigerant Capacity P_A	1,3,5	kW	584.5	619	647.1
Rated Power Input D_A		kW	196.1	212.0	236.2
Rated $EER_{DC,A}$			2.98	2.92	2.74
Declared Refrigerant Capacity P_B	1,3,5	kW	548.5 / 448.5	588.0 / 478.6	649.7 / 556.9
Declared Power Input D_B		kW	130.1 / 103.5	143.3 / 112.2	167.2 / 142.6
Declared $EER_{DC,B}$			4.22 / 4.33	4.10 / 4.27	3.88 / 3.91
Declared Refrigerant Capacity P_C	1,3,5	kW	592.4 / 483.5	638.2 / 516.6	610.3 / 489.8
Declared Power Input D_C		kW	108.7 / 86.1	120.2 / 93.6	119.3 / 92.3
Declared $EER_{DC,C}$			5.45 / 5.62	5.31 / 5.52	5.11 / 5.31
Declared Refrigerant Capacity P_D	1,3,5	kW	500.6 / 368.9	537.6 / 403.0	647.2 / 514.4
Declared Power Input D_D		kW	75.2 / 55.7	81.2 / 61.6	103.5 / 80.6
Declared $EER_{DC,D}$			6.66 / 6.63	6.62 / 6.54	6.25 / 6.38
SSCEE	2,3,5	%	175.9	169.1	161.9
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		585.1	619.7	647.8
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	584.5	619	647.1
Declared EER_d 35°C			2.98	2.92	2.74
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	444.8 / 329.3	474.3 / 357.1	546.4 / 441.0
Declared EER_d 30°C			3.87 / 3.97	3.81 / 3.87	3.45 / 3.60
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	360.6 / 247.4	390.9 / 263.9	368.5 / 261.6
Declared EER_d 25°C			4.75 / 4.90	4.62 / 4.79	4.64 / 4.54
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	126.9 / 0.0	142.7 / 0.0	141.6 / 0.0
Declared EER_d 20°C			5.55 / 0	5.26 / 0	5.04 / 0
Sound Power Level LWA		dB(A)	89	90	89
Air flow rate		m³/h	222501	222501	206608
Off mode P_{OFF}		kW	0.137	0.137	0.149
Thermostat-off mode P_{TO}		kW	2.537	3.797	3.231
Standby Mode P_{SB}		kW	0.254	0.254	0.275
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC070TX-14GPYY	DCC055DX-15DYV0	DCC059DX-16DVV0
SEPR	1,3,5		5.34	5.79	5.87
SEPR Tier			Tier 1 (2018)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	950511	695811	720693
Rated Refrigerant Capacity P_A	1,3,5	kW	684.8	543.7	570.6
Rated Power Input D_A		kW	251.8	173.2	178.9
Rated $EER_{DC,A}$			2.72	3.14	3.19
Declared Refrigerant Capacity P_B	1,3,5	kW	690.8 / 607.2	606.6 / 504.8	534.0 / 430.7
Declared Power Input D_B		kW	180.4 / 153.4	143.0 / 117.0	121.2 / 95.2
Declared $EER_{DC,B}$			3.83 / 3.96	4.24 / 4.31	4.40 / 4.53
Declared Refrigerant Capacity P_C	1,3,5	kW	658.3 / 559.3	543.7 / 442.3	575.9 / 465.1
Declared Power Input D_C		kW	127.9 / 107.4	97.5 / 76.4	101.1 / 79.2
Declared $EER_{DC,C}$			5.15 / 5.21	5.57 / 5.79	5.69 / 5.87
Declared Refrigerant Capacity P_D	1,3,5	kW	587.9 / 481.4	454.3 / 337.3	477.3 / 357.9
Declared Power Input D_D		kW	92.9 / 76.4	68.0 / 50.9	71.0 / 53.8
Declared $EER_{DC,D}$			6.33 / 6.30	6.68 / 6.62	6.72 / 6.65
SSCEE	2,3,5	%	163.4	179.8	179.3
SSCEE Tier	6		Tier 1 (2018)	Tier 2 (2021)	Tier 2 (2021)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		685.4	544.2	571.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	684.8	543.7	570.6
Declared EER_d 35°C			2.72	3.14	3.19
