Airedale by MODINE

OptiChill FreeCool OFC

Technical Manual
Original Instructions

ecoDesign COMPLIANT

CE

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

Customer Services

Warranty, Commissioning & Maintenance

As standard, Airedale guarantees all non consumable parts only for a period of 12 months, variations tailored to suit product and application are also available; please contact Airedale for full terms and details.
To further protect your investment in Airedale products, Airedale can provide full commissioning services, comprehensive maintenance packages and service cover 24 hours a day, 365 days a year (UK mainland).
For a free quotation contact Airedale or your local Sales Engineer.
All Airedale products are designed in accordance with EU Directives regarding prevention of build up of water, associated with the risk of contaminants such as legionella.
For effective prevention of such risk it is necessary that the equipment is maintained in accordance with Airedale recommendations.

ChillerGuard

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

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

Spares

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

Training

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

Customer Services

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

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

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

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 R134a refrigerant which requires careful attention to proper storage and handling procedures. Use only manifold gauge sets designed for use with R134a refrigerant. Use only refrigerant recovery units and cylinders designed for high pressure refrigerants.
R134a 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 18.8 Barg
*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 R134a refrigerant has a GWP of 1430 (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 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.

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.

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.

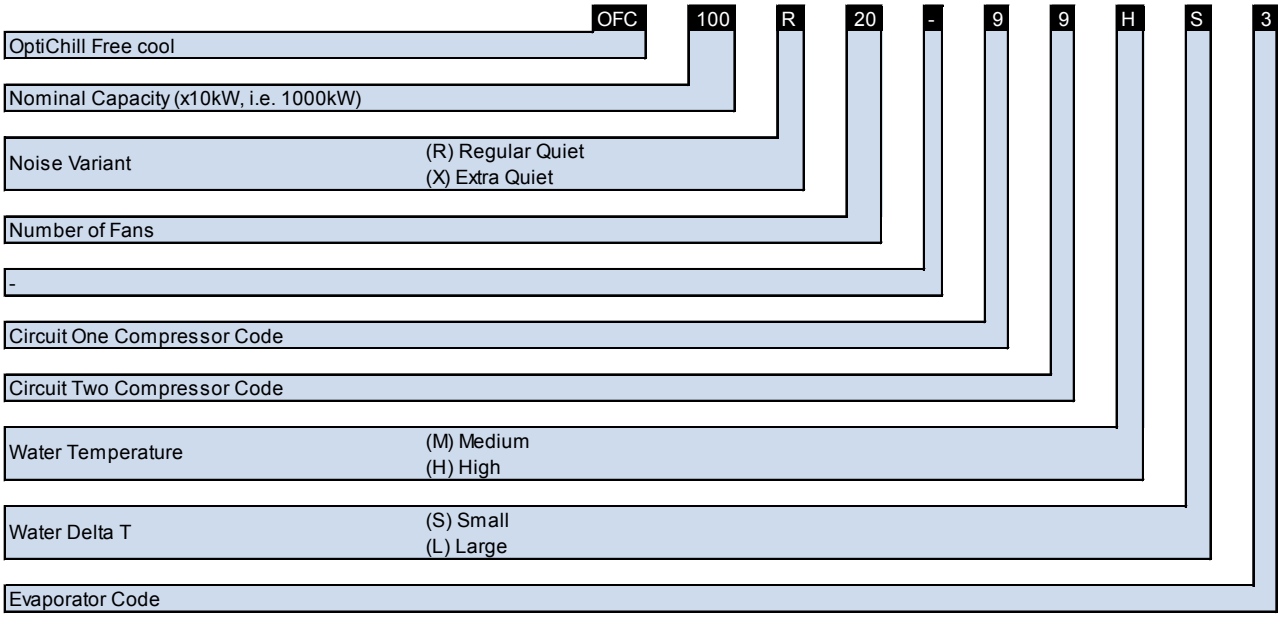
Access to the chiller should be limited to supervised or authorised access only (access categories B and C) as described in EN378-1:2016 Table 4. This access level needs to be confirmed by the end user, and the location within which the product is to be installed needs to be defined. EN 378-1:2016 section 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 R134a (A2L) refrigerant.

Contents

Specifiers Guide

Unit Identification



Introduction

The Airedale range of OptiChill Freecool liquid screw chillers covers the nominal capacity range 750kW to 1250kW in over 180 models sizes. The echnical manual covers only 40 units showing a variety of configurations.
Further information can be obtained from your sales representative.
The OptiChill range is offered in Regular (R) or Extra Quiet (X) models and available as High (H) or Medium (M) water temperatures with both Large (L) and Small (S) water temperatures ifferential (*ƒ´*T) to meet a wide range of applications.
High water temperature can be as high as 25 / 20°C.
Medium water temperatures as standard are 15 / 10°C.
Large ΔT = 6, 7 and 8K.
Small ΔT = 4, 5 and 6K.
Attention has been placed on offering a low energy high output performance and flexible product, while keeping the sound and footprint to an absolute minimum.

Noise Variant	No of Condenser Fans	Water Temp	Temperature Differences
Regular (R) or Quiet (X)	16 Fan 18 Fan 20 Fan 22 Fan	Medium Water Temperature High Water Temperature	Small Temperature Difference Large Temperature Difference

Example Units
OFC081R16-76MS2
OFC091R18-87HS4

Refrigerant

The range has been designed and optimised for operation with ozone benign R134a refrigerant.

2 Row Free Cooling Regular Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	2RW
R	16	M	S	OFC076R16-66MS1	780.7	3.17	3.99	483.8
				OFC081R16-76MS2	841.0	3.16	3.88	495.6
				OFC086R16-77MS2	892.4	3.15	3.81	505.1
			L	OFC077R16-66ML1	785.1	3.18	3.94	484.7
				OFC081R16-76ML2	846.1	3.17	3.82	496.6
				OFC087R16-77ML2	898.2	3.16	3.74	506.1
		H	S	OFC076R16-66HS1	777.4	3.17	3.84	483.1
				OFC081R16-76HS2	832.9	3.12	3.66	494.1
				OFC086R16-77HS2	879.1	3.06	3.58	502.7
			L	OFC077R16-66HL1	781.9	3.18	3.80	484.0
				OFC082R16-76HL2	837.9	3.13	3.60	495.0
				OFC087R16-77HL2	884.8	3.07	3.52	503.7

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 2RW is the full free cooling potential at 3°C.

2 Row Free Cooling Regular Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	2RW
R	18	M	S	OFC077R18-66MS1	785.9	3.23	4.10	535.5
				OFC082R18-76MS2	846.9	3.23	3.99	549.3
				OFC087R18-77MS2	899.0	3.21	3.92	560.3
				OFC091R18-87MS4	951.5	3.11	3.88	570.8
				OFC094R18-87MS6	985.3	3.18	3.98	577.1
				OFC095R18-88MS4	996.0	3.01	3.81	579.1
			L	OFC078R18-66ML1	790.3	3.24	4.05	536.5
				OFC083R18-76ML2	852.1	3.24	3.93	550.4
				OFC088R18-77ML2	905.0	3.22	3.85	561.5
				OFC092R18-87ML3	957.7	3.12	3.83	572.0
				OFC094R18-87ML5	982.0	3.17	3.88	576.5
				OFC096R18-88ML3	1002.7	3.02	3.75	580.3
		H	S	OFC077R18-66HS1	782.4	3.23	3.94	534.7
				OFC082R18-76HS2	838.6	3.18	3.76	547.5
				OFC087R18-77HS2	885.6	3.12	3.68	557.5
				OFC091R18-87HS4	943.5	3.11	3.90	569.2
				OFC094R18-87HS6	977.5	3.18	4.00	575.7
				OFC095R18-88HS4	994.1	3.08	3.87	578.7
				OFC098R18-88HS6	1029.5	3.15	3.98	585.0
				OFC102R18-99HS5	1106.4	2.97	3.79	597.7
				OFC106R18-99HS6	1143.0	3.03	3.84	603.2
				OFC078R18-66HL1	786.9	3.24	3.90	535.7
			L	OFC083R18-76HL2	843.7	3.19	3.70	548.6
				OFC088R18-77HL2	891.3	3.13	3.62	558.7
				OFC092R18-87HL3	949.6	3.12	3.85	570.4
				OFC094R18-87HL5	973.9	3.17	3.90	575.0
				OFC096R18-88HL3	1001.0	3.09	3.82	580.0
				OFC099R18-88HL5	1027.9	3.15	3.86	584.8
				OFC103R18-99HL4	1117.5	2.99	3.76	599.4
				OFC107R18-99HL5	1147.0	3.04	3.73	603.7

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 2RW is the full free cooling potential at 3°C.

2 Row Free Cooling Regular Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	2RW
R	20	M	S	OFC078R20-66MS1	789.5	3.28	4.14	585.0
				OFC083R20-76MS2	851.0	3.28	4.04	600.8
				OFC088R20-77MS2	903.6	3.26	3.96	613.5
				OFC092R20-87MS4	956.4	3.16	3.92	625.5
				OFC095R20-87MS6	990.5	3.23	4.02	632.8
				OFC096R20-88MS4	1001.2	3.06	3.84	635.0
				OFC099R20-88MS6	1036.3	3.13	3.94	642.0
			L	OFC078R20-66ML1	794.0	3.29	4.09	586.2
				OFC083R20-76ML2	856.2	3.29	3.97	602.1
				OFC089R20-77ML2	909.6	3.27	3.89	614.9
				OFC093R20-87ML3	962.7	3.17	3.87	626.8
				OFC095R20-87ML5	987.4	3.22	3.91	632.1
				OFC097R20-88ML3	1008.1	3.07	3.78	636.4
				OFC100R20-88ML5	1034.9	3.13	3.83	641.8
		H	S	OFC078R20-66HS1	785.8	3.28	3.98	584.1
				OFC083R20-76HS2	842.5	3.23	3.80	598.7
				OFC088R20-77HS2	889.9	3.17	3.72	610.3
				OFC092R20-87HS4	948.3	3.16	3.94	623.7
				OFC095R20-87HS6	982.6	3.23	4.03	631.1
				OFC096R20-88HS4	999.3	3.13	3.91	634.6
				OFC099R20-88HS6	1035.0	3.20	4.01	641.8
				OFC103R20-99HS3	1112.1	3.02	3.79	656.2
				OFC103R20-99HS5	1112.9	3.02	3.83	656.3
				OFC107R20-99HS6	1149.9	3.09	3.88	662.6
			L	OFC078R20-66HL1	790.4	3.29	3.94	585.3
				OFC084R20-76HL2	847.7	3.24	3.74	600.0
				OFC089R20-77HL2	895.7	3.18	3.65	611.7
				OFC093R20-87HL3	954.5	3.17	3.88	625.0
				OFC095R20-87HL5	979.1	3.22	3.93	630.3
				OFC097R20-88HL3	1006.3	3.15	3.85	636.0
				OFC100R20-88HL5	1033.6	3.20	3.90	641.5
				OFC104R20-99HL4	1124.2	3.04	3.79	658.3
				OFC108R20-99HL6	1154.6	3.10	3.85	663.4

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 2RW is the full free cooling potential at 3°C.

2 Row Free Cooling Regular Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	2RW
R	22	M	S	OFC078R22-66MS1	792.0	3.32	4.17	632.5
				OFC084R22-76MS2	853.7	3.31	4.07	650.3
				OFC089R22-77MS2	906.7	3.30	3.99	664.7
				OFC093R22-87MS4	959.6	3.20	3.95	678.2
				OFC096R22-87MS6	993.9	3.27	4.05	686.4
				OFC097R22-88MS4	1004.7	3.10	3.87	688.9
				OFC100R22-88MS6	1039.9	3.17	3.97	696.9
				OFC104R22-99MS5	1114.7	2.98	3.78	712.6
			L	OFC079R22-66ML1	796.5	3.33	4.12	633.8
				OFC084R22-76ML2	859.0	3.33	4.00	651.8
				OFC089R22-77ML2	912.8	3.31	3.91	666.3
				OFC093R22-87ML3	966.0	3.21	3.89	679.7
				OFC096R22-87ML5	990.9	3.26	3.94	685.7
				OFC098R22-88ML3	1011.6	3.11	3.81	690.5
				OFC101R22-88ML5	1038.7	3.17	3.86	696.7
				OFC105R22-99ML4	1125.8	3.00	3.74	714.8
		H	S	OFC078R22-66HS1	788.2	3.32	4.01	631.4
				OFC084R22-76HS2	845.1	3.26	3.82	647.9
				OFC089R22-77HS2	892.8	3.21	3.74	661.0
				OFC093R22-87HS4	951.4	3.19	3.96	676.1
				OFC096R22-87HS6	985.9	3.27	4.06	684.5
				OFC097R22-88HS4	1002.7	3.17	3.94	688.5
				OFC100R22-88HS6	1038.6	3.24	4.04	696.6
				OFC104R22-99HS5	1117.2	3.06	3.85	713.1
				OFC108R22-99HS6	1154.3	3.13	3.90	720.2
			L	OFC079R22-66HL1	792.8	3.33	3.96	632.7
				OFC084R22-76HL2	850.3	3.28	3.76	649.4
				OFC090R22-77HL2	898.7	3.22	3.67	662.6
				OFC093R22-87HL3	957.7	3.21	3.91	677.7
				OFC096R22-87HL5	982.5	3.26	3.96	683.7
				OFC098R22-88HL3	1009.8	3.19	3.88	690.1
				OFC101R22-88HL5	1037.3	3.24	3.92	696.4
				OFC105R22-99HL4	1128.6	3.08	3.82	715.3
				OFC109R22-99HL5	1159.0	3.14	3.79	721.1

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 2RW is the full free cooling potential at 3°C.

2 Row Free Cooling Extra Quiet

Noise Variant	*No. Fans*	*Water Temp*	*ΔTs*	*Nomenclature*	EC Fans *Duty (kW)*	*EER*	*ESEER*	*2RW*
X	16	H	S	OFC073X16-66HS1	750.4	3.05	3.87	399.9
				OFC078X16-76HS2	797.1	2.98	3.67	405.7
				OFC083X16-77HS2	839.0	2.90	3.61	410.5
			L	OFC074X16-66HL1	754.4	3.07	3.83	400.4
				OFC079X16-76HL2	801.2	2.99	3.62	406.2
				OFC083X16-77HL2	843.6	2.91	3.55	411.1

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 2RW is the full free cooling potential at 3°C.

2 Row Free Cooling Extra Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	2RW
X	18	M	S	OFC075X18-66MS1	765.9	3.16	4.12	446.2
				OFC080X18-76MS2	819.3	3.14	3.99	453.7
			L	OFC075X18-66ML1	770.0	3.17	4.07	446.8
				OFC080X18-76ML2	823.8	3.15	3.93	454.3
		H	S	OFC075X18-66HS1	763.6	3.16	3.96	445.9
				OFC080X18-76HS2	812.1	3.09	3.77	452.7
				OFC084X18-77HS2	855.8	3.02	3.71	458.5
				OFC088X18-87HS4	904.9	2.97	3.92	464.8
				OFC091X18-87HS6	936.2	3.03	4.02	468.5
				OFC092X18-88HS4	952.2	2.92	3.91	470.4
				OFC095X18-88HS6	984.6	2.98	4.01	474.0
				OFC098X18-99HS5	1046.8	2.75	3.83	480.5
				OFC101X18-99HS6	1080.1	2.80	3.88	483.8
			L	OFC075X18-66HL1	767.7	3.18	3.92	446.5
				OFC080X18-76HL2	816.5	3.11	3.72	453.3
				OFC085X18-77HL2	860.8	3.03	3.64	459.2
				OFC089X18-87HL3	910.2	2.98	3.87	465.4
				OFC091X18-87HL5	930.9	3.02	3.92	467.9
				OFC093X18-88HL3	958.0	2.93	3.86	471.0
				OFC095X18-88HL5	981.0	2.97	3.90	473.6
				OFC099X18-99HL4	1056.0	2.76	3.80	481.4
				OFC102X18-99HL6	1080.4	2.80	3.86	483.8

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 2RW is the full free cooling potential at 3°C.

2 Row Free Cooling Extra Quiet

Noise Variant	*No. Fans*	*Water Temp*	*ΔTs*	*Nomenclature*	EC Fans *Duty (kW)*	*EER*	*ESEER*	*2RW*
X	20	M	S	OFC076X20-66MS1	776.2	3.24	4.15	491.0
				OFC081X20-76MS2	831.3	3.22	4.04	499.8
				OFC085X20-77MS2	881.4	3.19	3.98	507.2
			L	OFC076X20-66ML1	780.5	3.25	4.10	491.7
				OFC081X20-76ML2	836.0	3.24	3.97	500.5
				OFC086X20-77ML2	886.7	3.21	3.91	508.0
		H	S	OFC076X20-66HS1	773.6	3.24	3.99	490.6
				OFC081X20-76HS2	823.5	3.18	3.81	498.6
				OFC086X20-77HS2	868.6	3.11	3.73	505.4
				OFC090X20-87HS4	919.0	3.07	3.96	512.6
				OFC092X20-87HS6	951.0	3.14	4.06	516.9
				OFC093X20-88HS4	967.4	3.02	3.94	519.0
				OFC096X20-88HS6	1000.7	3.08	4.04	523.2
				OFC100X20-99HS5	1066.1	2.86	3.86	530.9
				OFC103X20-99HS6	1100.2	2.92	3.91	534.6
			L	OFC076X20-66HL1	777.9	3.26	3.95	491.3
				OFC081X20-76HL2	828.2	3.19	3.75	499.3
				OFC086X20-77HL2	873.8	3.12	3.67	506.1
				OFC090X20-87HL3	924.5	3.08	3.91	513.3
				OFC092X20-87HL5	946.2	3.13	3.96	516.3
				OFC094X20-88HL3	973.6	3.03	3.88	519.8
				OFC097X20-88HL5	997.6	3.08	3.93	522.9
				OFC101X20-99HL4	1075.7	2.88	3.83	532.0
				OFC104X20-99HL6	1101.6	2.92	3.89	534.8

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 2RW is the full free cooling potential at 3°C.

2 Row Free Cooling Extra Quiet

Noise Variant	*No. Fans*	*Water Temp*	*ΔTs*	*Nomenclature*	EC Fans *Duty (kW)*	*EER*	*ESEER*	*2RW*
X	22	M	S	OFC076X22-66MS1	784.3	3.30	4.18	534.6
				OFC082X22-76MS2	840.5	3.29	4.07	544.6
				OFC086X22-77MS2	891.8	3.26	4.00	553.2
				OFC090X22-87MS4	936.7	3.14	3.97	560.3
				OFC093X22-87MS6	969.0	3.21	4.07	565.2
			L	OFC077X22-66ML1	788.6	3.31	4.13	535.4
				OFC082X22-76ML2	845.4	3.30	4.00	545.5
				OFC087X22-77ML2	897.4	3.27	3.93	554.1
				OFC091X22-87ML3	942.4	3.15	3.92	561.2
				OFC093X22-87ML5	964.9	3.20	3.97	564.6
		H	S	OFC076X22-66HS1	781.3	3.30	4.02	534.1
				OFC082X22-76HS2	832.4	3.24	3.83	543.2
				OFC087X22-77HS2	878.5	3.17	3.75	551.1
				OFC091X22-87HS4	929.8	3.14	3.98	559.3
				OFC093X22-87HS6	962.4	3.21	4.09	564.2
				OFC095X22-88HS4	979.2	3.10	3.96	566.6
				OFC098X22-88HS6	1013.1	3.17	4.06	571.4
				OFC101X22-99HS5	1080.9	2.95	3.88	580.3
				OFC104X22-99HS7	1112.4	3.00	3.93	584.1
			L	OFC077X22-66HL1	785.7	3.31	3.97	534.9
				OFC082X22-76HL2	837.2	3.25	3.77	544.1
				OFC087X22-77HL2	883.9	3.18	3.69	551.9
				OFC091X22-87HL3	935.5	3.15	3.93	560.1
				OFC094X22-87HL5	958.0	3.20	3.98	563.5
				OFC095X22-88HL3	985.6	3.11	3.90	567.6
				OFC098X22-88HL5	1010.5	3.16	3.95	571.1
				OFC102X22-99HL4	1091.0	2.97	3.85	581.5
				OFC105X22-99HL6	1118.0	3.01	3.91	584.8

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 2RW is the full free cooling potential at 3°C.