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	507.2 / 415.3	406.8 / 302.6	426.9 / 320.6
Declared EER_d 30°C			3.55 / 3.59	3.98 / 4.03	4.04 / 4.08
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	341.2 / 235.3	331.1 / 225.4	351.4 / 236.2
Declared EER_d 25°C			4.67 / 4.58	4.81 / 5.00	4.88 / 5.01
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	256.1 / 0.0	117.8 / 0.0	127.7 / 0.0
Declared EER_d 20°C			5.40 / 0	5.58 / 0	5.55 / 0
Sound Power Level LWA		dB(A)	89	88	89
Air flow rate		m³/h	222501	238393	254286
Off mode P_{OFF}		kW	0.149	0.137	0.137
Thermostat-off mode P_{TO}		kW	2.739	2.043	2.950
Standby Mode P_{SB}		kW	0.289	0.257	0.260
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC061DX-16DVW0	DCC065DX-16DWW0	DCC068TX-16GPPY
SEPR	1,3,5		5.79	5.70	5.62
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	763215	821541	887000
Rated Refrigerant Capacity P_A	1,3,5	kW	596.4	632.6	672.8
Rated Power Input D_A		kW	191.8	206.7	225.8
Rated $EER_{DC,A}$			3.11	3.06	2.98
Declared Refrigerant Capacity P_B	1,3,5	kW	666.6 / 554.4	595.5 / 481.7	667.6 / 573.5
Declared Power Input D_B		kW	157.9 / 127.8	140.5 / 110.2	160.8 / 137.0
Declared $EER_{DC,B}$			4.22 / 4.34	4.24 / 4.37	4.15 / 4.18
Declared Refrigerant Capacity P_C	1,3,5	kW	596.9 / 486.9	643.7 / 520.4	623.5 / 498.2
Declared Power Input D_C		kW	106.3 / 84.5	117.6 / 92.0	115.1 / 89.4
Declared $EER_{DC,C}$			5.61 / 5.76	5.47 / 5.66	5.42 / 5.57
Declared Refrigerant Capacity P_D	1,3,5	kW	500.7 / 368.9	537.4 / 402.8	656.6 / 519.1
Declared Power Input D_D		kW	75.0 / 55.7	81.1 / 61.6	99.5 / 78.7
Declared $EER_{DC,D}$			6.67 / 6.63	6.63 / 6.54	6.60 / 6.60
SSCEE	2,3,5	%	179.0	172.0	169.3
SSCEE Tier	6		Tier 2 (2021)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		597	633.3	673.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	596.4	632.6	672.8
Declared EER_d 35°C			3.11	3.06	2.98
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	448.0 / 331.4	477.7 / 359.4	565.0 / 452.0
Declared EER_d 30°C			3.96 / 4.05	3.91 / 3.95	3.72 / 3.82
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	362.8 / 248.5	393.2 / 265.1	372.4 / 264.9
Declared EER_d 25°C			4.85 / 4.97	4.71 / 4.85	4.79 / 4.70
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	127.4 / 0.0	143.4 / 0.0	143.3 / 0.0
Declared EER_d 20°C			5.61 / 0	5.31 / 0	5.19 / 0
Sound Power Level LWA		dB(A)	89	90	89
Air flow rate		m³/h	254286	254286	254286
Off mode P_{OFF}		kW	0.137	0.137	0.149
Thermostat-off mode P_{TO}		kW	2.701	4.047	3.605
Standby Mode P_{SB}		kW	0.260	0.260	0.284
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC075TX-15GYYY	DCC077TX-16GYYV	DCC072TX-17GPYY
SEPR	1,3,5		5.45	5.48	5.59
SEPR Tier			Tier 1 (2018)	Tier 1 (2018)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1003621	1027803	941270
Rated Refrigerant Capacity P_A	1,3,5	kW	738.6	760.8	709.5
Rated Power Input D_A		kW	270.5	273.7	241.3
Rated $EER_{DC,A}$			2.73	2.78	2.94