3 Row Free Cooling Regular Quiet

					EC Fans			
Noise Variant	***No. Fans***	***Water Temp***	***ΔTs***	***Nomenclature***	***Duty (kW)***	***EER***	***ESEER***	***3RW***
R	16	M	S	OFC076R16-66MS1	777.5	3.12	3.95	541.4
				OFC081R16-76MS2	837.7	3.11	3.85	557.6
				OFC086R16-77MS2	888.6	3.10	3.78	570.4
			L	OFC077R16-66ML1	781.9	3.13	3.91	542.7
				OFC081R16-76ML2	842.7	3.12	3.79	558.9
				OFC087R16-77ML2	894.3	3.11	3.71	571.8
		H	S	OFC076R16-66HS1	774.3	3.12	3.81	540.6
				OFC081R16-76HS2	829.7	3.07	3.63	555.5
				OFC086R16-77HS2	875.5	3.01	3.56	567.2
			L	OFC077R16-66HL1	778.7	3.13	3.77	541.8
				OFC082R16-76HL2	834.6	3.08	3.58	556.8
				OFC087R16-77HL2	881.1	3.02	3.50	568.6

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 3RW is the full free cooling potential at 3°C

3 Row Free Cooling Regular Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	3RW
R	18	M	S	OFC077R18-66MS1	782.8	3.18	4.07	598.8
				OFC082R18-76MS2	843.7	3.18	3.97	617.6
				OFC087R18-77MS2	895.4	3.16	3.90	632.5
				OFC091R18-87MS4	948.0	3.06	3.87	646.7
				OFC094R18-87MS6	981.7	3.13	3.97	655.2
				OFC095R18-88MS4	992.3	2.96	3.80	657.8
			L	OFC078R18-66ML1	787.2	3.19	4.02	600.2
				OFC083R18-76ML2	848.8	3.19	3.91	619.1
				OFC088R18-77ML2	901.3	3.17	3.83	634.1
				OFC092R18-87ML3	954.2	3.07	3.82	648.2
				OFC094R18-87ML5	978.3	3.12	3.87	654.4
				OFC096R18-88ML3	999.0	2.98	3.74	659.5
		H	S	OFC077R18-66HS1	779.4	3.18	3.92	597.8
				OFC082R18-76HS2	835.5	3.13	3.74	615.1
				OFC087R18-77HS2	882.1	3.07	3.67	628.7
				OFC091R18-87HS4	940.1	3.06	3.89	644.6
				OFC094R18-87HS6	974.0	3.13	3.98	653.3
				OFC095R18-88HS4	990.3	3.03	3.86	657.4
				OFC098R18-88HS6	1025.6	3.10	3.97	665.8
				OFC102R18-99HS5	1102.2	2.92	3.78	682.7
				OFC106R18-99HS6	1138.7	2.98	3.84	690.0
			L	OFC078R18-66HL1	783.9	3.19	3.87	599.2
				OFC083R18-76HL2	840.5	3.14	3.68	616.6
				OFC088R18-77HL2	887.7	3.09	3.60	630.3
				OFC092R18-87HL3	946.2	3.07	3.83	646.2
				OFC094R18-87HL5	970.2	3.12	3.88	652.3
				OFC096R18-88HL3	997.2	3.05	3.80	659.0
				OFC099R18-88HL5	1023.8	3.10	3.85	665.4
				OFC103R18-99HL4	1113.2	2.94	3.75	684.9
				OFC107R18-99HL5	1142.5	2.99	3.73	690.7

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 3RW is the full free cooling potential at 3°C

3 Row Free Cooling Regular Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	3RW
R	20	M	S	OFC078R20-66MS1	786.5	3.23	4.11	653.6
				OFC083R20-76MS2	847.8	3.23	4.01	674.9
				OFC088R20-77MS2	900.1	3.21	3.95	692.0
				OFC092R20-87MS4	953.0	3.11	3.91	708.1
				OFC095R20-87MS6	987.0	3.18	4.01	717.9
				OFC096R20-88MS4	997.6	3.01	3.84	720.9
				OFC099R20-88MS6	1032.5	3.08	3.94	730.3
			L	OFC078R20-66ML1	791.0	3.24	4.07	655.2
				OFC083R20-76ML2	853.0	3.24	3.95	676.7
				OFC089R20-77ML2	906.0	3.23	3.87	693.8
				OFC093R20-87ML3	959.3	3.12	3.86	709.9
				OFC095R20-87ML5	983.7	3.17	3.91	717.0
				OFC097R20-88ML3	1004.4	3.03	3.78	722.7
				OFC100R20-88ML5	1031.1	3.08	3.83	729.9
		H	S	OFC078R20-66HS1	782.9	3.23	3.96	652.3
				OFC083R20-76HS2	839.5	3.18	3.78	672.1
				OFC088R20-77HS2	886.5	3.12	3.70	687.6
				OFC092R20-87HS4	944.9	3.11	3.93	705.7
				OFC095R20-87HS6	979.1	3.18	4.03	715.7
				OFC096R20-88HS4	995.7	3.09	3.90	720.3
				OFC099R20-88HS6	1031.2	3.16	4.01	730.0
				OFC103R20-99HS3	1108.0	2.98	3.80	749.1
				OFC103R20-99HS5	1108.9	2.98	3.83	749.3
				OFC107R20-99HS6	1145.7	3.04	3.88	757.6
			L	OFC078R20-66HL1	787.5	3.24	3.91	653.9
				OFC084R20-76HL2	844.6	3.19	3.72	673.9
				OFC089R20-77HL2	892.3	3.14	3.64	689.5
				OFC093R20-87HL3	951.1	3.12	3.88	707.6
				OFC095R20-87HL5	975.5	3.17	3.92	714.6
				OFC097R20-88HL3	1002.6	3.10	3.85	722.2
				OFC100R20-88HL5	1029.7	3.15	3.89	729.6
				OFC104R20-99HL4	1120.0	3.00	3.79	751.9
				OFC108R20-99HL6	1150.2	3.05	3.85	758.6

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 3RW is the full free cooling potential at 3°C

3 Row Free Cooling Regular Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	3RW
R	22	M	S	OFC078R22-66MS1	789.1	3.27	4.15	705.8
				OFC084R22-76MS2	850.7	3.27	4.05	729.8
				OFC089R22-77MS2	903.3	3.25	3.98	749.0
				OFC093R22-87MS4	956.4	3.15	3.95	767.1
				OFC096R22-87MS6	990.5	3.22	4.05	778.1
				OFC097R22-88MS4	1001.2	3.05	3.87	781.5
				OFC100R22-88MS6	1036.3	3.12	3.97	792.1
				OFC104R22-99MS5	1110.8	2.94	3.79	813.0
			L	OFC079R22-66ML1	793.6	3.28	4.10	707.6
				OFC084R22-76ML2	855.9	3.28	3.99	731.7
				OFC089R22-77ML2	909.3	3.26	3.91	751.1
				OFC093R22-87ML3	962.7	3.16	3.89	769.2
				OFC096R22-87ML5	987.4	3.21	3.94	777.2
				OFC098R22-88ML3	1008.1	3.07	3.81	783.6
				OFC101R22-88ML5	1035.0	3.12	3.86	791.7
		H	S	OFC078R22-66HS1	785.4	3.27	3.99	704.3
				OFC084R22-76HS2	842.2	3.22	3.81	726.6
				OFC089R22-77HS2	889.6	3.16	3.74	744.1
				OFC093R22-87HS4	948.2	3.15	3.96	764.4
				OFC096R22-87HS6	982.5	3.22	4.06	775.6
				OFC097R22-88HS4	999.2	3.13	3.94	780.9
				OFC100R22-88HS6	1035.0	3.20	4.05	791.7
				OFC104R22-99HS5	1113.3	3.02	3.86	813.6
				OFC108R22-99HS6	1150.3	3.08	3.92	823.0
			L	OFC079R22-66HL1	790.0	3.28	3.95	706.1
				OFC084R22-76HL2	847.4	3.23	3.75	728.5
				OFC090R22-77HL2	895.4	3.17	3.67	746.2
				OFC093R22-87HL3	954.5	3.16	3.91	766.5
				OFC096R22-87HL5	979.1	3.21	3.96	774.5
				OFC098R22-88HL3	1006.2	3.14	3.88	783.0
				OFC101R22-88HL5	1033.6	3.19	3.93	791.3
				OFC105R22-99HL4	1124.6	3.04	3.83	816.6
				OFC109R22-99HL5	1154.7	3.09	3.80	824.1

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 3RW is the full free cooling potential at 3°C

3 Row Free Cooling Extra Quiet

Noise Variant	*No. Fans*	*Water Temp*	*ΔTs*	*Nomenclature*	EC Fans *Duty (kW)*	*EER*	*ESEER*	*3RW*
X	16	H	S	OFC073X16-66HS1	743.4	2.99	3.83	437.1
				OFC078X16-76HS2	789.1	2.91	3.64	444.4
				OFC083X16-77HS2	830.0	2.83	3.59	450.5
			L	OFC074X16-66HL1	747.3	3.00	3.80	437.8
				OFC079X16-76HL2	793.1	2.92	3.59	445.0
				OFC083X16-77HL2	834.6	2.84	3.53	451.2

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 3RW is the full free cooling potential at 3°C

3 Row Free Cooling Extra Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	3RW
X	18	M	S	OFC075X18-66MS1	759.5	3.09	4.09	488.2
				OFC080X18-76MS2	812.0	3.07	3.96	497.6
			L	OFC075X18-66ML1	763.6	3.10	4.05	488.9
		H	S	OFC075X18-66HS1	757.4	3.10	3.93	487.8
				OFC080X18-76HS2	805.1	3.03	3.75	496.4
				OFC084X18-77HS2	848.0	2.95	3.69	503.7
				OFC088X18-87HS4	896.4	2.91	3.90	511.5
				OFC091X18-87HS6	927.1	2.96	4.00	516.2
				OFC092X18-88HS4	942.9	2.85	3.90	518.5
				OFC095X18-88HS6	974.8	2.90	4.00	523.1
				OFC098X18-99HS5	1035.1	2.68	3.82	531.1
			L	OFC075X18-66HL1	761.5	3.11	3.90	488.5
				OFC080X18-76HL2	809.4	3.04	3.69	497.1
				OFC085X18-77HL2	852.8	2.96	3.63	504.5
				OFC089X18-87HL3	901.5	2.91	3.85	512.3
				OFC091X18-87HL5	921.6	2.95	3.90	515.4
				OFC093X18-88HL3	948.5	2.86	3.84	519.3
				OFC095X18-88HL5	970.8	2.90	3.89	522.5

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 3RW is the full free cooling potential at 3°C

3 Row Free Cooling Extra Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	3RW
X	20	M	S	OFC076X20-66MS1	770.6	3.18	4.13	537.5
				OFC081X20-76MS2	824.9	3.16	4.01	548.5
			L	OFC076X20-66ML1	774.8	3.19	4.09	538.3
				OFC081X20-76ML2	829.4	3.17	3.95	549.4
		H	S	OFC076X20-66HS1	768.2	3.19	3.97	537.0
				OFC081X20-76HS2	817.4	3.12	3.79	547.0
				OFC086X20-77HS2	861.7	3.05	3.72	555.5
				OFC090X20-87HS4	911.4	3.01	3.94	564.5
				OFC092X20-87HS6	943.0	3.07	4.05	570.0
				OFC093X20-88HS4	959.2	2.96	3.93	572.6
				OFC096X20-88HS6	992.0	3.02	4.04	577.9
				OFC100X20-99HS5	1055.7	2.80	3.86	587.3
				OFC103X20-99HS6	1089.3	2.84	3.92	591.9
			L	OFC076X20-66HL1	772.4	3.20	3.93	537.8
				OFC081X20-76HL2	821.9	3.13	3.73	547.9
				OFC086X20-77HL2	866.8	3.06	3.66	556.5
				OFC090X20-87HL3	916.8	3.02	3.90	565.5
				OFC092X20-87HL5	938.0	3.06	3.95	569.1
				OFC094X20-88HL3	965.2	2.97	3.88	573.6
				OFC097X20-88HL5	988.6	3.01	3.93	577.4
				OFC101X20-99HL4	1065.1	2.81	3.83	588.6
				OFC104X20-99HL6	1090.2	2.85	3.89	592.0

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 3RW is the full free cooling potential at 3°C

3 Row Free Cooling Extra Quiet

Noise Variant	No. Fans	Water Temp	ΔTs	Nomenclature	EC Fans			
					Duty (kW)	EER	ESEER	3RW
X	22	M	S	OFC076X22-66MS1	779.3	3.25	4.16	585.4
				OFC082X22-76MS2	834.8	3.23	4.05	598.0
				OFC086X22-77MS2	885.3	3.21	4.00	608.7
			L	OFC077X22-66ML1	783.5	3.26	4.12	586.4
				OFC082X22-76ML2	839.6	3.24	3.99	599.0
				OFC087X22-77ML2	890.8	3.22	3.93	609.8
		H	S	OFC076X22-66HS1	776.5	3.25	4.00	584.7
				OFC082X22-76HS2	826.9	3.19	3.82	596.2
				OFC087X22-77HS2	872.4	3.12	3.75	606.0
				OFC091X22-87HS4	923.1	3.08	3.98	616.3
				OFC093X22-87HS6	955.3	3.15	4.09	622.5
				OFC095X22-88HS4	971.9	3.04	3.96	625.5
				OFC098X22-88HS6	1005.4	3.10	4.07	631.5
				OFC101X22-99HS5	1071.7	2.89	3.89	642.4
				OFC104X22-99HS7	1102.7	2.94	3.94	647.0
			L	OFC077X22-66HL1	780.9	3.26	3.96	585.7
				OFC082X22-76HL2	831.6	3.20	3.76	597.3
				OFC087X22-77HL2	877.7	3.13	3.68	607.1
				OFC091X22-87HL3	928.7	3.10	3.93	617.4
				OFC094X22-87HL5	950.7	3.14	3.98	621.6
				OFC095X22-88HL3	978.1	3.05	3.91	626.6
				OFC098X22-88HL5	1002.5	3.10	3.96	631.0
				OFC102X22-99HL4	1081.5	2.90	3.86	643.9
				OFC105X22-99HL6	1107.8	2.94	3.92	647.8

(1) Duty (kW) based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(2) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
(3) EER based upon mechanical Cooling when the unit is configured with a 2 row free cooling coil.
(4) ESEER based upon mechanical Cooling 12°C / 7°C 35°C Ambient.
(5) 3RW is the full free cooling potential at 3°C

Standard Features	OFCxxxRxx-xxHSx	OFCxxxRxx-xxHLx	OFCxxxRxx-xxMSx	OFCxxxRxx-xxMLx	OFCxxxXxx-xxHSx	OFCxxxXxx-xxHLx	OFCxxxXxx-xxMSx	OFCxxxXxx-xxMLx
Refrigeration and Mechanical								
Compressors - Screw	●	●	●	●	●	●	●	●
Dual Maintainable Pressure Relief	●	●	●	●	●	●	●	●
Parallel Condenser Coils - RTPF	●	●	●	●	●	●	●	●
Large Surface Area Free Cooling Coil (2 Row)	●	●	●	●	●	●	●	●
800mm AC Axial Fans	●	●	●	●	●	●	●	●
Filter Driers with Replaceable Cores	●	●	●	●	●	●	●	●
Electronic Expansion Valves	●	●	●	●	●	●	●	●
High Efficiency Shell and Tube Evaporator	●	●	●	●	●	●	●	●
Large Diameter Stainless Steel Suction Pipes	●	●	●	●	●	●	●	●
Full Operating Charge of R134a	●	●	●	●	●	●	●	●
Acoustically Lined Aluminium Extrusion Compressor Enclosure					●	●	●	●
Liquid & Discharge Shut Off Valves	●	●	●	●	●	●	●	●
Liquid Line Sight Glasses	●	●	●	●	●	●	●	●
Discharge Muffler					●	●	●	●
Leak Detection on Circuits Containing >300kg of R134a	●	●	●	●	●	●	●	●
Base - Plain Galvanised Steel	●	●	●	●	●	●	●	●
Panels - Galvanised Sheet Steel with Epoxy Baked Powder Paint	●	●	●	●	●	●	●	●
Ability for High Water Temperatures	●	●			●	●		
Ability for Large Water Side ΔT's		●		●		●		●
Controls and Electrical								
AIRETronix Microprocessor Controller	●	●	●	●	●	●	●	●
Intelligent Head Pressure Control	●	●	●	●	●	●	●	●
HP / LP Transducers & Switches	●	●	●	●	●	●	●	●
Compressor Envelopes Built into Controller	●	●	●	●	●	●	●	●
Waterside								
Evaporator Immersion Heater	●	●	●	●	●	●	●	●
Inlet and Outlet Shut Off Valves	●	●	●	●	●	●	●	●
Evaporator Differential Pressure Control*	●	●	●	●	●	●	●	●
Trace heating	●	●	●	●	●	●	●	●
Water Filter	●	●	●	●	●	●	●	●
Grooved and Clamped Type Connections	●	●	●	●	●	●	●	●
Fans & Sheet Metal								
Dedicated Compressor Enclosure					●	●	●	●
Lifting Lugs	●	●	●	●	●	●	●	●

General Description

Standard Features

Construction

The base is fabricated from galvanised steel to ensure a rigid, durable and weatherproof construction.
Unit panels are 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).
The 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.

Evaporator

Shell and tube heat exchangers constructed from a steel shell with internally enhanced copper tubes. Internal baffles in the water circuit optimise flow whilst keeping pressure drop to a minimum. The heat exchanger is insulated with closed cell polyurethane foam which is to Class O fire rating and the material is UV resistant.
Water inlet and outlet connections are of grooved type pipe and coupling assembly, optional flanged connections available on request, please consult Airedale.
An immersion heater and thermostat protect the evaporator against freeze up in ambient temperatures down to -20°C.
Connections for External Trace Heating (230V/500W available).

Free Cooling Coil

The OptiChill 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.
The Free cool coil is manufactured from copper tube and aluminium fins.

Free Cooling Operation

In high ambient where free cooling is not available the fan speed modulates in the conventional manner to maintain an optimised head pressure. Free cooling is initiated wherever the outdoor ambient is 1°C less than the return water temperature. In ambient temperatures 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 maximum 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.

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 a butt welding connection.

Evaporator Differential Pressure Sensor

Facilitates low flow limiting and pressure drop monitoring via the microprocessor. (Additional flow protection is required. See optional features)

Condenser

Large surface area coils ideally positioned to optimise airflow and heat transfer, manufactured from refrigeration quality copper tubes with mechanically bonded aluminium fins. The copper tube is internally rifled for improved heat transfer.

Fan & Motor Assembly

AC Fan Motor

Sickle bladed fan assemblies with integral long bellmouth and fingerproof grille; incorporate external rotor AC motor technology, capable of highly accurate discreet speed control and discharges air vertically. The fans offer maximum airflow performance while keeping sound levels to a minimum.

Each fan is speed controllable and operates from a 3 phase electrical supply.

Energy efficient Electronically Commutated (EC) fans are also available

Compressor

Twin screw semi hermetic compressors comprising:

- Electronic Protection Module featuring:
  - Motor, discharge gas and oil monitoring
  - Rotation direction protection
  - Phase failure protection
- Low current Star/Delta Start
- Internal pressure relief
- Discharge non return valve
- Oil separator
- Oil sight glass
- Oil heater
- Slide valve stepped capacity control
- Suction gas motor cooling

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

Liquid injection is not required under normal operating conditions, leading to an increase in cooling and efficiency

Closed transition Star/Delta compressor start is available as an optional extra.

Maintainable Dual Pressure Relief Valve

A 3-way dual shut-off valve assembly incorporating 2 relief valves per circuit allows the maintenance of individual pressure relief valves without the need for refrigerant evacuation.

Refrigeration

Each refrigeration circuit is supplied with the following:

- Full operating charge of R134a
- Electronic Expansion Valves (EEV)
- Discharge line ball valve
- Liquid line ball valve
- Large capacity filter drier with replaceable cores
- Liquid line sight glass
- Low pressure switch with Auto reset
- High pressure switch with manual reset
- Suction and liquid pressure transducers
- Discharge line mufflers (X Models)

Controls

As standard, the microprocessor controller can provide 8 stages of capacity control.
Optionally, the controller is designed to provide capabilities for;

- Building Management Systems (BMS)
- Sequencing (Master/Slave and Run/Standby) to meet all your system requirements, please specify at order.

Electrical

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

- Individual mains power compartments for each refrigeration circuit.
- Separate door locking electrical isolation for each mains compartment.
- Dedicated bus-bar chamber for connection of incoming 3- phase and earth mains power supply.
- Separate, fully accessible, controls compartment, allowing adjustment of control set points whilst the unit is operational.
- Circuit breakers for protection of all major unit components.
- Phase rotation relay incorporating phase loss protection (compressor module).

The electrical power and control panel are wired to the latest European standards and codes of practice.
Mains supply is 3 phase and a neutral is not required direct to unit busbar.
A separate 230V permanent supply is required for the controls and safety features.
This system has been designed to be connected to a TN type distribution system. For alternate distribution type systems, contact Airedale.