Declared Refrigerant Capacity P_B	1,3,5	kW	751.4 / 666.7	765.6 / 680.9	707.6 / 618.9
Declared Power Input D_B		kW	196.1 / 168.9	198.0 / 170.8	173.7 / 148.1
Declared $EER_{DC,B}$			3.83 / 3.95	3.87 / 3.99	4.07 / 4.18
Declared Refrigerant Capacity P_C	1,3,5	kW	724.1 / 628.1	739.3 / 643.3	669.0 / 568.3
Declared Power Input D_C		kW	141.3 / 118.3	142.8 / 119.8	123.6 / 103.7
Declared $EER_{DC,C}$			5.12 / 5.31	5.18 / 5.37	5.41 / 5.48
Declared Refrigerant Capacity P_D	1,3,5	kW	660.1 / 550.0	673.7 / 556.8	592.5 / 485.8
Declared Power Input D_D		kW	100.9 / 84.3	102.8 / 85.4	90.4 / 74.3
Declared $EER_{DC,D}$			6.54 / 6.53	6.56 / 6.52	6.55 / 6.54
SSCEE	2,3,5	%	166.5	167.0	171.5
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		739.3	761.5	710.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	738.6	760.8	709.5
Declared EER_d 35°C			2.73	2.78	2.94
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	574.9 / 480.9	589.8 / 487.7	613.5 / 519.3
Declared EER_d 30°C			3.67 / 3.72	3.71 / 3.73	3.73 / 3.76
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	425.2 / 322.7	432.8 / 330.3	344.3 / 237.7
Declared EER_d 25°C			4.54 / 4.73	4.57 / 4.76	4.82 / 4.74
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	233.3 / 116.1	233.2 / 116.0	258.6 / 0.0
Declared EER_d 20°C			5.44 / 5.08	5.41 / 5.03	5.59 / 0
Sound Power Level LWA		dB(A)	88	89	89
Air flow rate		m³/h	238393	254286	270179
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.579	3.847	2.422
Standby Mode P_{SB}		kW	0.304	0.307	0.298
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC077TX-18GYYY	DCC080TX-17GYVV	DCC083TX-18GVVV
SEPR	1,3,5		5.62	5.54	5.60
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1008074	1047100	1066227
Rated Refrigerant Capacity P_A	1,3,5	kW	764	783	805.2
Rated Power Input D_A		kW	260.8	276.7	280.6
Rated $EER_{DC,A}$			2.93	2.83	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	768.6 / 678.3	789.7 / 695.1	813.8 / 719.2
Declared Power Input D_B		kW	189.3 / 163.5	200.0 / 172.4	202.2 / 174.7
Declared $EER_{DC,B}$			4.06 / 4.15	3.95 / 4.03	4.02 / 4.12
Declared Refrigerant Capacity P_C	1,3,5	kW	734.6 / 635.0	754.5 / 658.5	779.4 / 673.7
Declared Power Input D_C		kW	136.8 / 114.8	143.9 / 120.9	145.8 / 122.4
Declared $EER_{DC,C}$			5.37 / 5.53	5.24 / 5.44	5.35 / 5.50
Declared Refrigerant Capacity P_D	1,3,5	kW	660.2 / 550.0	687.4 / 570.4	701.0 / 584.0
Declared Power Input D_D		kW	99.8 / 83.5	104.3 / 87.0	106.1 / 88.8
Declared $EER_{DC,D}$			6.62 / 6.59	6.59 / 6.56	6.61 / 6.58

SSCEE	2,3,5	%	172.8	169.6	171.4
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		764.7	783.7	805.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	764	783	805.2
Declared EER_d 35°C			2.93	2.83	2.87
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	583.3 / 487.2	604.7 / 502.6	619.6 / 517.5
Declared EER_d 30°C			3.82 / 3.86	3.75 / 3.79	3.79 / 3.83
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	429.0 / 324.9	440.3 / 337.9	456.0 / 345.5
Declared EER_d 25°C			4.69 / 4.85	4.60 / 4.81	4.67 / 4.83
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	235.0 / 116.9	241.7 / 116.0	250.0 / 124.5
Declared EER_d 20°C			5.59 / 5.22	5.51 / 5.06	5.56 / 5.18
Sound Power Level LWA		dB(A)	88	89	90
Air flow rate		m³/h	286072	270179	286072
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.135	3.324	3.555
Standby Mode P_{SB}		kW	0.313	0.310	0.313
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC086TX-18GVVW	DCC088TX-18GVWW	DCC091TX-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	1099382	1147041	1197588
Rated Refrigerant Capacity P_A	1,3,5	kW	838.1	864.3	890.6
Rated Power Input D_A		kW	295.1	310.9	326.2
Rated $EER_{DC,A}$			2.84	2.78	2.73
Declared Refrigerant Capacity P_B	1,3,5	kW	846.1 / 750.9	876.5 / 774.2	906.9 / 804.6
Declared Power Input D_B		kW	209.5 / 181.9	222.1 / 189.5	234.8 / 202.1
Declared $EER_{DC,B}$			4.04 / 4.13	3.95 / 4.09	3.86 / 3.98
Declared Refrigerant Capacity P_C	1,3,5	kW	815.2 / 708.4	839.6 / 732.8	873.4 / 757.2
Declared Power Input D_C		kW	151.9 / 128.4	158.2 / 134.7	168.6 / 141.1
Declared $EER_{DC,C}$			5.37 / 5.52	5.31 / 5.44	5.18 / 5.37
Declared Refrigerant Capacity P_D	1,3,5	kW	741.1 / 608.4	768.1 / 635.4	795.0 / 662.4
Declared Power Input D_D		kW	110.5 / 90.6	115.4 / 95.5	120.3 / 100.4
Declared $EER_{DC,D}$			6.71 / 6.71	6.66 / 6.65	6.61 / 6.60
SSCEE	2,3,5	%	174.9	172.6	169.8
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		838.6	864.9	891.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	838.1	864.3	890.6
Declared EER_d 35°C			2.84	2.78	2.73
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	649.2 / 536.0	671.4 / 558.2	693.5 / 580.4
Declared EER_d 30°C			3.79 / 3.87	3.74 / 3.81	3.69 / 3.75
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	475.6 / 363.8	488.6 / 376.9	513.5 / 390.0
Declared EER_d 25°C			4.73 / 4.89	4.70 / 4.84	4.59 / 4.79
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	254.0 / 126.5	268.2 / 126.5	282.3 / 140.8
Declared EER_d 20°C			5.72 / 5.40	5.62 / 5.36	5.54 / 5.24
Sound Power Level LWA		dB(A)	90	91	91
Air flow rate		m³/h	286072	286072	286072
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	2.877	3.099	3.331
Standby Mode P_{SB}		kW	0.313	0.313	0.313
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC070TX-19GPPY	DCC074TX-20GPYY	DCC079TX-21GYYY
SEPR	1,3,5		5.79	5.72	5.72
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	883543	940853	1012835
Rated Refrigerant Capacity P_A	1,3,5	kW	690.3	726.7	782.1
Rated Power Input D_A		kW	219.8	235.9	253.9
Rated $EER_{DC,A}$			3.14	3.08	3.08
Declared Refrigerant Capacity P_B	1,3,5	kW	679.2 / 584.0	719.0 / 626.9	780.9 / 687.0
Declared Power Input D_B		kW	156.9 / 133.7	169.8 / 144.9	185.3 / 160.3
Declared $EER_{DC,B}$			4.33 / 4.37	4.23 / 4.33	4.22 / 4.29
Declared Refrigerant Capacity P_C	1,3,5	kW	630.5 / 503.2	675.3 / 573.7	741.4 / 640.3