CAUTION ⚠	Electrical terminals for external evaporator pipework trace heating (230V/500W) are provided. A fused and isolated electrical supply of the appropriate phase, frequency and voltage should be installed.

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. Factory fitted.

Head Pressure Control - Voltage Regulated

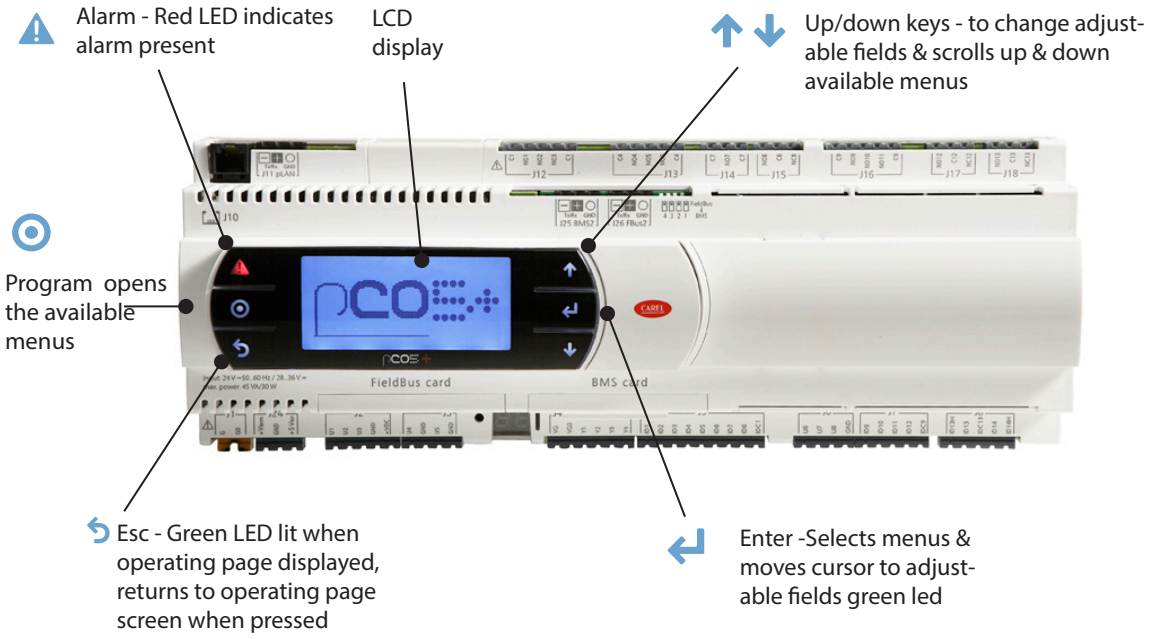
Electronic fan speed controllers are fitted which modulate the fan speed by means of voltage regulation, maintaining an optimised condensing pressure, allowing the system to operate in ambient temperatures as low as -20°C.
Head pressure can be set and monitored at the microprocessor display.

BMS Interface Card

BMS Interface Cards can be factory fitted and interfaced with most BMS. A wide range of protocols can be accommodated through the use of interface devices, with ModBus/Jbus and Carel available as standard options. BMS Interface Cards can be set up and connected by following the setup guides supplied with the unit. Please contact Airedale to discuss the licensing requirements for other interfaces such as SNMP, LonWorks, Metasys and BACnet. Airedale's own supervisory plug-in BMS card, pCOWEB, is also available and is based on Ethernet TCP/IP secure technology with SNMP features. It requires no proprietary cabling or monitoring software and can be supplied preprogrammed with an IP address for ease of set up. Cables to the BMS to be supplied by others.

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 inbuilt display is used for viewing the units operating status and making adjustments to control parameters by allowing the operator access to a series of display pages.
Also featured is 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 4 ROW LCD DISPLAY
7 CURSOR (FLASHING) Top Left Position = "HOME" Indicates adjustable Fields

Temperature control

Airedale recognises that all chiller applications are different but the OptiChill is based upon Constant Supply Temperature. The onboard microprocessor has the capability of satisfying either control requirement as illustrated below. Using the Airedale Variable Supply Temperature control scheme, energy savings are available when compared with previous schemes and that of the Constant Supply Temperature application. Variable Supply Temperature control schemes offer energy savings where the supply water temperature is not critical to its operation.
Selection of the best application control scheme can be made via a soft switch in the microprocessor during initial commissioning.
The microprocessor maintains the set supply Chilled Water temperature by sensing the return and supply water temperatures and ambient air temperature to adjust the compressor loading and water valve position as required.

Controls

Monitoring

The microprocessor also monitors and displays the following measured parameters:

- Supply Water Temperature
- Return Water Temperature
- Evaporator Differential Water Pressure
- Suction Pressure of each circuit
- Liquid Pressure of each circuit
- Suction Temperature at each circuit
- Superheat for each circuit
- Discharge temperature of 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:

- Low Supply Temperature
- Emergency Stop
- Water Flow
- 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
- Circuit 1 Isolator Status
- Circuit 2 Isolator Status

Unit Remote ON/OFF

Disables/Enables the unit remotely.

Compressor Anti Cycle Control

Automatic via the Microprocessor.

Compressor Load Limit

Limits the condensing pressure by unloading the compressor.
Limits the evaporating pressure by unloading at the minimum pressure setpoint, which is, adjustable depending on system glycol content.
Pump(s) Remote ON/OFF Disables/Enables the pump(s) remotely.

Remote Setback Temperature Setpoint Switch

A setback setpoint for supply water temperature can be selected to suit summer/winter conditions or night setback.

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. (as standard 4648)

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

Optional Features

Optional Features	OFCxxxRxx-xxHSx	OFCxxxRxx-xxHLx	OFCxxxRxx-xxMSx	OFCxxxRxx-xxMLx	OFCxxxXxx-xxHSx	OFCxxxXxx-xxHLx	OFCxxxXxx-xxMSx	OFCxxxXxx-xxMLx
Economiser	●	●	●	●	●	●	●	●
Larger SA Free Cooling Coil	●	●	●	●	●	●	●	●
Epoxy Coated Coils	●	●	●	●	●	●	●	●
Closed Transition	●	●	●	●	●	●	●	●
Power Factor Correction	●	●	●	●	●	●	●	●
Power Monitoring	●	●	●	●	●	●	●	●
Backup Power for Safe Controls Shut Down on Power Fail (UPS)	●	●	●	●	●	●	●	●
Sequence Control Compatible	●	●	●	●	●	●	●	●
Network Interface Card	●	●	●	●	●	●	●	●
Remote Setpoint Adjustment (0.10V/4-20mA)	●	●	●	●	●	●	●	●
Single Head Pump, 2 Sizes	●	●	●	●	●	●	●	●
Run/Standby Pump, 2 Sizes	●	●	●	●	●	●	●	●
Inverter driven Pump, 2 Sizes	●	●	●	●	●	●	●	●
Pump Interlock*	●	●	●	●	●	●	●	●
Flow Switch*	●	●	●	●	●	●	●	●
Glycol Containment (intermediate HX)	●	●	●	●	●	●	●	●
Dosing Pots	●	●	●	●	●	●	●	●
Condenser Fan Discharge Plenum - 2 Heights	●	●	●	●	●	●	●	●
Coil Guards	●	●	●	●	●	●	●	●
Anti-Vibration Mounts (Spring & Pad Type)	●	●	●	●	●	●	●	●
Control Panel Rain Hood with inbuilt light	●	●	●	●	●	●	●	●

*At least one additional flow proving device on top of the pressure differential sensor is required to validate warranty.

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 8 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

Optional Extras

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:

- flow switch (option)
- isolating valves
- inlet strainer
- electrical switchgear

Pump - Inverter Driven - Variable Speed for Constant Water Flow
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 complete with:

- electronic flow monitoring system
- flow switch (option)
- isolating valves inlet strainer
- electrical switchgear

Corrosion Resistant Coated Coils

In atmospheres where high corrosion is anticipated a corrosion resistant coating is applied to the aluminium fins of either phenolic or epoxy, dependent upon size.
Coil Guards Guards can be fitted to each of the outer coils to protect against damage.

Electronically Commutated (EC) Fans

Each fan incorporates on board electronics with AC/DC Conversion and inverter driven DC motor control to offer unparalleled high efficiency levels combined with smooth stepless speed control and quiet operation.
Sickle blades reduce air turbulence to minimise sound levels and power consumption whilst maximising performance. The long bellmouth 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 fingerproof grille. The fans offer maximum airflow performance while keeping sound levels to a minimum.

Economiser

Controlled by a dedicated EEV, the economiser optimises compressor performance at full and part load operation

3 Row Free Cooling Coil

A 3 row free cooling coil shall be available to enhance the full free cooling potential of the chiller.

Compressor Power Factor Correction

When applied to the motors of each compressor, the compressor power factor is controlled to a minimum operating value of 0.95 at the full operating capacity. This satisfies many supply authorities that may impose surcharges on equipment with power factor less than 0.95.

General Description

Optional Extras

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.

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.

Discharge Air Plenum - Condenser Fan
Constructed from galvanised sheet steel coated with epoxy baked powder paint, this plenum directs discharge air vertically, thus limiting a degree of air re-circulation and provides acoustic reduction in the horizontal plane; factory fitted. For details please contact Airedale. Standard unit colour is Light Grey (RAL 7035).

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 greatly 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).

R134a Leak Detection System
A factory calibrated and fitted leak detection system, will raise an alarm when refrigerant gas is detected.
Fitted within the unit compressor enclosure.

Closed Transition Star / Delta Compressor Start
Closed transition Star/Delta starting can be incorporated to avoid high transient changeover current peaks when the compressor motor is switched over from Star to Delta.

Flow Switch
Will protect the chiller against low water flow conditions. Despatched loose for on site fitment.

Pump Interlock
A pump interlock shall be fitted to ensure that the chiller cannot operate without water flow.
IMPORTANT: The flow switch and or pump interlock must be fitted to the unit as well as the differential pressure switch. At least two forms of protection must be used. Differential pressure switch plus either flow switch or pump interlock.

Remote Setpoint Adjust
Allows the chilled water setpoint to be adjusted via an external 0-10V signal.

BMS Interface Card
Enables controlled chillers to be interfaced with most BMS, including Airedale's own pCOWeb, factory fitted, please contact Airedale.

Optional Features

Pump(s) Hours Run

Displays hours run of each pump.

BMS Interface Card

Enables Controlled units to be interfaced with most BMS, factory fitted, please contact Airedale.
A wide range of protocols can be accommodated through the use of interface devices. Available as a standard option are: ModBus / Jbus, Carel. For interfaces such as SNMP, LonWorks, Metasys and BACnet, please contact Airedale.
Also available is Airedale's own supervisory plug-in BMS card pCOWeb.Based on Ethernet TCP/IP secure technology with SNMP features. Requires no proprietary cabling or monitoring software and supplied pre programmed with an IP address for ease of set up. BMS system configuration by others.

Commissioning

Airedale Service provides a full commissioning service carried out by professionally trained, industry experienced engineers. For a competitive quotation, please contact Airedale Customer Services.

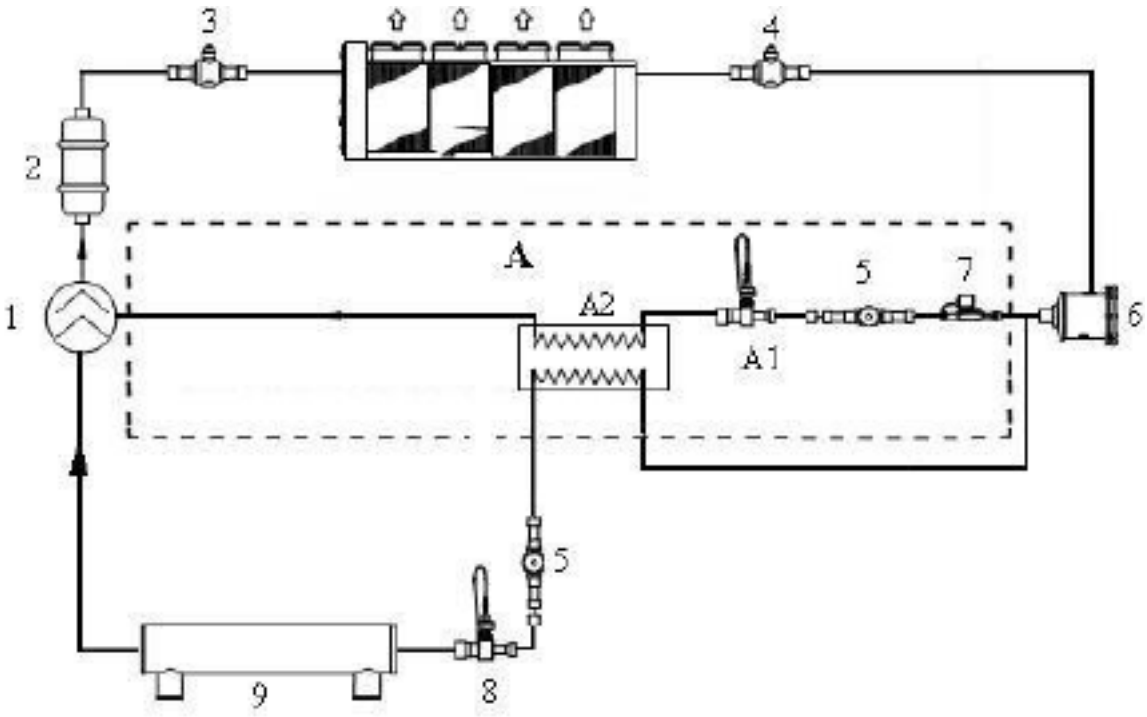
Chillerguard® UK Mainland

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.

Design Features & Information

Pipework Design

The unit refrigeration piping has been specifically designed to ensure the absolute minimum pressure loss. Sizing and layout of pipes is such that good oil circulation is achieved and neither performance nor efficiency is compromised.



1	Screw compressor	A	Economiser Circuit
2	Muffler (R Only)	A1	EEV
3	Ball Valve - Discharge	A2	Heat exchanger
4	Ball Valve - Liquid		
5	Sight Glass		
6	Filter driver - Replaceable core		
7	Solenoid valve		
8	EEV		
9	Evaporator		

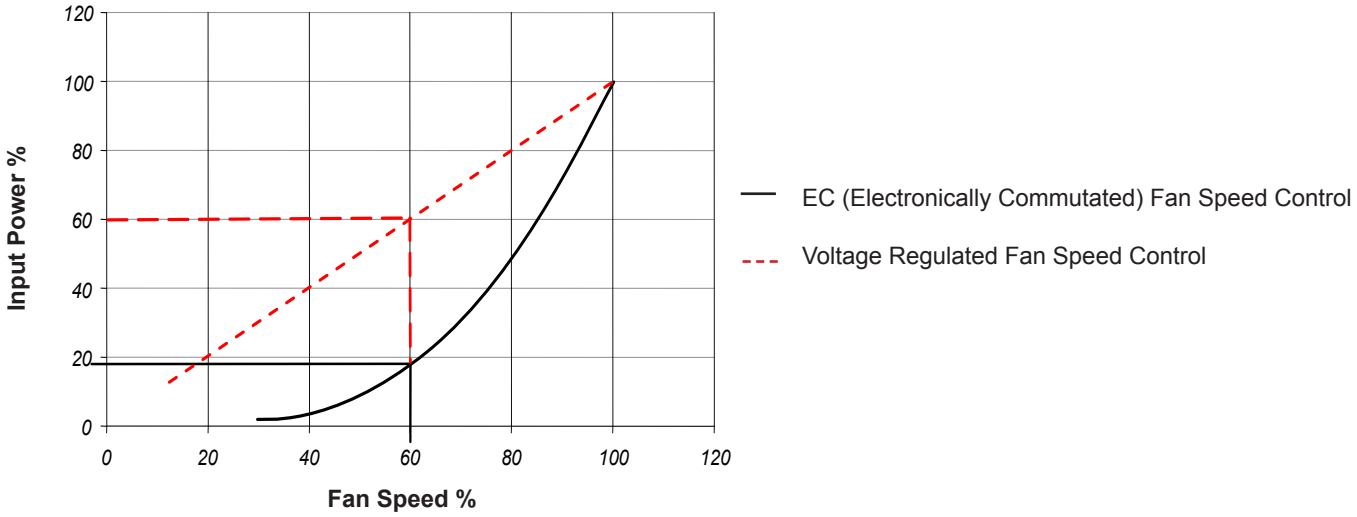
Design Features & Information

Economiser

The addition of an economiser circuit provides increased cooling and enhances EER, in full and part load operation. Sub-cooled liquid is expanded using a dedicated EEV to ‘ medium’ pressure and passed through one side of a plate heat exchanger. Through the other side flows the ‘normal’ pressure liquid. The result is that the subcooling of the liquid entering the system EEV is increased, which increases evaporator performance and simultaneously the suction pressure within the compressor body is lifted, improving compressor efficiency.

Electronically Commutated (EC) Fan Motor

EC motors are DC motors with integrated AC to DC conversion; this gives the flexibility of connecting to AC mains with the efficiency and simple speed control of a DC motor.
The EC fan offers significant power reduction in comparison with equivalent AC fan at modulated fan speeds. The inbuilt 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 part load fan speeds compared to the equivalent AC fan motor, offering typical efficiency savings up to 70%.
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.



Design Features & Information

Pumps options

A variety of pump options to suit a wide range of applications is 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 may be rotated manually to ensure even pump usage and prolong component life.
The pump motor speed can be supplied as fixed or variable:

Standard - AC Motor - Fixed Speed

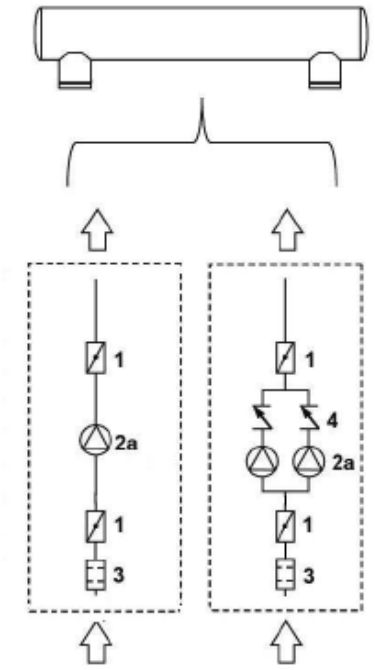
The standard AC electric motors are 400VAC / 50Hz / 3PH and fixed speed.

Inverter Driven Motor - Variable Speed for constant water flow

Flow is monitored by the onboard electronic flow meter to maintain the exact requirement of the application, thus saving pump input power whilst providing optimum chilled water flow control.
The option of an onboard variable speed drive combined with the electronic flow monitoring system offers an exceptional combination of simple commissioning and optimised efficiency.

Flow Schemes

A Single Head Pump - Standard AC Motor - Fixed Speed
B Run/Standby Pump - Standard AC Motor - Fixed Speed



1 Shut off valve
2a Pump
2b Pump Inverter
(mounted externally)
3 Liquid Strainer
4 Non Return Valve
5 Electronic Flow Meter
6 Microprocessor

Design Features & Information

Electronic Expansion Valves (EEV)

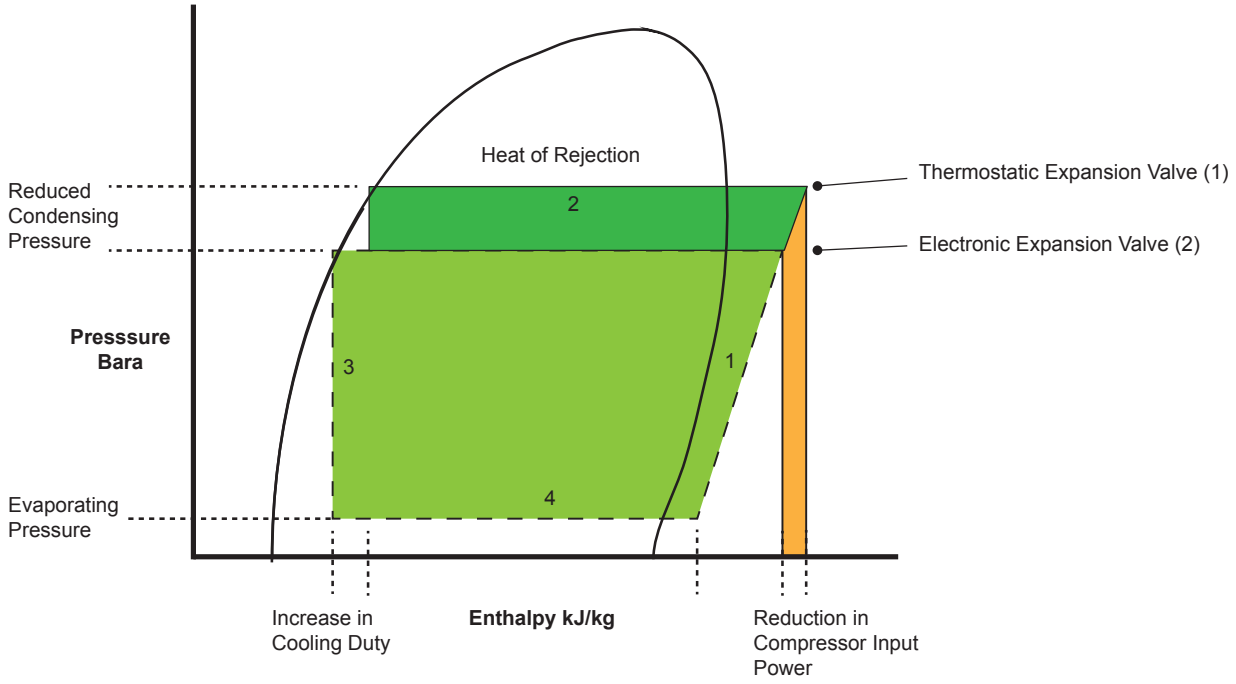
Thermostatic Expansion Valves (TEV)

Whilst offering versatile control at full design duty of the unit, TEVs do not automatically optimise themselves to all operating conditions. Therefore, if the unit is operating at 40% or 50% of full load, especially at a lower ambient temperature than that for which the valve was sized, the conventional TEV must have the design head pressure available to ensure good refrigerant control. Maintaining an artificially high condensing pressure is normal in conventional systems.