Declared Power Input D_C		kW	111.6 / 87.1	120.5 / 101.2	133.6 / 112.5
Declared $EER_{DC,C}$			5.65 / 5.78	5.61 / 5.67	5.55 / 5.69
Declared Refrigerant Capacity P_D	1,3,5	kW	656.6 / 519.1	592.4 / 485.8	660.1 / 550.0
Declared Power Input D_D		kW	97.6 / 77.7	89.6 / 73.5	99.6 / 83.4
Declared $EER_{DC,D}$			6.73 / 6.68	6.61 / 6.61	6.63 / 6.59

SSCEE	2,3,5	%	175.6	176.3	176.1
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		690.9	727.2	782.7
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	690.3	726.7	782.1
Declared EER_d 35°C			3.14	3.08	3.08
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	577.4 / 459.4	622.1 / 527.0	587.8 / 490.7
Declared EER_d 30°C			3.90 / 3.97	3.87 / 3.90	3.92 / 3.96
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	375.2 / 267.2	346.5 / 239.3	431.9 / 326.6
Declared EER_d 25°C			4.91 / 4.84	4.92 / 4.84	4.80 / 4.92
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	291.0 / 144.6	260.5 / 0.0	236.3 / 117.6
Declared EER_d 20°C			5.69 / 5.35	5.71 / 0	5.66 / 5.26
Sound Power Level LWA		dB(A)	89	89	89
Air flow rate		m³/h	301965	317858	333751
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.295	2.587	3.370
Standby Mode P_{SB}		kW	0.293	0.307	0.322
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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Technical Data DCC

Ecodesign

	Notes:	Units	DCC080TX-19GYYV	DCC081TX-22GYYV	DCC082TX-20GYVV
SEPR	1,3,5		5.64	5.74	5.67
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1031066	1035054	1052826
Rated Refrigerant Capacity P_A	1,3,5	kW	784.7	801.9	805.4
Rated Power Input D_A		kW	264.2	258.7	268.5
Rated $EER_{DC,A}$			2.97	3.1	3
Declared Refrigerant Capacity P_B	1,3,5	kW	782.3 / 692.1	794.6 / 700.7	804.9 / 705.8
Declared Power Input D_B		kW	191.4 / 165.6	187.5 / 162.5	194.3 / 167.7
Declared $EER_{DC,B}$			4.09 / 4.18	4.24 / 4.31	4.14 / 4.21
Declared Refrigerant Capacity P_C	1,3,5	kW	749.4 / 649.8	755.9 / 654.8	764.2 / 664.6
Declared Power Input D_C		kW	138.5 / 116.5	135.4 / 114.3	140.1 / 118.2
Declared $EER_{DC,C}$			5.41 / 5.58	5.58 / 5.73	5.45 / 5.62
Declared Refrigerant Capacity P_D	1,3,5	kW	673.8 / 556.8	673.7 / 556.7	687.4 / 570.4
Declared Power Input D_D		kW	101.8 / 84.7	101.6 / 84.5	103.8 / 86.6
Declared $EER_{DC,D}$			6.62 / 6.58	6.63 / 6.59	6.62 / 6.58

SSCEE	2,3,5	%	173.1	176.4	173.6
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		785.4	802.6	806.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	784.7	801.9	805.4
Declared EER_d 35°C			2.97	3.1	3
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	597.2 / 493.8	601.7 / 497.3	611.0 / 507.7
Declared EER_d 30°C			3.85 / 3.87	3.95 / 3.96	3.87 / 3.90
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	436.4 / 332.4	439.3 / 334.0	443.8 / 339.9
Declared EER_d 25°C			4.71 / 4.87	4.81 / 4.94	4.73 / 4.89
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	235.0 / 116.9	236.2 / 117.6	243.2 / 116.9