Electronic Expansion Valves (EEV)

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) of up to 30% can typically be seen. The Mollier diagram shown below helps to illustrate how this increase in efficiency is achieved.

EEV's 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.

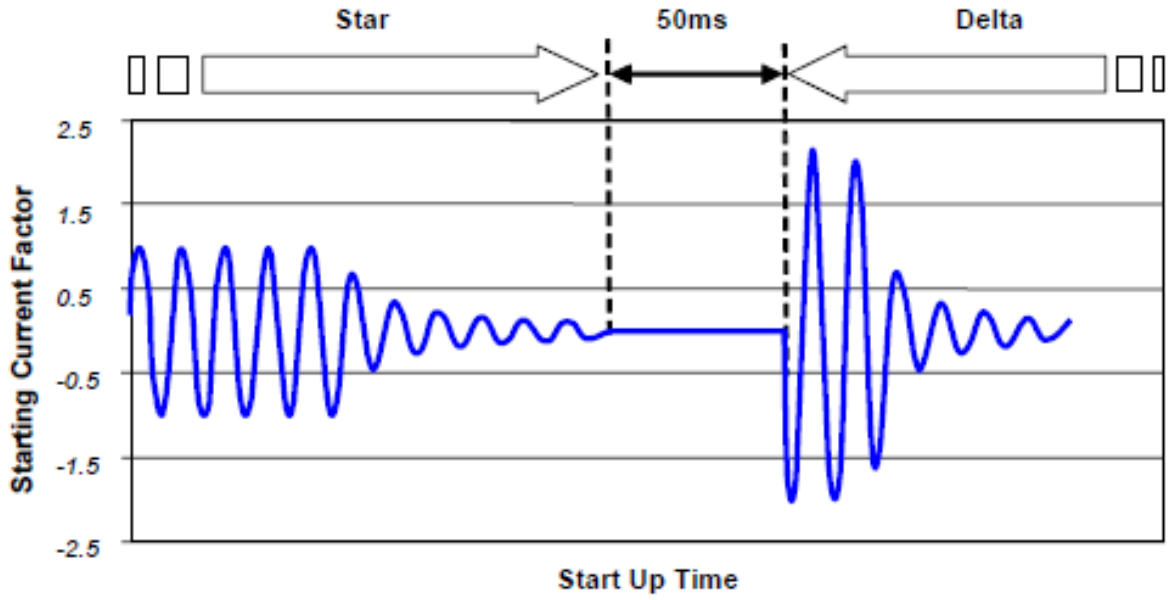


Design Features & Information

Star/delta starting of 3 phase compressors

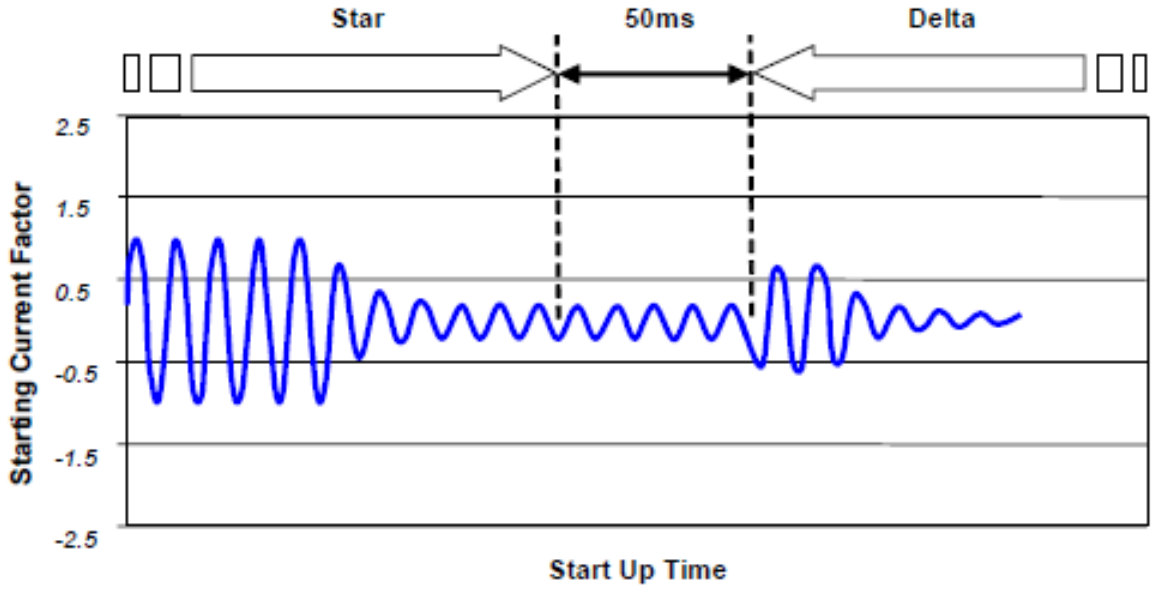
Open Transition Starting

In conventional open transition Star/Delta starting, a run up time of 3 seconds is required, however, a changeover delay of approximately 50ms is usually observed when switching over from Star to Delta motor connections.
During this switch from Star to Delta, the motor is completely disconnected from the supply and, depending on the counter torque, its speed decreases to some extent.
When the Delta step is switched on, it may be that the supply phase angle and the magnetic field in the motor are in opposition to each other, which will lead to transient phenomena causing high changeover current peaks.
Typical current waveform for standard screw compressor Star Delta start:.



Closed Transition Starting

In closed-transition Star/Delta starting, the motor is Delta-connected to the network via a transition contactor and resistors after the run-up in Star of 0.7 seconds switching over to the normal Delta step without disconnection from the supply. Thus no switching interval during which the motor is disconnected from the supply occurs, and high transient changeover current peaks are avoided.
Typical current waveform for closed transition start of a screw compressor:



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.

$Q = \rho \times \dot{m} \times Cp \times \Delta t$
Where
Q = 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% /0 °C	20% / -7.8°C	25% / -10.7°C	30% / -14.1°C	35% / -17.9°C	40% / -22.3°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% / -3.2°C	20% / -7.8°C	30% / -14.1°C	40% / -22.3°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

Performance Data

Operating limits

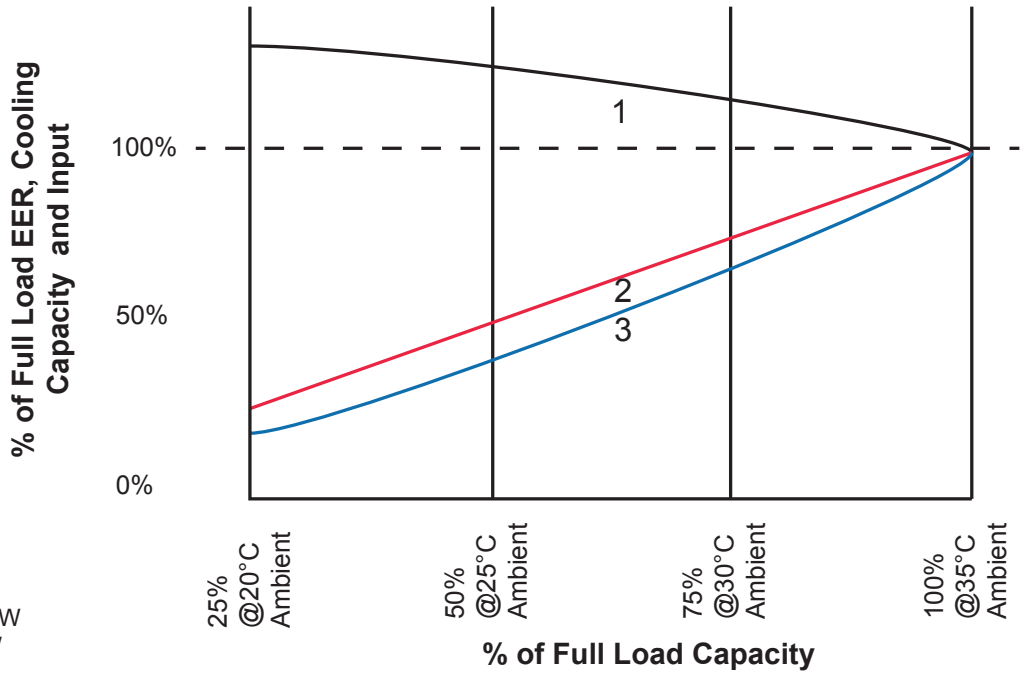
(for 100% water)

Standard Unit	
Minimum Ambient Air DB °C	-20°C
Maximum Ambient Air DB °C at Full Load Operation	35°C
Maximum Ambient Air DB °C at Reduced Load Operation	40°C
Minimum Leaving Water Temperature °C	+5°C
Maximum Return Water Temperature °C	+28°C
Minimum / Maximum ΔT	4K / 8K

1 For conditions outside those quoted, please refer to Airedale.
2 For minimum ambient, it is assumed that adequate freeze protection is fitted.

Typical part load characteristics

The following graph gives a general indication of the effect of reduced load on the performance of the unit, for specific performance details, please contact Airedale.



Key
1 = EER
2 = Output kW
3 = Input kW

ESEER Calculations

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.
$ESEER = A.EER_{100\%} + B.EER_{75\%} + C.EER_{50\%} + D.EER_{25\%}$
A, B, C and D are weighting factors 0.03, 0.33, 0.41 and 0.23.

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

Performance Data

Glycol Data

For a given percentage of glycol in the system there are correction factors that need to be applied, the following tables can be used as a guide.

CAUTION

The source data must be at 20% Glycol for the correction factors to be valid.

This data is for a guide only. Please contact Airedale for accurate figures.

Where:

Output = (kW) Output (kW)

Compressor Input = (kW) Input (kW), (-) Minus TFPTFP

(Total Fan Power) = (kW) Quantity of Fans to unit x Fan Motor Size.

Water Flow = (l/s) ALWAYS USE 20% Glycol Specific heat Capacity of 3.9.

ÄT = (°C) Difference of Entering Water and Leaving Water temperature

Ethylene Glycol Nominal Correction Factors

Glycol in System / Freezing Point ºC		20% / -9°C	30% / -15°C	40% / -23°C
Cooling Duty	x by	1.00	0.98	0.96
Input Power		1.00	0.98	0.97
Water Flow		1.00	1.02	1.05
Pressure Drop		1.00	1.15	1.31

Propylene Glycol Nominal Correction Factors

Glycol in System / Freezing Point ºC		20% / -6°C	30% / -12°C	40% / -20°C
Cooling Duty	x by	1.00	0.98	0.93
Input Power		1.00	0.98	0.97
Water Flow		1.00	0.98	0.98
Pressure Drop		1.00	1.13	1.25

Example OFC076R16-66HS1 operating at 10/15, 35°C Ambient, 30% Ethylene Glycol

Cooling kW (752.2)			x 0.98	
30% Ethylene Glycol	=737.2 kW			
Input kW	(264.7)		x 0.98	259.4 kW
Flow l/s	(38.6)	(calculated: (Output) / ∆T x 3.9		
			x 1.02	39.37 l/s
Pressure Drop kPa (107.8)			x 1.15	124 kPa

Technical Data

OFC076R16-66HS1, OFC076R16-66MS1

Mechanical Data

			1		2	
	Notes	Units	**OFC076R16-66HS1**		**OFC076R16-66MS1**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	777.4	774.3	780.7	777.5
Nom Input -Cooling Only		kW	245.3	248.2	246.6	249.5
EER	2		3.17	3.12	3.17	3.12
ESEER			3.84	3.81	3.99	3.95
Nominal Output - Free Cooling	5	kW	483.1	540.6	483.8	541.4
Ambient when Free Cooling = 100% Nominal DX	6		-4.3	-2.2	-4.4	-2.2
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 9850		2600 x 2200 x 9850	
Machine Weight	3	kg	11295	11360	11230	11305
Operating Weight		kg	12535	12710	12470	12655
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	72.8	72.8	72.8	72.8
Total Min. Water Flow		l/s	18.1	18.1	18.1	18.1
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	31.7	31.7	31.7	31.7
Maximum Airflow - EC Fans		m³/s	79.2	75.6	79.2	75.6
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			16	16	16	16
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	154 + 155	154 + 155	154 + 155	154 + 155
GWP Tonnes Equivalent CO_2			220.22 + 221.65	220.22 + 221.65	220.22 + 221.65	220.22 + 221.65
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1240	1358	1240	1358
Minimum System Water Volume	4	l	3376	3486	3389	3498
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	38.6	38.3	38.7	38.4
Pressure Drop 20% Ethylene Glycol		kPa	107.8	93.9	107.4	93.6
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	157.8	143.9	157.4	143.6
Single Head / Run S'By - +100 kPa		kPa	207.8	193.9	207.4	193.6

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC076R16-66HS1, OFC076R16-66MS1

Electrical Data

	Notes		OFC076R16-66HS1	OFC076R16-66MS1
Unit Data				
Nominal Run Amps	(1)	A	447	429
Maximum Start Amps		A	844	685
Recommended Mains Fuse Size		A	560	560
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			16	16
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	188.9 / 188.9	179.9 / 179.9
Motor Rating		kW	105.0 / 105.0	105.0 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	586.0 / 586.0	436.0 / 436.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	388	388
Maximum Start Amps		A	814	664
Compressor Nominal Run Amps		A	159.5 / 159.5	159.5 / 159.5
Recommended Mains Fuse Size		A	560	560
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	468	457
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	21.2	28.5
Motor Rating		kW	11	15
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	475	464
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	468	457
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	21.2	28.5
Motor Rating		kW	11	15
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	475	464
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC081R16-76MS2, OFC081R16-76ML2

Mechanical Data

			3		4	
	Notes	Units	**OFC081R16-76MS2**		**OFC081R16-76ML2**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	841.0	837.7	846.1	842.7
Nom Input -Cooling Only		kW	266.0	269.2	266.5	269.8
EER	2		3.16	3.11	3.17	3.12
ESEER			3.88	3.85	3.82	3.79
Nominal Output - Free Cooling	5	kW	495.6	557.6	496.6	558.9
Ambient when Free Cooling = 100% Nominal DX	6		-5.4	-3.0	-5.4	-3.1
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 9850		2600 x 2200 x 9850	
Machine Weight	3	kg	11260	11315	11260	11315
Operating Weight		kg	12490	12665	12490	12665
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	72.8	72.8	58.1	58.1
Total Min. Water Flow		l/s	18.1	18.1	14.4	14.4
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	31.7	31.7	31.7	31.7
Maximum Airflow - EC Fans		m³/s	79.2	75.6	79.2	75.6
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			16	16	16	16
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	156 + 157	156 + 157	156 + 157	156 + 157
GWP Tonnes Equivalent CO_2			223.08 + 224.51	223.08 + 224.51	223.08 + 224.51	223.08 + 224.51
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1228	1346	1228	1346
Minimum System Water Volume	4	l	3546	3655	3555	3665
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	41.3	41.0	41.6	41.3
Pressure Drop 20% Ethylene Glycol		kPa	123.7	108.0	85.7	76.8
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	173.7	158.0	135.7	126.8
Single Head / Run S'By - +100 kPa		kPa	223.7	208.0	185.7	176.8

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC081R16-76MS2, OFC081R16-76ML2

Electrical Data

	Notes		OFC081R16-76MS2	OFC081R16-76ML2
Unit Data				0
Nominal Run Amps	(1)	A	454	454
Maximum Start Amps		A	714	714
Recommended Mains Fuse Size		A	560	560
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			16	16
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	205.5 / 179.9	205.5 / 179.9
Motor Rating		kW	122.5 / 105.0	122.5 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	465.0 / 436.0	465.0 / 436.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	414	414
Maximum Start Amps		A	693	693
Compressor Nominal Run Amps		A	186.1 / 159.5	186.1 / 159.5
Recommended Mains Fuse Size		A	560	560
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	483	469
Recommended Mains Fuse Size		A	630	630
Pump Full Load Amps		A	28.5	14.8
Motor Rating		kW	15	7.5
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	489	483
Recommended Mains Fuse Size		A	630	630
Pump Full Load Amps		A	35	28.5
Motor Rating		kW	18.5	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	483	469
Recommended Mains Fuse Size		A	630	630
Pump Full Load Amps		A	28.5	14.8
Motor Rating		kW	15	7.5
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	489	483
Recommended Mains Fuse Size		A	630	630
Pump Full Load Amps		A	35	28.5
Motor Rating		kW	18.5	15

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC087R16-77ML2, OFC077R18-66HS1

Mechanical Data

			5		6	
	Notes	Units	**OFC087R16-77ML2**		**OFC077R18-66HS1**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	898.2	894.3	782.4	779.4
Nom Input -Cooling Only		kW	284.4	287.7	242.2	244.9
EER	2		3.16	3.11	3.23	3.18
ESEER			3.74	3.71	3.94	3.92
Nominal Output - Free Cooling	5	kW	506.1	571.8	534.7	597.8
Ambient when Free Cooling = 100% Nominal DX	6		-6.3	-3.8	-2.6	-0.6
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 9850		2600 x 2200 x 10850	
Machine Weight	3	kg	11275	11325	12495	12570
Operating Weight		kg	12505	12675	14025	14230
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	58.1	58.1	72.8	72.8
Total Min. Water Flow		l/s	14.4	14.4	18.1	18.1
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	31.7	31.7	35.6	35.6
Maximum Airflow - EC Fans		m³/s	79.2	75.6	89.1	85.1
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			16	16	18	18
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	156 + 157	156 + 157	167 + 168	167 + 168
GWP Tonnes Equivalent CO_2			223.08 + 224.51	223.08 + 224.51	238.81 + 240.24	238.81 + 240.24
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN150	DN150	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1228	1346	1532	1665
Minimum System Water Volume	4	l	3700	3808	3681	3806
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	44.1	43.7	39.1	38.9
Pressure Drop 20% Ethylene Glycol		kPa	95.3	85.4	91.6	76.1
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	145.3	135.4	141.6	126.1
Single Head / Run S'By - +100 kPa		kPa	195.3	185.4	191.6	176.1

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC087R16-77ML2, OFC077R18-66HS1

Electrical Data

	Notes		OFC087R16-77ML2	OFC077R18-66HS1
Unit Data			0	0
Nominal Run Amps	(1)	A	480	455
Maximum Start Amps		A	739	852
Recommended Mains Fuse Size		A	630	560
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			16	18
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	205.5 / 205.5	188.9 / 188.9
Motor Rating		kW	122.5 / 122.5	105.0 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	465.0 / 465.0	586.0 / 586.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	441	396
Maximum Start Amps		A	720	823
Compressor Nominal Run Amps		A	186.1 / 186.1	159.5 / 159.5
Recommended Mains Fuse Size		A	630	560
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	495	476
Recommended Mains Fuse Size		A	630	630
Pump Full Load Amps		A	14.8	21.2
Motor Rating		kW	7.5	11
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	508	484
Recommended Mains Fuse Size		A	630	630
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	495	476
Recommended Mains Fuse Size		A	630	630
Pump Full Load Amps		A	14.8	21.2
Motor Rating		kW	7.5	11
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	508	484
Recommended Mains Fuse Size		A	630	630
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC083R18-76ML2, OFC091R18-87HS4

Mechanical Data

			7		8	
	Notes	Units	**OFC083R18-76ML2**		**OFC091R18-87HS4**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	852.1	848.8	943.5	940.1
Nom Input -Cooling Only		kW	263.1	266.1	303.8	307.4
EER	2		3.24	3.19	3.11	3.06
ESEER			3.93	3.91	3.90	3.89
Nominal Output - Free Cooling	5	kW	550.4	619.1	569.2	644.6
Ambient when Free Cooling = 100% Nominal DX	6		-3.6	-1.4	-4.9	-2.5
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 10850		2600 x 2200 x 10850	
Machine Weight	3	kg	11620	11675	11770	11850
Operating Weight		kg	13980	14185	14175	14380
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	58.1	58.1	79.2	79.2
Total Min. Water Flow		l/s	14.4	14.4	19.7	19.7
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m^2	35.6	35.6	35.6	35.6
Maximum Airflow - EC Fans		m^3/s	89.1	85.1	89.1	85.1
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			18	18	18	18
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	169 + 170	169 + 170	180 + 173	180 + 173
GWP Tonnes Equivalent CO_2			241.67 + 243.1	241.67 + 243.1	257.4 + 247.39	257.4 + 247.39
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1520	1653	1554	1687
Minimum System Water Volume	4	l	3863	3987	4161	4284
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	42.2	41.9	46.5	46.2
Pressure Drop 20% Ethylene Glycol		kPa	76.7	66.8	123.4	102.4
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	126.7	116.8	173.4	152.4
Single Head / Run S'By - +100 kPa		kPa	176.7	166.8	223.4	202.4

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC083R18-76ML2, OFC091R18-87HS4

Electrical Data

	Notes		OFC083R18-76ML2	OFC091R18-87HS4
Unit Data			0	0
Nominal Run Amps	(1)	A	463	539
Maximum Start Amps		A	722	1099
Recommended Mains Fuse Size		A	560	670
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			18	18
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	205.5 / 179.9	245.4 / 216.3
Motor Rating		kW	122.5 / 105.0	138.8 / 122.5
Sump Heater Rating		W	300	300
Start Amps (2)		A	465.0 / 436.0	805.0 / 650.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	423	474
Maximum Start Amps		A	702	1069
Compressor Nominal Run Amps		A	186.1 / 159.5	210.9 / 186.1
Recommended Mains Fuse Size		A	560	670
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	478	568
Recommended Mains Fuse Size		A	630	710
Pump Full Load Amps		A	14.8	28.5
Motor Rating		kW	7.5	15
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	491	574
Recommended Mains Fuse Size		A	630	710
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	478	568
Recommended Mains Fuse Size		A	630	710
Pump Full Load Amps		A	14.8	28.5
Motor Rating		kW	7.5	15
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	491	574
Recommended Mains Fuse Size		A	630	710
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC095R18-88MS4, OFC107R18-99HL5

Mechanical Data

			9		10	
	Notes	Units	**OFC095R18-88MS4**		**OFC107R18-99HL5**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	996.0	992.3	1147.0	1142.5
Nom Input -Cooling Only		kW	330.9	334.9	377.4	382.0
EER	2		3.01	2.96	3.04	2.99
ESEER			3.81	3.80	3.73	3.73
Nominal Output - Free Cooling	5	kW	579.1	657.8	603.7	690.7
Ambient when Free Cooling = 100% Nominal DX	6		-5.6	-3.1	-7.8	-4.8
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 10850		2600 x 2200 x 10850	
Machine Weight	3	kg	12620	12700	13170	13250
Operating Weight		kg	14170	14380	15060	15270
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	79.2	79.2	73.3	73.3
Total Min. Water Flow		l/s	19.7	19.7	18.1	18.1
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	35.6	35.6	35.6	35.6
Maximum Airflow - EC Fans		m³/s	89.1	85.1	89.1	85.1
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			18	18	18	18
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	180 + 182	180 + 182	194 + 196	194 + 196
GWP Tonnes Equivalent CO_2			257.4 + 260.26	257.4 + 260.26	277.42 + 280.28	277.42 + 280.28
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1554	1687	1889	2022
Minimum System Water Volume	4	l	4313	4436	5043	5163
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	49.1	48.8	56.2	55.7
Pressure Drop 20% Ethylene Glycol		kPa	132.7	110.2	100.6	85.0
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	182.7	160.2	150.6	135.0
Single Head / Run S'By - +100 kPa		kPa	232.7	210.2	200.6	185.0

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC095R18-88MS4, OFC107R18-99HL5

Electrical Data

	Notes		OFC095R18-88MS4	OFC107R18-99HL5
Unit Data			0	0
Nominal Run Amps	(1)	A	560	610
Maximum Start Amps		A	905	1149
Recommended Mains Fuse Size		A	670	750
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			18	18
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	241.3 / 241.3	266.2 / 266.2
Motor Rating		kW	139.5 / 139.5	152.7 / 152.7
Sump Heater Rating		W	300	300
Start Amps (2)		A	586.0 / 586.0	805.0 / 805.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	501	541
Maximum Start Amps		A	875	1114
Compressor Nominal Run Amps		A	211.9 / 211.9	232.0 / 232.0
Recommended Mains Fuse Size		A	670	750
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	595	631
Recommended Mains Fuse Size		A	710	800
Pump Full Load Amps		A	35	21.2
Motor Rating		kW	18.5	11
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	601	638
Recommended Mains Fuse Size		A	710	800
Pump Full Load Amps		A	41.5	28.5
Motor Rating		kW	22	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	595	631
Recommended Mains Fuse Size		A	710	800
Pump Full Load Amps		A	35	21.2
Motor Rating		kW	18.5	11
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	601	638
Recommended Mains Fuse Size		A	710	800
Pump Full Load Amps		A	41.5	28.5
Motor Rating		kW	22	15

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC078R20-66ML1, OFC084R20-76HL2

Mechanical Data

			11		12	
	Notes	Units	**OFC078R20-66ML1**		**OFC084R20-76HL2**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	794.0	791.0	847.7	844.6
Nom Input -Cooling Only		kW	241.3	244.0	261.6	264.5
EER	2		3.29	3.24	3.24	3.19
ESEER			4.09	4.07	3.74	3.72
Nominal Output - Free Cooling	5	kW	586.2	655.2	600.0	673.9
Ambient when Free Cooling = 100% Nominal DX	6		-1.3	0.5	-2.0	-0.0
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 11850		2600 x 2200 x 11850	
Machine Weight	3	kg	13155	13225	13245	13315
Operating Weight		kg	14795	15015	14865	15085
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	58.1	58.1	58.1	58.1
Total Min. Water Flow		l/s	14.4	14.4	14.4	14.4
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	39.6	39.6	39.6	39.6
Maximum Airflow - EC Fans		m³/s	99.0	94.5	99.0	94.5
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			20	20	20	20
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	180 + 181	180 + 181	182 + 183	182 + 183
GWP Tonnes Equivalent CO_2			257.4 + 258.83	257.4 + 258.83	260.26 + 261.69	260.26 + 261.69
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1635	1783	1624	1771
Minimum System Water Volume	4	l	3819	3959	3952	4091
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	39.8	39.6	42.3	42.0
Pressure Drop 20% Ethylene Glycol		kPa	68.7	59.0	80.5	69.4
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	118.7	109.0	130.5	119.4
Single Head / Run S'By - +100 kPa		kPa	168.7	159.0	180.5	169.4

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC078R20-66ML1, OFC084R20-76HL2

Electrical Data

	Notes		OFC078R20-66ML1	OFC084R20-76HL2
Unit Data			0	0
Nominal Run Amps	(1)	A	446	491
Maximum Start Amps		A	702	925
Recommended Mains Fuse Size		A	560	630
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			20	20
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	179.9 / 179.9	216.3 / 188.9
Motor Rating		kW	105.0 / 105.0	122.5 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	436.0 / 436.0	650.0 / 586.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	405	432
Maximum Start Amps		A	682	896
Compressor Nominal Run Amps		A	159.5 / 159.5	186.1 / 159.5
Recommended Mains Fuse Size		A	560	630
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	461	506
Recommended Mains Fuse Size		A	560	630
Pump Full Load Amps		A	14.8	14.8
Motor Rating		kW	7.5	7.5
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	461	506
Recommended Mains Fuse Size		A	560	630
Pump Full Load Amps		A	14.8	14.8
Motor Rating		kW	7.5	7.5
Standard Head Inverter Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	461	506
Recommended Mains Fuse Size		A	560	630
Pump Full Load Amps		A	14.8	14.8
Motor Rating		kW	7.5	7.5
Larger Head Inverter Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	461	506
Recommended Mains Fuse Size		A	560	630
Pump Full Load Amps		A	14.8	14.8
Motor Rating		kW	7.5	7.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC092R20-87MS4, OFC099R20-88HS6

Mechanical Data

			13		14	
	Notes	Units	**OFC092R20-87MS4**		**OFC099R20-88HS6**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	956.4	953.0	1035.0	1031.2
Nom Input -Cooling Only		kW	302.8	306.4	323.0	326.8
EER	2		3.16	3.11	3.20	3.16
ESEER			3.92	3.91	4.01	4.01
Nominal Output - Free Cooling	5	kW	625.5	708.1	641.8	730.0
Ambient when Free Cooling = 100% Nominal DX	6		-3.3	-1.1	-4.3	-1.9
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 11850		2600 x 2200 x 11850	
Machine Weight	3	kg	13280	13365	13850	13935
Operating Weight		kg	14940	15165	15840	16075
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	79.2	79.2	91.9	91.9
Total Min. Water Flow		l/s	19.7	19.7	22.8	22.8
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	39.6	39.6	39.6	39.6
Maximum Airflow - EC Fans		m³/s	99.0	94.5	99.0	94.5
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			20	20	20	20
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	194 + 186	194 + 186	205 + 207	205 + 207
GWP Tonnes Equivalent CO_2			277.42 + 265.98	277.42 + 265.98	293.15 + 296.01	293.15 + 296.01
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1657	1805	1992	2140
Minimum System Water Volume	4	l	4302	4440	4863	5000
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	47.3	47.0	51.2	50.9
Pressure Drop 20% Ethylene Glycol		kPa	129.6	106.2	129.6	102.7
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	179.6	156.2	179.6	152.7
Single Head / Run S'By - +100 kPa		kPa	229.6	206.2	229.6	202.7

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC092R20-87MS4, OFC099R20-88HS6

Electrical Data

	Notes		OFC092R20-87MS4	OFC099R20-88HS6
Unit Data			0	0
Nominal Run Amps	(1)	A	533	577
Maximum Start Amps		A	878	1136
Recommended Mains Fuse Size		A	670	710
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			20	20
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	241.3 / 205.5	245.4 / 245.4
Motor Rating		kW	139.5 / 122.5	138.8 / 138.8
Sump Heater Rating		W	300	300
Start Amps (2)		A	586.0 / 465.0	805.0 / 805.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	484	508
Maximum Start Amps		A	858	1102
Compressor Nominal Run Amps		A	211.9 / 186.1	210.9 / 210.9
Recommended Mains Fuse Size		A	670	710
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	568	605
Recommended Mains Fuse Size		A	710	750
Pump Full Load Amps		A	35	28.5
Motor Rating		kW	18.5	15
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	574	612
Recommended Mains Fuse Size		A	710	750
Pump Full Load Amps		A	41.5	35
Motor Rating		kW	22	18.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	568	605
Recommended Mains Fuse Size		A	710	750
Pump Full Load Amps		A	35	28.5
Motor Rating		kW	18.5	15
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	574	612
Recommended Mains Fuse Size		A	710	750
Pump Full Load Amps		A	41.5	35
Motor Rating		kW	22	18.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC108R20-99HL6, OFC078R22-66MS1

Mechanical Data

			15		16	
	Notes	Units	**OFC108R20-99HL6**		**OFC078R22-66MS1**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	1154.6	1150.2	792.0	789.1
Nom Input -Cooling Only		kW	373.0	377.5	238.9	241.5
EER	2		3.10	3.05	3.32	3.27
ESEER			3.85	3.85	4.17	4.15
Nominal Output - Free Cooling	5	kW	663.4	758.6	632.5	705.8
Ambient when Free Cooling = 100% Nominal DX	6		-5.9	-3.2	-0.0	1.6
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 11850		2600 x 2200 x 12850	
Machine Weight	3	kg	13910	13985	13900	14000
Operating Weight		kg	15890	16115	15660	15920
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	91.9	91.9	72.8	72.8
Total Min. Water Flow		l/s	22.8	22.8	18.1	18.1
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m^2	39.6	39.6	43.6	43.6
Maximum Airflow - EC Fans		m^3/s	99.0	94.5	108.9	104.0
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			20	20	22	22
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	208 + 209	208 + 209	191 + 192	191 + 192
GWP Tonnes Equivalent CO_2			297.44 + 298.87	297.44 + 298.87	273.13 + 274.56	273.13 + 274.56
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1977	2125	1756	1919
Minimum System Water Volume	4	l	5148	5283	3935	4090
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	57.0	56.6	39.9	39.7
Pressure Drop 20% Ethylene Glycol		kPa	82.5	65.2	100.8	81.8
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	132.5	115.2	150.8	131.8
Single Head / Run S'By - +100 kPa		kPa	182.5	165.2	200.8	181.8

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC108R20-99HL6, OFC078R22-66MS1

Electrical Data

	Notes		OFC108R20-99HL6	OFC078R22-66MS1
Unit Data			0	0
Nominal Run Amps	(1)	A	618	454
Maximum Start Amps		A	1157	711
Recommended Mains Fuse Size		A	750	560
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			20	22
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	266.2 / 266.2	179.9 / 179.9
Motor Rating		kW	152.7 / 152.7	105.0 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	805.0 / 805.0	436.0 / 436.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	550	414
Maximum Start Amps		A	1123	690
Compressor Nominal Run Amps		A	232.0 / 232.0	159.5 / 159.5
Recommended Mains Fuse Size		A	750	560
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	640	483
Recommended Mains Fuse Size		A	800	630
Pump Full Load Amps		A	21.2	28.5
Motor Rating		kW	11	15
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	647	489
Recommended Mains Fuse Size		A	800	630
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	640	483
Recommended Mains Fuse Size		A	800	630
Pump Full Load Amps		A	21.2	28.5
Motor Rating		kW	11	15
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	647	489
Recommended Mains Fuse Size		A	800	630
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC084R22-76MS2, OFC093R22-87HS4

Mechanical Data

			17		18	
	Notes	Units	**OFC084R22-76MS2**		**OFC093R22-87HS4**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	853.7	850.7	951.4	948.2
Nom Input -Cooling Only		kW	257.7	260.4	297.9	301.2
EER	2		3.31	3.27	3.19	3.15
ESEER			4.07	4.05	3.96	3.96
Nominal Output - Free Cooling	5	kW	650.3	729.8	676.1	764.4
Ambient when Free Cooling = 100% Nominal DX	6		-0.8	1.0	-1.9	0.1
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 12850		2600 x 2200 x 12850	
Machine Weight	3	kg	13935	14020	14100	14185
Operating Weight		kg	15685	15930	15880	16125
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	72.8	72.8	79.2	79.2
Total Min. Water Flow		l/s	18.1	18.1	19.7	19.7
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m^2	43.6	43.6	43.6	43.6
Maximum Airflow - EC Fans		m^3/s	108.9	104.0	108.9	104.0
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			22	22	22	22
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	193 + 194	193 + 194	205 + 197	205 + 197
GWP Tonnes Equivalent CO_2			275.99 + 277.42	275.99 + 277.42	293.15 + 281.71	293.15 + 281.71
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1744	1907	1778	1940
Minimum System Water Volume	4	l	4095	4250	4406	4559
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	42.7	42.5	47.3	47.1
Pressure Drop 20% Ethylene Glycol		kPa	116.5	95.0	136.9	110.9
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	166.5	145.0	186.9	160.9
Single Head / Run S'By - +100 kPa		kPa	216.5	195.0	236.9	210.9

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC084R22-76MS2, OFC093R22-87HS4

Electrical Data

	Notes		OFC084R22-76MS2	OFC093R22-87HS4
Unit Data			0	0
Nominal Run Amps	(1)	A	480	556
Maximum Start Amps		A	740	1116
Recommended Mains Fuse Size		A	630	670
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			22	22
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	205.5 / 179.9	245.4 / 216.3
Motor Rating		kW	122.5 / 105.0	138.8 / 122.5
Sump Heater Rating		W	300	300
Start Amps (2)		A	465.0 / 436.0	805.0 / 650.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	440	492
Maximum Start Amps		A	719	1086
Compressor Nominal Run Amps		A	186.1 / 159.5	210.9 / 186.1
Recommended Mains Fuse Size		A	630	670
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	509	585
Recommended Mains Fuse Size		A	630	710
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	515	591
Recommended Mains Fuse Size		A	630	710
Pump Full Load Amps		A	35	35
Motor Rating		kW	18.5	18.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	509	585
Recommended Mains Fuse Size		A	630	710
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	515	591
Recommended Mains Fuse Size		A	630	710
Pump Full Load Amps		A	35	35
Motor Rating		kW	18.5	18.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC097R22-88MS4, OFC109R22-99HL5

Mechanical Data

			19		20	
	Notes	Units	**OFC097R22-88MS4**		**OFC109R22-99HL5**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	1004.7	1001.2	1159.0	1154.7
Nom Input -Cooling Only		kW	324.3	327.9	369.6	373.8
EER	2		3.10	3.05	3.14	3.09
ESEER			3.87	3.87	3.79	3.80
Nominal Output - Free Cooling	5	kW	688.9	781.5	721.1	824.1
Ambient when Free Cooling = 100% Nominal DX	6		-2.5	-0.4	-4.3	-1.8
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 12850		2600 x 2200 x 12850	
Machine Weight	3	kg	14100	14190	14640	14735
Operating Weight		kg	15880	16130	16750	17005
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	79.2	79.2	73.3	73.3
Total Min. Water Flow		l/s	19.7	19.7	18.1	18.1
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m^2	43.6	43.6	43.6	43.6
Maximum Airflow - EC Fans		m^3/s	108.9	104.0	108.9	104.0
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			22	22	22	22
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	980	980	980	980
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	205 + 207	205 + 207	217 + 218	217 + 218
GWP Tonnes Equivalent CO_2			293.15 + 296.01	293.15 + 296.01	310.31 + 311.74	310.31 + 311.74
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1778	1940	2114	2276
Minimum System Water Volume	4	l	4561	4714	5299	5450
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	50.0	49.8	57.5	57.2
Pressure Drop 20% Ethylene Glycol		kPa	147.4	119.5	111.8	92.5
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	197.4	169.5	161.8	142.5
Single Head / Run S'By - +100 kPa		kPa	247.4	219.5	211.8	192.5

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC097R22-88MS4, OFC109R22-99HL5

Electrical Data

	Notes		OFC097R22-88MS4	OFC109R22-99HL5
Unit Data			0	0
Nominal Run Amps	(1)	A	577	627
Maximum Start Amps		A	922	1166
Recommended Mains Fuse Size		A	710	750
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			22	22
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	241.3 / 241.3	266.2 / 266.2
Motor Rating		kW	139.5 / 139.5	152.7 / 152.7
Sump Heater Rating		W	300	300
Start Amps (2)		A	586.0 / 586.0	805.0 / 805.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	518	559
Maximum Start Amps		A	893	1132
Compressor Nominal Run Amps		A	211.9 / 211.9	232.0 / 232.0
Recommended Mains Fuse Size		A	710	750
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	612	648
Recommended Mains Fuse Size		A	750	800
Pump Full Load Amps		A	35	21.2
Motor Rating		kW	18.5	11
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	629	656
Recommended Mains Fuse Size		A	750	800
Pump Full Load Amps		A	52	28.5
Motor Rating		kW	30	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	612	648
Recommended Mains Fuse Size		A	750	800
Pump Full Load Amps		A	35	21.2
Motor Rating		kW	18.5	11
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	629	656
Recommended Mains Fuse Size		A	750	800
Pump Full Load Amps		A	52	28.5
Motor Rating		kW	30	15

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC073X16-66HS1, OFC074X16-66HL1

Mechanical Data

			21		22	
	Notes	Units	**OFC073X16-66HS1**		**OFC074X16-66HL1**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	750.4	743.4	754.4	747.3
Nom Input -Cooling Only		kW	245.6	248.9	246.1	249.4
EER	2		3.05	2.99	3.07	3.00
ESEER			3.87	3.83	3.83	3.80
Nominal Output - Free Cooling	5	kW	399.9	437.1	400.4	437.8
Ambient when Free Cooling = 100% Nominal DX	6		-7.5	-5.4	-7.6	-5.5
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 9850		2600 x 2200 x 9850	
Machine Weight	3	kg	11295	11360	11295	11360
Operating Weight		kg	12535	12710	12535	12710
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	72.8	72.8	58.1	58.1
Total Min. Water Flow		l/s	18.1	18.1	14.4	14.4
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m^2	31.7	31.7	31.7	31.7
Maximum Airflow - EC Fans		m^3/s	55.3	52.6	55.3	52.6
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			16	16	16	16
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	154 + 155	154 + 155	154 + 155	154 + 155
GWP Tonnes Equivalent CO_2			220.22 + 221.65	220.22 + 221.65	220.22 + 221.65	220.22 + 221.65
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1240	1358	1240	1358
Minimum System Water Volume	4	l	3309	3409	3319	3419
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	37.3	36.9	37.4	37.1
Pressure Drop 20% Ethylene Glycol		kPa	101.1	87.7	69.1	61.5
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	151.1	137.7	119.1	111.5
Single Head / Run S'By - +100 kPa		kPa	201.1	187.7	169.1	161.5