Declared EER_d 20°C			5.56 / 5.17	5.64 / 5.22	5.60 / 5.13
Sound Power Level LWA		dB(A)	89	89	90
Air flow rate		m³/h	301965	349644	317858
Off mode P_{OFF}		kW	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.369	3.580	3.588
Standby Mode P_{SB}		kW	0.316	0.325	0.319
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000

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(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 DCC

Ecodesign

	Notes:	Units	DCC085TX-21GVVV	DCC088TX-21GVVW	DCC091TX-21GVWW	DCC094TX-21GWWW
SEPR	1,3,5		5.71	5.77	5.71	5.64
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1072716	1106690	1154852	1205595
Rated Refrigerant Capacity P_A	1,3,5	kW	826	861.3	889.3	917.2
Rated Power Input D_A		kW	272.6	286.1	300.4	315.2
Rated $EER_{DC,A}$			3.03	3.01	2.96	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	827.6 / 728.4	861.0 / 761.3	892.9 / 784.8	924.8 / 816.7
Declared Power Input D_B		kW	197.3 / 170.7	204.3 / 177.6	216.0 / 185.0	227.8 / 196.8
Declared $EER_{DC,B}$			4.20 / 4.27	4.22 / 4.29	4.13 / 4.24	4.06 / 4.15
Declared Refrigerant Capacity P_C	1,3,5	kW	786.8 / 679.4	823.8 / 715.0	848.6 / 739.9	884.8 / 764.7
Declared Power Input D_C		kW	142.3 / 119.8	148.2 / 125.6	154.3 / 131.7	164.4 / 137.9
Declared $EER_{DC,C}$			5.53 / 5.67	5.56 / 5.69	5.50 / 5.62	5.38 / 5.55
Declared Refrigerant Capacity P_D	1,3,5	kW	701.0 / 584.0	741.1 / 608.4	768.1 / 635.4	795.1 / 662.4
Declared Power Input D_D		kW	105.8 / 88.7	110.0 / 90.4	114.7 / 95.2	119.5 / 99.9
Declared $EER_{DC,D}$			6.62 / 6.59	6.74 / 6.73	6.70 / 6.68	6.65 / 6.63

SSCEE	2,3,5	%	174.9	178.7	176.5	173.7
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5		826.8	861.9	889.9	917.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	826	861.3	889.3	917.2
Declared EER_d 35°C			3.03	3.01	2.96	2.91
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	624.8 / 521.6	656.0 / 540.3	679.5 / 563.9	703.0 / 587.4
Declared EER_d 30°C			3.90 / 3.93	3.91 / 3.98	3.86 / 3.92	3.82 / 3.86
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	459.0 / 347.4	478.9 / 365.9	492.1 / 379.1	517.5 / 392.4
Declared EER_d 25°C			4.78 / 4.91	4.84 / 4.98	4.81 / 4.92	4.71 / 4.87
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	251.5 / 125.2	255.5 / 127.2	269.8 / 127.2	284.2 / 141.7
Declared EER_d 20°C			5.64 / 5.22	5.80 / 5.45	5.71 / 5.40	5.63 / 5.29
Sound Power Level LWA		dB(A)	90	91	91	91
Air flow rate		m^3/h	333751	333751	333751	333751
Off mode P_{OFF}		kW	0.149	0.149	0.149	0.149
Thermostat-off mode P_{TO}		kW	3.845	3.145	3.398	3.663
Standby Mode P_{SB}		kW	0.322	0.322	0.322	0.322
Crankcase heater mode P_{CK}		kW	0.000	0.000	0.000	0.000

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Head Office
Airedale International Air Conditioning Ltd
Leeds Road
Rawdon
Leeds LS19 6JY
Tel: +44 (0) 113 2391000
Fax:+44 (0) 113 2507219
E-mail enquiries@airedale.com
Web www.airedale.com