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC073X16-66HS1, OFC074X16-66HL1

Electrical Data

	Notes		OFC073X16-66HS1	OFC074X16-66HL1
Unit Data			0	0
Nominal Run Amps	(1)	A	418	418
Maximum Start Amps		A	815	815
Recommended Mains Fuse Size		A	500	500
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			16	16
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	188.9 / 188.9	188.9 / 188.9
Motor Rating		kW	105.0 / 105.0	105.0 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	586.0 / 586.0	586.0 / 586.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	359	359
Maximum Start Amps		A	786	786
Compressor Nominal Run Amps		A	159.5 / 159.5	159.5 / 159.5
Recommended Mains Fuse Size		A	500	500
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	439	433
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	21.2	14.8
Motor Rating		kW	11	7.5
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	446	433
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	28.5	14.8
Motor Rating		kW	15	7.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	439	433
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	21.2	14.8
Motor Rating		kW	11	7.5
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	446	433
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	28.5	14.8
Motor Rating		kW	15	7.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC078X16-76HS2, OFC079X16-76HL2

Mechanical Data

			23		24	
	Notes	Units	**OFC078X16-76HS2**		**OFC079X16-76HL2**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	797.1	789.1	801.2	793.1
Nom Input -Cooling Only		kW	267.4	271.1	267.9	271.6
EER	2		2.98	2.91	2.99	2.92
ESEER			3.67	3.64	3.62	3.59
Nominal Output - Free Cooling	5	kW	405.7	444.4	406.2	445.0
Ambient when Free Cooling = 100% Nominal DX	6		-8.6	-6.3	-8.7	-6.4
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 9850		2600 x 2200 x 9850	
Machine Weight	3	kg	11315	11385	11315	11385
Operating Weight		kg	12545	12735	12545	12735
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	72.8	72.8	58.1	58.1
Total Min. Water Flow		l/s	18.1	18.1	14.4	14.4
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	31.7	31.7	31.7	31.7
Maximum Airflow - EC Fans		m³/s	55.3	52.6	55.3	52.6
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			16	16	16	16
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	156 + 157	156 + 157	156 + 157	156 + 157
GWP Tonnes Equivalent CO_2			223.08 + 224.51	223.08 + 224.51	223.08 + 224.51	223.08 + 224.51
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN150	DN150	DN150	DN150
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1228	1346	1228	1346
Minimum System Water Volume	4	l	3431	3528	3439	3536
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	39.5	39.2	39.7	39.4
Pressure Drop 20% Ethylene Glycol		kPa	115.9	100.7	80.3	71.6
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	165.9	150.7	130.3	121.6
Single Head / Run S'By - +100 kPa		kPa	215.9	200.7	180.3	171.6

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC078X16-76HS2, OFC079X16-76HL2

Electrical Data

	Notes		OFC078X16-76HS2	OFC079X16-76HL2
Unit Data			0	0
Nominal Run Amps	(1)	A	445	445
Maximum Start Amps		A	879	879
Recommended Mains Fuse Size		A	560	560
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			16	16
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	216.3 / 188.9	216.3 / 188.9
Motor Rating		kW	122.5 / 105.0	122.5 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	650.0 / 586.0	650.0 / 586.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	386	386
Maximum Start Amps		A	850	850
Compressor Nominal Run Amps		A	186.1 / 159.5	186.1 / 159.5
Recommended Mains Fuse Size		A	560	560
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	466	460
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	21.2	14.8
Motor Rating		kW	11	7.5
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	474	460
Recommended Mains Fuse Size		A	630	560
Pump Full Load Amps		A	28.5	14.8
Motor Rating		kW	15	7.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	466	460
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	21.2	14.8
Motor Rating		kW	11	7.5
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	474	460
Recommended Mains Fuse Size		A	630	560
Pump Full Load Amps		A	28.5	14.8
Motor Rating		kW	15	7.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC083X16-77HL2, OFC075X18-66MS1

Mechanical Data

			25		26	
	Notes	Units	**OFC083X16-77HL2**		**OFC075X18-66MS1**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	843.6	834.6	765.9	759.5
Nom Input -Cooling Only		kW	289.8	293.8	242.6	245.6
EER	2		2.91	2.84	3.16	3.09
ESEER			3.55	3.53	4.12	4.09
Nominal Output - Free Cooling	5	kW	411.1	451.2	446.2	488.2
Ambient when Free Cooling = 100% Nominal DX	6		-9.6	-7.2	-5.6	-3.7
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 9850		2600 x 2200 x 10850	
Machine Weight	3	kg	11325	11395	12435	12510
Operating Weight		kg	12555	12745	13965	14170
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	58.1	58.1	72.8	72.8
Total Min. Water Flow		l/s	14.4	14.4	18.1	18.1
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	31.7	31.7	35.6	35.6
Maximum Airflow - EC Fans		m³/s	55.3	52.6	62.2	59.2
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			16	16	18	18
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	156 + 157	156 + 157	167 + 168	167 + 168
GWP Tonnes Equivalent CO_2			223.08 + 224.51	223.08 + 224.51	238.81 + 240.24	238.81 + 240.24
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN150	DN150	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1228	1346	1532	1665
Minimum System Water Volume	4	l	3559	3653	3646	3762
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	41.8	41.4	38.0	37.7
Pressure Drop 20% Ethylene Glycol		kPa	89.1	79.4	86.4	71.6
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	139.1	129.4	136.4	121.6
Single Head / Run S'By - +100 kPa		kPa	189.1	179.4	186.4	171.6

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013

(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.

(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.

(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.

(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC083X16-77HL2, OFC075X18-66MS1

Electrical Data

	Notes		OFC083X16-77HL2	OFC075X18-66MS1
Unit Data			0	0
Nominal Run Amps	(1)	A	473	405
Maximum Start Amps		A	906	661
Recommended Mains Fuse Size		A	630	500
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			16	18
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	216.3 / 216.3	179.9 / 179.9
Motor Rating		kW	122.5 / 122.5	105.0 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	650.0 / 650.0	436.0 / 436.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	412	364
Maximum Start Amps		A	876	641
Compressor Nominal Run Amps		A	186.1 / 186.1	159.5 / 159.5
Recommended Mains Fuse Size		A	630	500
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	487	440
Recommended Mains Fuse Size		A	630	560
Pump Full Load Amps		A	14.8	35
Motor Rating		kW	7.5	18.5
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	494	433
Recommended Mains Fuse Size		A	630	560
Pump Full Load Amps		A	21.2	28.5
Motor Rating		kW	11	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	487	440
Recommended Mains Fuse Size		A	630	560
Pump Full Load Amps		A	14.8	35
Motor Rating		kW	7.5	18.5
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	494	433
Recommended Mains Fuse Size		A	630	560
Pump Full Load Amps		A	21.2	28.5
Motor Rating		kW	11	15

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC080X18-76ML2, OFC088X18-87HS4

Mechanical Data

			27		28	
	Notes	Units	**OFC080X18-76ML2**		**OFC088X18-87HS4**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	823.8	816.4	904.9	896.4
Nom Input -Cooling Only		kW	261.8	265.1	304.3	308.5
EER	2		3.15	3.08	2.97	2.91
ESEER			3.93	3.90	3.92	3.90
Nominal Output - Free Cooling	5	kW	454.3	498.3	464.8	511.5
Ambient when Free Cooling = 100% Nominal DX	6		-6.8	-4.6	-8.4	-6.0
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 10850		2600 x 2200 x 10850	
Machine Weight	3	kg	11620	11675	11770	11850
Operating Weight		kg	13980	14185	14175	14380
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	58.1	58.1	79.2	79.2
Total Min. Water Flow		l/s	14.4	14.4	19.7	19.7
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	35.6	35.6	35.6	35.6
Maximum Airflow - EC Fans		m³/s	62.2	59.2	62.2	59.2
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			18	18	18	18
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	169 + 170	169 + 170	180 + 173	180 + 173
GWP Tonnes Equivalent CO_2			241.67 + 243.1	241.67 + 243.1	257.4 + 247.39	257.4 + 247.39
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1520	1653	1554	1687
Minimum System Water Volume	4	l	3794	3908	4062	4172
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	40.8	40.5	44.9	44.5
Pressure Drop 20% Ethylene Glycol		kPa	72.4	62.8	116.1	95.9
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	122.4	112.8	166.1	145.9
Single Head / Run S'By - +100 kPa		kPa	172.4	162.8	216.1	195.9

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC080X18-76ML2, OFC088X18-87HS4

Electrical Data

	Notes		OFC080X18-76ML2	OFC088X18-87HS4
Unit Data			0	0
Nominal Run Amps	(1)	A	430	507
Maximum Start Amps		A	690	1066
Recommended Mains Fuse Size		A	560	630
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			18	18
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	205.5 / 179.9	245.4 / 216.3
Motor Rating		kW	122.5 / 105.0	138.8 / 122.5
Sump Heater Rating		W	300	300
Start Amps (2)		A	465.0 / 436.0	805.0 / 650.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	391	442
Maximum Start Amps		A	670	1036
Compressor Nominal Run Amps		A	186.1 / 159.5	210.9 / 186.1
Recommended Mains Fuse Size		A	560	630
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	445	535
Recommended Mains Fuse Size		A	560	670
Pump Full Load Amps		A	14.8	28.5
Motor Rating		kW	7.5	15
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	459	542
Recommended Mains Fuse Size		A	560	670
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	445	535
Recommended Mains Fuse Size		A	560	670
Pump Full Load Amps		A	14.8	28.5
Motor Rating		kW	7.5	15
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	459	542
Recommended Mains Fuse Size		A	560	670
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC095X18-88HS6, OFC102X18-99HL6

Mechanical Data

			29		30	
	Notes	Units	**OFC095X18-88HS6**		**OFC102X18-99HL6**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	984.6	974.8	1080.4	1067.5
Nom Input -Cooling Only		kW	330.8	335.9	385.9	392.3
EER	2		2.98	2.90	2.80	2.72
ESEER			4.01	4.00	3.86	3.85
Nominal Output - Free Cooling	5	kW	474.0	523.1	483.8	535.1
Ambient when Free Cooling = 100% Nominal DX	6		-9.9	-7.3	-11.8	-8.9
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 10850		2600 x 2200 x 10850	
Machine Weight	3	kg	13130	13195	13200	13285
Operating Weight		kg	15020	15225	15070	15285
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	91.9	91.9	91.9	91.9
Total Min. Water Flow		l/s	22.8	22.8	22.8	22.8
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	35.6	35.6	35.6	35.6
Maximum Airflow - EC Fans		m³/s	62.2	59.2	62.2	59.2
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			18	18	18	18
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	197 + 196	197 + 196	199 + 198	199 + 198
GWP Tonnes Equivalent CO_2			281.71 + 280.28	281.71 + 280.28	284.57 + 283.14	284.57 + 283.14
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1889	2022	1874	2007
Minimum System Water Volume	4	l	4629	4736	4856	4955
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	48.7	48.2	53.8	53.2
Pressure Drop 20% Ethylene Glycol		kPa	113.3	90.5	71.4	56.9
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	163.3	140.5	121.4	106.9
Single Head / Run S'By - +100 kPa		kPa	213.3	190.5	171.4	156.9

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC095X18-88HS6, OFC102X18-99HL6

Electrical Data

	Notes		OFC095X18-88HS6	OFC102X18-99HL6
Unit Data			0	0
Nominal Run Amps	(1)	A	536	577
Maximum Start Amps		A	1095	1116
Recommended Mains Fuse Size		A	670	710
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			18	18
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	245.4 / 245.4	266.2 / 266.2
Motor Rating		kW	138.8 / 138.8	152.7 / 152.7
Sump Heater Rating		W	300	300
Start Amps (2)		A	805.0 / 805.0	805.0 / 805.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	467	509
Maximum Start Amps		A	1061	1082
Compressor Nominal Run Amps		A	210.9 / 210.9	232.0 / 232.0
Recommended Mains Fuse Size		A	670	710
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	564	599
Recommended Mains Fuse Size		A	710	750
Pump Full Load Amps		A	28.5	21.2
Motor Rating		kW	15	11
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	571	599
Recommended Mains Fuse Size		A	710	800
Pump Full Load Amps		A	35	21.2
Motor Rating		kW	18.5	11
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	564	599
Recommended Mains Fuse Size		A	710	750
Pump Full Load Amps		A	28.5	21.2
Motor Rating		kW	15	11
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	571	599
Recommended Mains Fuse Size		A	710	800
Pump Full Load Amps		A	35	21.2
Motor Rating		kW	18.5	11

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC076X20-66HS1, OFC081X20-76ML2

Mechanical Data

			31		32	
	Notes	Units	**OFC076X20-66HS1**		**OFC081X20-76ML2**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	773.6	768.2	836.0	829.4
Nom Input -Cooling Only		kW	238.5	241.1	258.4	261.3
EER	2		3.24	3.19	3.24	3.17
ESEER			3.99	3.97	3.97	3.95
Nominal Output - Free Cooling	5	kW	490.6	537.0	500.5	549.4
Ambient when Free Cooling = 100% Nominal DX	6		-3.9	-2.2	-5.0	-3.1
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 11850		2600 x 2200 x 11850	
Machine Weight	3	kg	13210	13290	13185	13265
Operating Weight		kg	14850	15080	14805	15035
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	72.8	72.8	58.1	58.1
Total Min. Water Flow		l/s	18.1	18.1	14.4	14.4
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	39.6	39.6	39.6	39.6
Maximum Airflow - EC Fans		m³/s	69.1	65.7	69.1	65.7
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			20	20	20	20
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	180 + 181	180 + 181	182 + 183	182 + 183
GWP Tonnes Equivalent CO_2			257.4 + 258.83	257.4 + 258.83	260.26 + 261.69	260.26 + 261.69
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1635	1783	1624	1771
Minimum System Water Volume	4	l	3765	3899	3929	4060
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	38.4	38.2	41.4	41.1
Pressure Drop 20% Ethylene Glycol		kPa	92.0	75.2	76.2	65.5
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	142.0	125.2	126.2	115.5
Single Head / Run S'By - +100 kPa		kPa	192.0	175.2	176.2	165.5

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC076X20-66HS1, OFC081X20-76ML2

Electrical Data

	Notes		OFC076X20-66HS1	OFC081X20-76ML2
Unit Data			0	0
Nominal Run Amps	(1)	A	428	435
Maximum Start Amps		A	825	695
Recommended Mains Fuse Size		A	560	560
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			20	20
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	188.9 / 188.9	205.5 / 179.9
Motor Rating		kW	105.0 / 105.0	122.5 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	586.0 / 586.0	465.0 / 436.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	369	396
Maximum Start Amps		A	796	675
Compressor Nominal Run Amps		A	159.5 / 159.5	186.1 / 159.5
Recommended Mains Fuse Size		A	560	560
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	449	450
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	21.2	14.8
Motor Rating		kW	11	7.5
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	456	464
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	449	450
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	21.2	14.8
Motor Rating		kW	11	7.5
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	456	464
Recommended Mains Fuse Size		A	560	560
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC092X20-87HS6, OFC097X20-88HL5

Mechanical Data

			33		34	
	Notes	Units	**OFC092X20-87HS6**		**OFC097X20-88HL5**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	951.0	943.0	997.6	988.6
Nom Input -Cooling Only		kW	303.3	307.2	324.0	328.5
EER	2		3.14	3.07	3.08	3.01
ESEER			4.06	4.05	3.93	3.93
Nominal Output - Free Cooling	5	kW	516.9	570.0	522.9	577.4
Ambient when Free Cooling = 100% Nominal DX	6		-7.1	-4.8	-7.9	-5.5
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 11850		2600 x 2200 x 11850	
Machine Weight	3	kg	13780	13870	13850	13935
Operating Weight		kg	15780	16010	15840	16075
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	91.9	91.9	73.3	73.3
Total Min. Water Flow		l/s	22.8	22.8	18.1	18.1
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	39.6	39.6	39.6	39.6
Maximum Airflow - EC Fans		m³/s	69.1	65.7	69.1	65.7
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			20	20	20	20
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	205 + 198	205 + 198	205 + 207	205 + 207
GWP Tonnes Equivalent CO_2			293.15 + 283.14	293.15 + 283.14	293.15 + 296.01	293.15 + 296.01
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1992	2140	1992	2140
Minimum System Water Volume	4	l	4634	4760	4739	4863
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	46.9	46.5	49.7	49.3
Pressure Drop 20% Ethylene Glycol		kPa	112.4	88.7	87.7	73.0
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	162.4	138.7	137.7	123.0
Single Head / Run S'By - +100 kPa		kPa	212.4	188.7	187.7	173.0

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC092X20-87HS6, OFC097X20-88HL5

Electrical Data

	Notes		OFC092X20-87HS6	OFC097X20-88HL5
Unit Data			0	0
Nominal Run Amps	(1)	A	512	541
Maximum Start Amps		A	1071	1100
Recommended Mains Fuse Size		A	630	670
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			20	20
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	245.4 / 216.3	245.4 / 245.4
Motor Rating		kW	138.8 / 122.5	138.8 / 138.8
Sump Heater Rating		W	300	300
Start Amps (2)		A	805.0 / 650.0	805.0 / 805.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	447	472
Maximum Start Amps		A	1041	1066
Compressor Nominal Run Amps		A	210.9 / 186.1	210.9 / 210.9
Recommended Mains Fuse Size		A	630	670
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	540	562
Recommended Mains Fuse Size		A	670	670
Pump Full Load Amps		A	28.5	21.2
Motor Rating		kW	15	11
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	547	569
Recommended Mains Fuse Size		A	670	710
Pump Full Load Amps		A	35	28.5
Motor Rating		kW	18.5	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	540	562
Recommended Mains Fuse Size		A	670	670
Pump Full Load Amps		A	28.5	21.2
Motor Rating		kW	15	11
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	547	569
Recommended Mains Fuse Size		A	670	710
Pump Full Load Amps		A	35	28.5
Motor Rating		kW	18.5	15

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC104X20-99HL6, OFC076X22-66HS1

Mechanical Data

			35		36	
	Notes	Units	**OFC104X20-99HL6**		**OFC076X22-66HS1**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	1101.6	1090.2	781.3	776.5
Nom Input -Cooling Only		kW	377.4	383.1	236.6	239.0
EER	2		2.92	2.85	3.30	3.25
ESEER			3.89	3.89	4.02	4.00
Nominal Output - Free Cooling	5	kW	534.8	592.0	534.1	584.7
Ambient when Free Cooling = 100% Nominal DX	6		-9.7	-7.1	-2.6	-0.9
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 11850		2600 x 2200 x 12850	
Machine Weight	3	kg	13910	13985	13960	14055
Operating Weight		kg	15890	16115	15720	15975
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	91.9	91.9	72.8	72.8
Total Min. Water Flow		l/s	22.8	22.8	18.1	18.1
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	39.6	39.6	43.6	43.6
Maximum Airflow - EC Fans		m³/s	69.1	65.7	76.0	72.3
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			20	20	22	22
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	208 + 209	208 + 209	191 + 192	191 + 192
GWP Tonnes Equivalent CO_2			297.44 + 298.87	297.44 + 298.87	273.13 + 274.56	273.13 + 274.56
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1977	2125	1756	1919
Minimum System Water Volume	4	l	5015	5132	3906	4056
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	54.8	54.3	38.8	38.6
Pressure Drop 20% Ethylene Glycol		kPa	77.2	60.7	97.1	78.6
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	127.2	110.7	147.1	128.6
Single Head / Run S'By - +100 kPa		kPa	177.2	160.7	197.1	178.6

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC104X20-99HL6, OFC076X22-66HS1

Electrical Data

	Notes		OFC104X20-99HL6	OFC076X22-66HS1
Unit Data			0	0
Nominal Run Amps	(1)	A	582	433
Maximum Start Amps		A	1121	830
Recommended Mains Fuse Size		A	710	560
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			20	22
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	266.2 / 266.2	188.9 / 188.9
Motor Rating		kW	152.7 / 152.7	105.0 / 105.0
Sump Heater Rating		W	300	300
Start Amps (2)		A	805.0 / 805.0	586.0 / 586.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	514	374
Maximum Start Amps		A	1087	801
Compressor Nominal Run Amps		A	232.0 / 232.0	159.5 / 159.5
Recommended Mains Fuse Size		A	710	560
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	597	454
Recommended Mains Fuse Size		A	750	560
Pump Full Load Amps		A	14.8	21.2
Motor Rating		kW	7.5	11
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	611	461
Recommended Mains Fuse Size		A	750	560
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	597	454
Recommended Mains Fuse Size		A	750	560
Pump Full Load Amps		A	14.8	21.2
Motor Rating		kW	7.5	11
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	611	461
Recommended Mains Fuse Size		A	750	560
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC082X22-76ML2, OFC091X22-87HS4

Mechanical Data

			37		38	
	Notes	Units	**OFC082X22-76ML2**		**OFC091X22-87HS4**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	845.4	839.6	929.8	923.1
Nom Input -Cooling Only		kW	256.1	258.7	295.9	299.2
EER	2		3.30	3.24	3.14	3.08
ESEER			4.00	3.99	3.98	3.98
Nominal Output - Free Cooling	5	kW	545.5	599.0	559.3	616.3
Ambient when Free Cooling = 100% Nominal DX	6		-3.6	-1.8	-4.9	-3.0
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 12850		2600 x 2200 x 12850	
Machine Weight	3	kg	13935	14020	14100	14185
Operating Weight		kg	15685	15930	15880	16125
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	58.1	58.1	79.2	79.2
Total Min. Water Flow		l/s	14.4	14.4	19.7	19.7
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	43.6	43.6	43.6	43.6
Maximum Airflow - EC Fans		m³/s	76.0	72.3	76.0	72.3
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			22	22	22	22
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	193 + 194	193 + 194	205 + 197	205 + 197
GWP Tonnes Equivalent CO_2			275.99 + 277.42	275.99 + 277.42	293.15 + 281.71	293.15 + 281.71
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	1744	1907	1778	1940
Minimum System Water Volume	4	l	4075	4222	4352	4497
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	41.9	41.6	46.1	45.8
Pressure Drop 20% Ethylene Glycol		kPa	79.9	68.1	130.8	105.6
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	129.9	118.1	180.8	155.6
Single Head / Run S'By - +100 kPa		kPa	179.9	168.1	230.8	205.6

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol. All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC082X22-76ML2, OFC091X22-87HS4

Electrical Data

	Notes		OFC082X22-76ML2	OFC091X22-87HS4
Unit Data			0	0
Nominal Run Amps	(1)	A	440	517
Maximum Start Amps		A	700	1076
Recommended Mains Fuse Size		A	560	630
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			22	22
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	205.5 / 179.9	245.4 / 216.3
Motor Rating		kW	122.5 / 105.0	138.8 / 122.5
Sump Heater Rating		W	300	300
Start Amps (2)		A	465.0 / 436.0	805.0 / 650.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	401	452
Maximum Start Amps		A	680	1046
Compressor Nominal Run Amps		A	186.1 / 159.5	210.9 / 186.1
Recommended Mains Fuse Size		A	560	630
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	455	545
Recommended Mains Fuse Size		A	560	670
Pump Full Load Amps		A	14.8	28.5
Motor Rating		kW	7.5	15
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	469	552
Recommended Mains Fuse Size		A	630	670
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	455	545
Recommended Mains Fuse Size		A	560	670
Pump Full Load Amps		A	14.8	28.5
Motor Rating		kW	7.5	15
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	469	552
Recommended Mains Fuse Size		A	630	670
Pump Full Load Amps		A	28.5	35
Motor Rating		kW	15	18.5

(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Technical Data

OFC093X22-87ML5, OFC105X22-99HL6

Mechanical Data

			39		40	
	Notes	Units	**OFC093X22-87ML5**		**OFC105X22-99HL6**	
			2 Row	3 Row	2 Row	3 Row
Cooling Duty - EC Fans	1	kW	964.9	957.3	1118.0	1107.8
Nom Input -Cooling Only		kW	301.5	305.0	371.3	376.3
EER	2		3.20	3.14	3.01	2.94
ESEER			3.97	3.97	3.91	3.92
Nominal Output - Free Cooling	5	kW	564.6	622.8	584.8	647.8
Ambient when Free Cooling = 100% Nominal DX	6		-5.5	-3.4	-7.9	-5.5
Capacity Steps		%	20, 30, 40, 55, 65, 80, 90, 100		20, 30, 40, 55, 65, 80, 90, 100	
Dimensions (H x W x L)		mm	2600 x 2200 x 12850		2600 x 2200 x 12850	
Machine Weight	3	kg	14465	14560	14660	14755
Operating Weight		kg	16585	16840	16760	17015
Construction Material			Base: Plain Galvanised Steel, Panels: Galvanised Sheet Steel, Epoxy Baked Powder Paint, Light Grey (RAL 7035)			
Evaporator - Type			Shell and Tube			
Insulation			Class O / UV Stable			
Total Max. Water Flow		l/s	73.3	73.3	91.9	91.9
Total Min. Water Flow		l/s	18.1	18.1	22.8	22.8
Condenser - Type			Rifled Copper Tube / Aluminium Fin			
Face Area Total		m²	43.6	43.6	43.6	43.6
Maximum Airflow - EC Fans		m³/s	76.0	72.3	76.0	72.3
Condenser Fan & Motor			Sickle Bladed Axial Fan			
Quantity			22	22	22	22
Diameter		mm	800	800	800	800
Maximum Speed - EC Fans		RPM	700	700	700	700
Compressor - Type			Semi-Hermetic Twin Screw Compressor			
Quantity			2	2	2	2
Oil Charge Volume (Total)		l	30 + 30	30 + 30	30 + 30	30 + 30
Oil Type			BSE 170 Polyol Ester Oil			
Refrigerant - Control			Electronic Expansion Valve			
Refrigerant Pre-charged			R134a			
Charge (Total) CCT1 + CCT2		kg	217 + 210	217 + 210	219 + 220	219 + 220
GWP Tonnes Equivalent CO_2			310.31 + 300.3	310.31 + 300.3	313.17 + 314.6	313.17 + 314.6
Water Connections						
Type			Grooved Terminations			
Inlet / Outlet - Unit			DN200	DN200	DN200	DN200
Water Drain / Bleed - Evap		inch	0.5	0.5	0.5	0.5
Water System - Volume		l	2114	2276	2099	2261
Minimum System Water Volume	4	l	4769	4912	5179	5315
Max System Operating Pressure		Bar	10	10	10	10
Flow Rate 20% Ethylene Glycol		l/s	48.0	47.6	55.7	55.2
Pressure Drop 20% Ethylene Glycol		kPa	84.7	69.7	82.5	64.1
Water Pump - AC / Inverter Driven Motor			In Line Pump AC / Inverter Driven			
Single Head / Run S'By - +50 kPa		kPa	134.7	119.7	132.5	114.1
Single Head / Run S'By - +100 kPa		kPa	184.7	169.7	182.5	164.1

(1) Based on units performance at 15/10°C return/supply temperatures, 35°C ambient, 20% Ethylene Glycol.
All performance data is supplied in accordance with BS EN 14511-1:2013
(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 water volume calculation, refer to Design Features & Information - Minimum System Water Volume Calculations.
(5) Nominal Free Cooling Output at 15/10°C return/supply temperatures, 3°C ambient, 20% Ethylene Glycol.
(6) Ambient temperature that Maximum Nominal DX Duty can be achieved using Free Cooling only.
(7) ESEER based upon unit operating at 12 / 7 °C return / supply temperature, 35°C ambient,

Technical Data

OFC093X22-87ML5, OFC105X22-99HL6

Electrical Data

	Notes		OFC093X22-87ML5	OFC105X22-99HL6
Unit Data			0	0
Nominal Run Amps	(1)	A	502	587
Maximum Start Amps		A	847	1126
Recommended Mains Fuse Size		A	630	710
Mains Supply		VAC	400 V 3 PH 50 Hz	400 V 3 PH 50 Hz
Max Mains Incoming Cable Size		mm²	Direct to Bus Bar	Direct to Bus Bar
Recommended Permanent Fuse Size		A	16	16
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Control Circuit		VAC	24V/230VAC	24V/230VAC
Evaporator				
Trace Heater Rating		W	250	250
External Trace Heating				
Available (fitted by others)		W	500	500
Condenser Fan - Per Fan (EC)				
Quantity			22	22
Full Load Amps		A	3.9	3.9
Locked Rotor Amps		A	N/A	N/A
Motor Rating		kW	2.56	2.56
Compressor - Per Compressor				
Quantity			1 + 1	1 + 1
Nominal Run Amps		A	241.3 / 205.5	266.2 / 266.2
Motor Rating		kW	139.5 / 122.5	152.7 / 152.7
Sump Heater Rating		W	300	300
Start Amps (2)		A	586.0 / 465.0	805.0 / 805.0
Type Of Start			Star - Delta	Star - Delta
OPTIONAL EXTRAS				
Low Ambient Kit				
Recommended Permanent Fuse Size		A	32	32
Permanent Supply		VAC	230 V 1 PH 50 Hz	230 V 1 PH 50 Hz
Max Permanent Incoming Cable Size		mm²	4 mm² terminals	4 mm² terminals
Power Factor Correction				
Unit Nominal Run Amps	(1)	A	453	519
Maximum Start Amps		A	827	1092
Compressor Nominal Run Amps		A	211.9 / 186.1	232.0 / 232.0
Recommended Mains Fuse Size		A	630	710
Closed Transition				
See Page?? For Details.				
Standard Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	523	609
Recommended Mains Fuse Size		A	630	750
Pump Full Load Amps		A	21.2	21.2
Motor Rating		kW	11	11
Larger Head Pump (Single or Run/Standby)				
Unit Nominal Run Amps		A	530	616
Recommended Mains Fuse Size		A	670	750
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15
Standard Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	523	609
Recommended Mains Fuse Size		A	630	750
Pump Full Load Amps		A	21.2	21.2
Motor Rating		kW	11	11
Larger Head Inverter Pump (Single or Run/ Standby)				
Unit Nominal Run Amps		A	530	616
Recommended Mains Fuse Size		A	670	750
Pump Full Load Amps		A	28.5	28.5
Motor Rating		kW	15	15

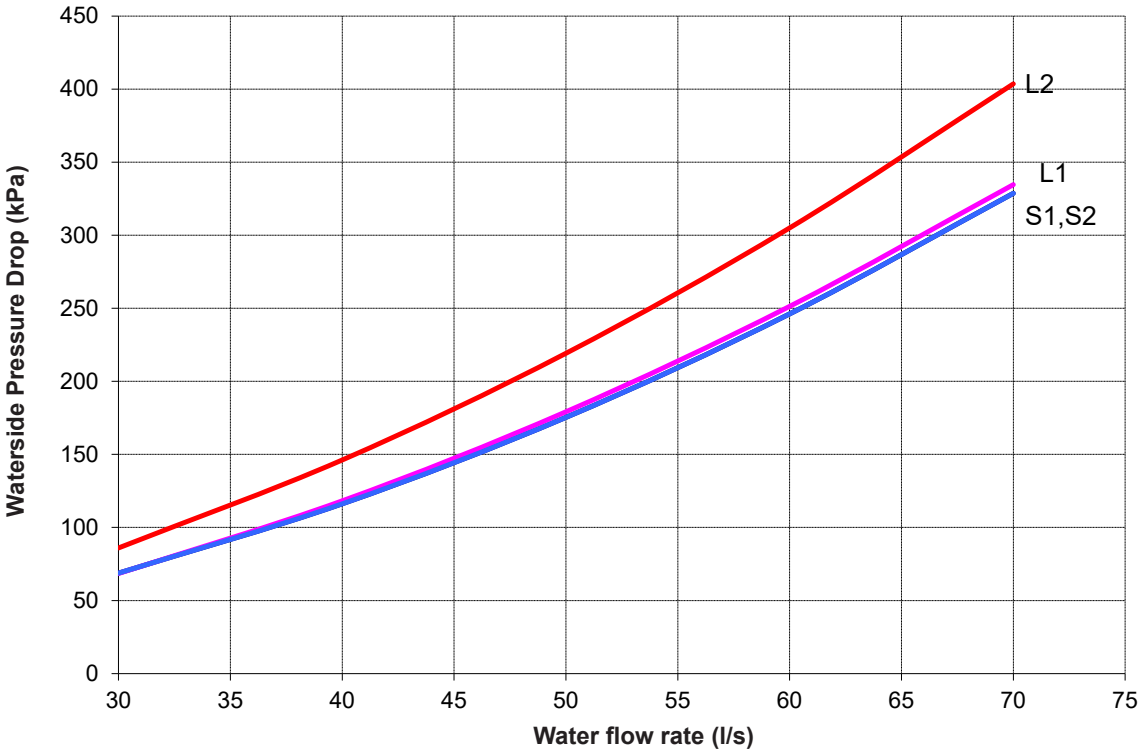
(1) Based at 5.0°C Evaporating, 50°C Condensing, AC Standard Fans.
(2) Starting amps refers to the Star (.) connection only.

Performance Data

Waterside Pressure Drop (Unit) (kPa) 2 Row Coil

16 Fan

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

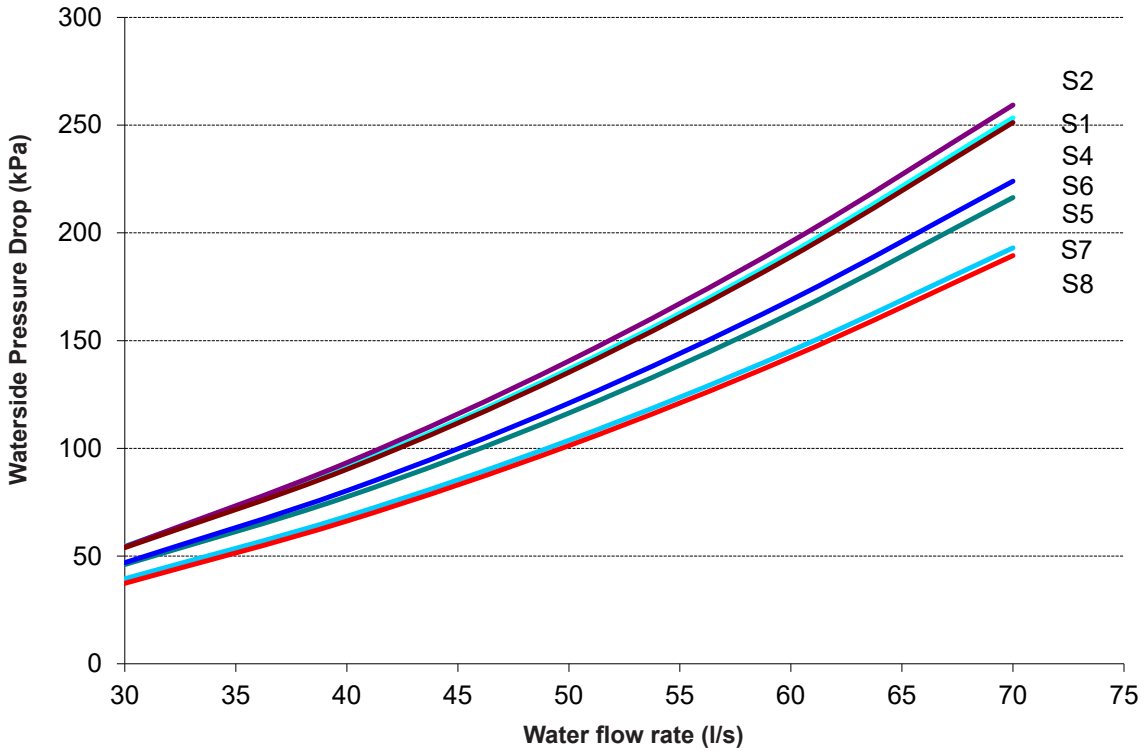


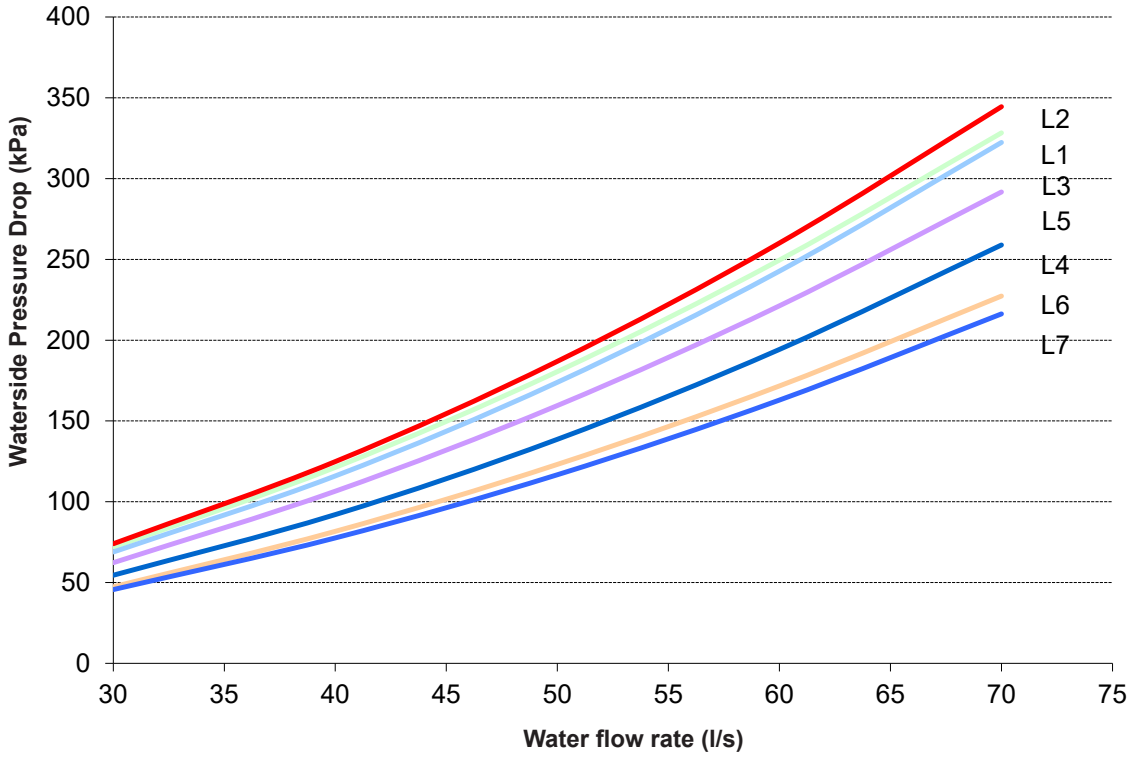
Performance Data

Waterside Pressure Drop (Unit) (kPa) 2 Row Coil

18 Fan

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



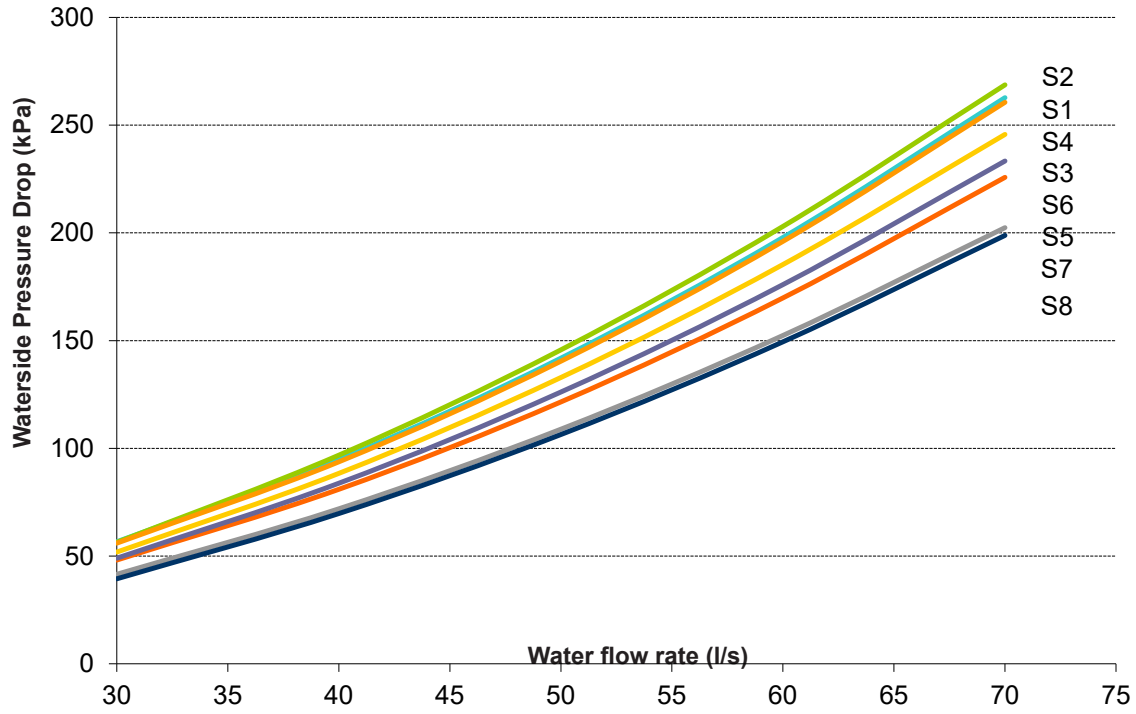


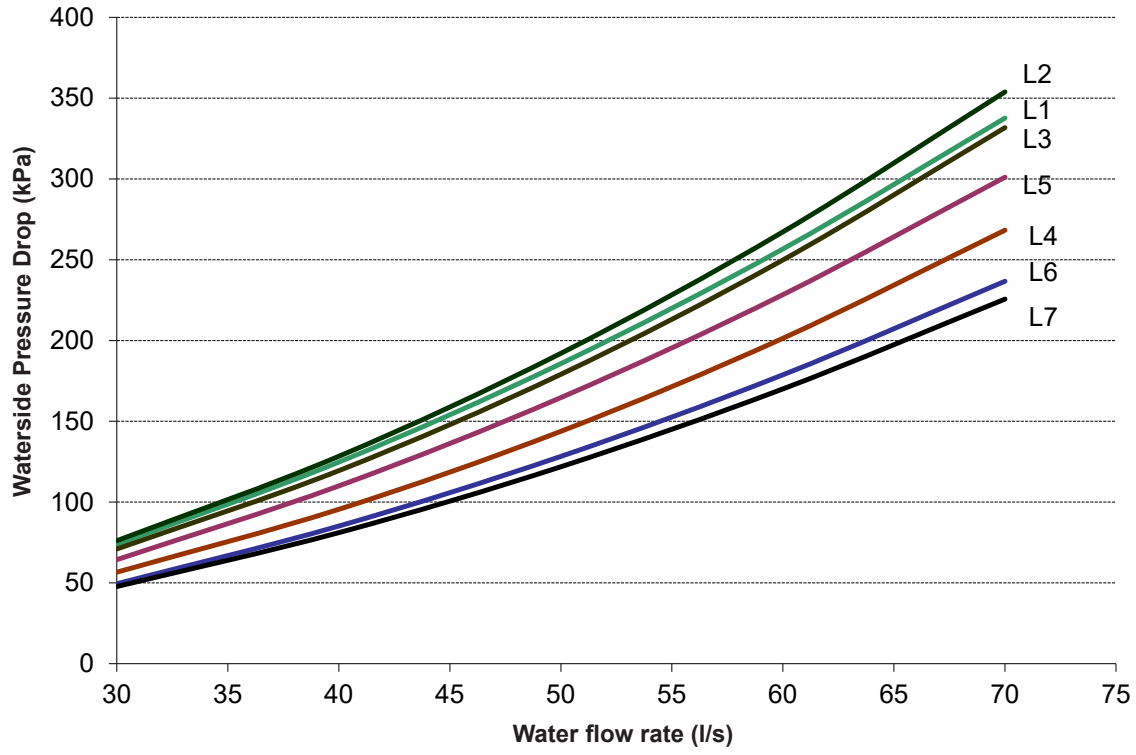
Performance Data

Waterside Pressure Drop (Unit) (kPa) 2 Row Coil

20 Fan

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





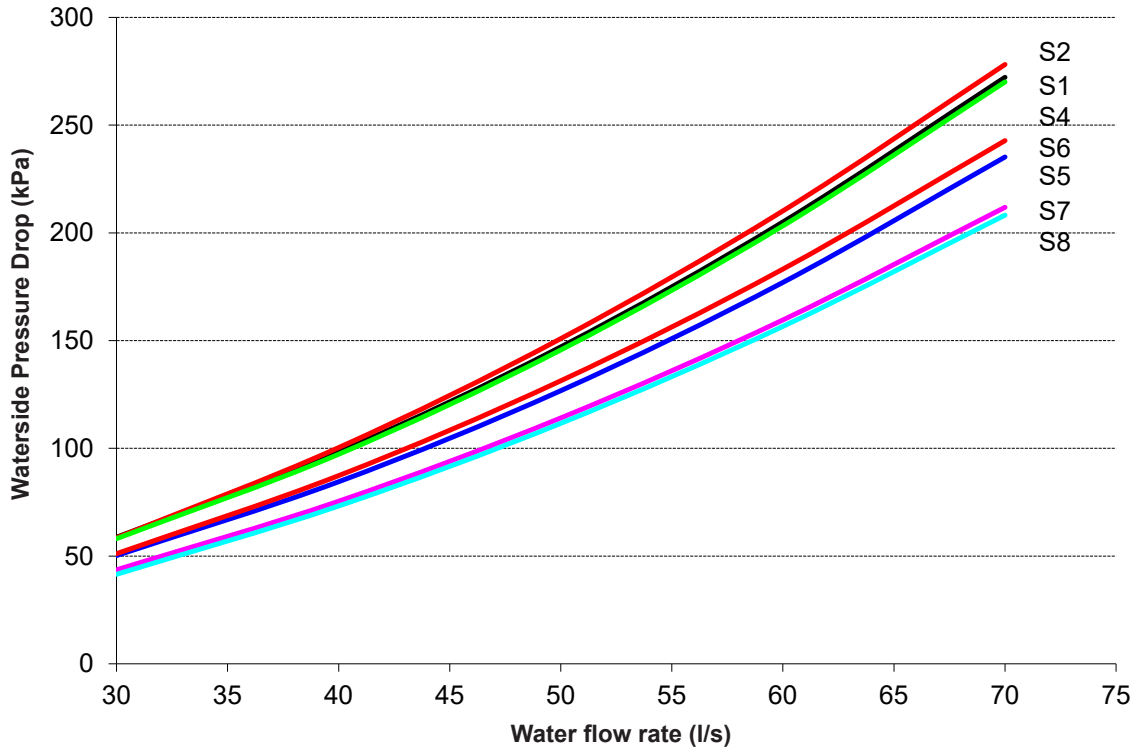
(1) Chiller pressure drop refers to standard unit only. For optional extras and pipework, please contact Airedale.
(2) For glycol solutions, please refer to Glycol Data.
(3) Curves depict evaporator type

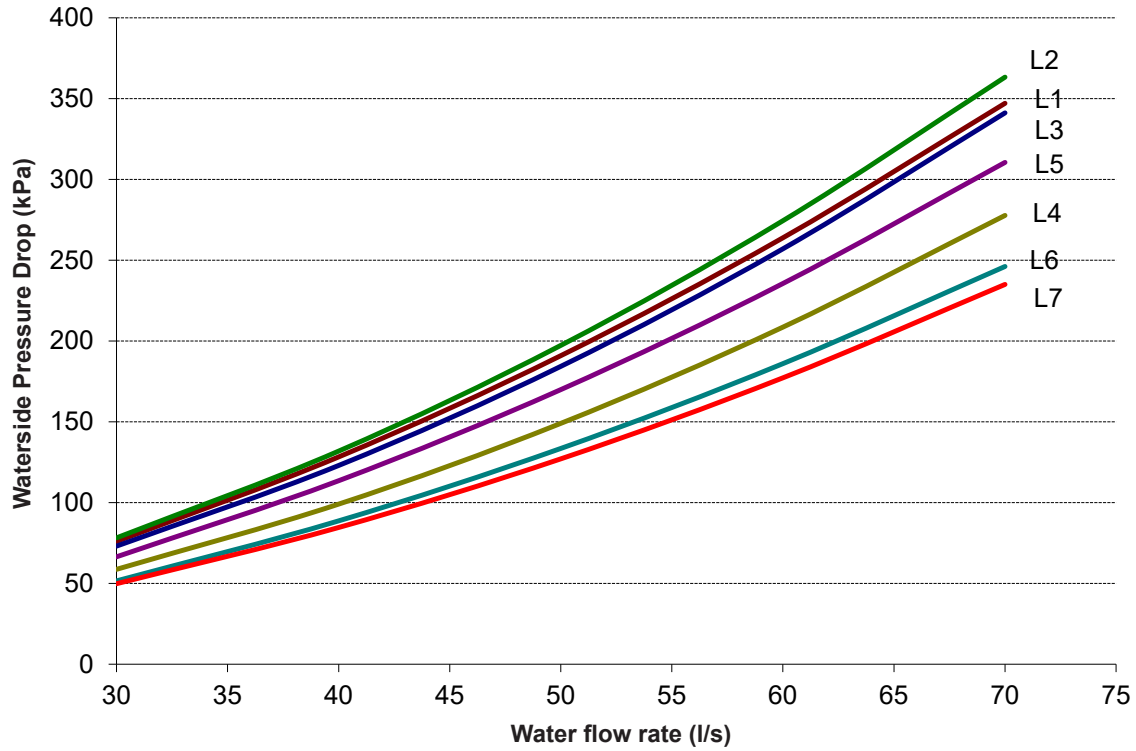
Performance Data

Waterside Pressure Drop (Unit) (kPa) 2 Row Coil

22 Fan

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





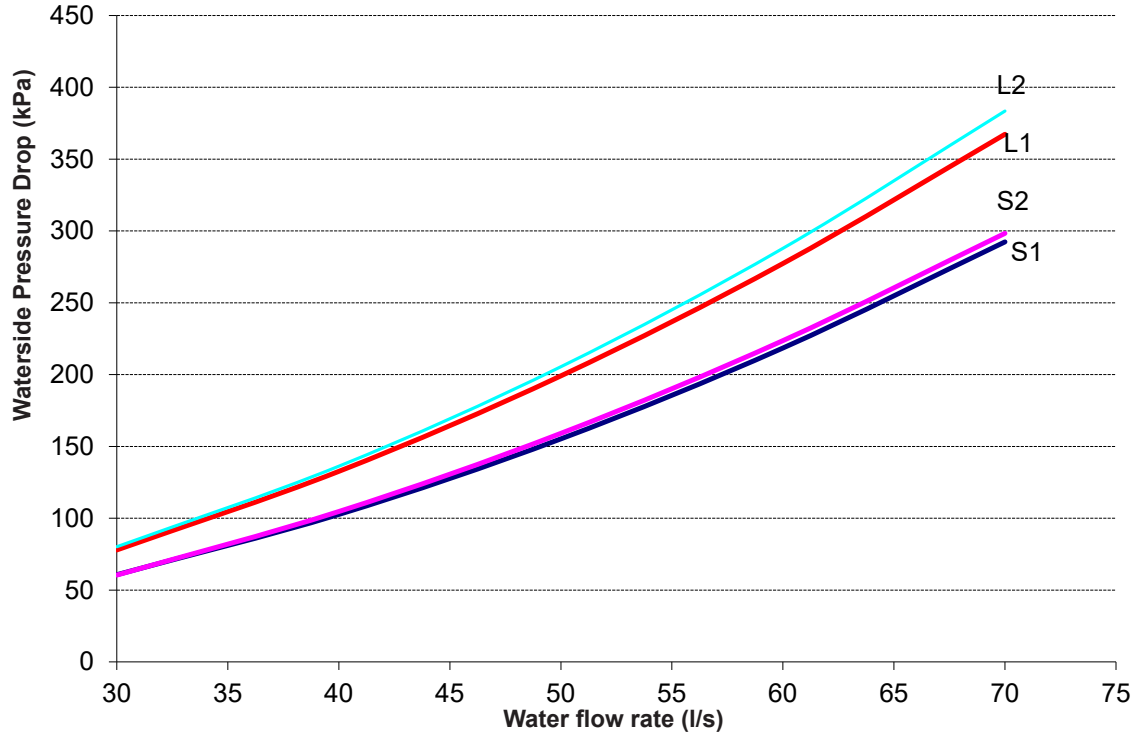
(1) Chiller pressure drop refers to standard unit only. For optional extras and pipework, please contact Airedale.
(2) For glycol solutions, please refer to Glycol Data.
(3) Curves depict evaporator type

Performance Data

Waterside Pressure Drop (Unit) (kPa) 3 Row Coil

16 Fan

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



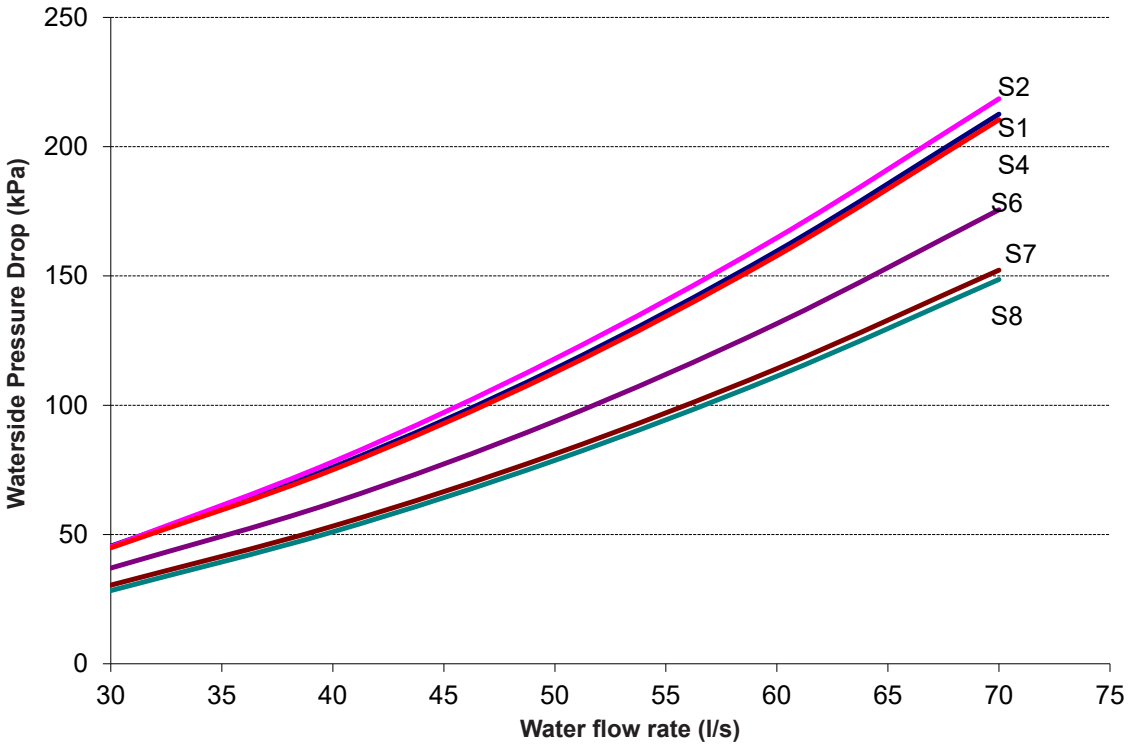
(1) Chiller pressure drop refers to standard unit only. For optional extras and pipework, please contact Airedale.
(2) For glycol solutions, please refer to Glycol Data.
(3) Curves depict evaporator type

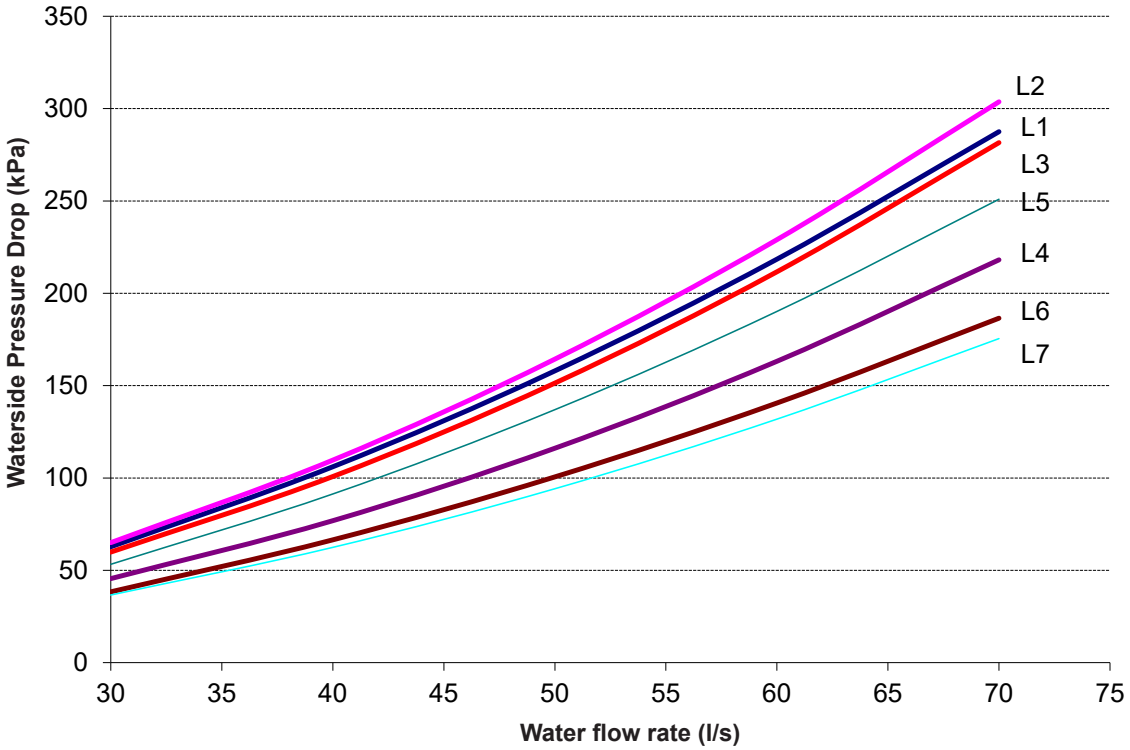
Performance Data

Waterside Pressure Drop (Unit) (kPa) 3 Row Coil

18 Fan

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





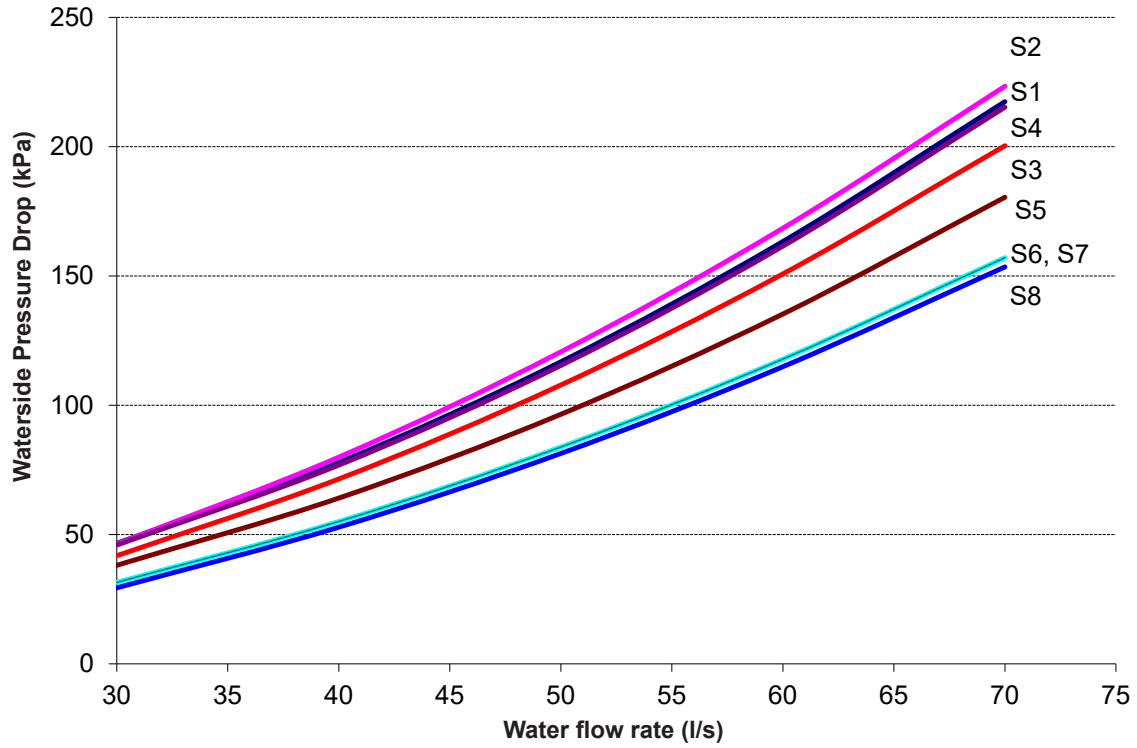
(1) Chiller pressure drop refers to standard unit only. For optional extras and pipework, please contact Airedale.
(2) For glycol solutions, please refer to Glycol Data.
(3) Curves depict evaporator type

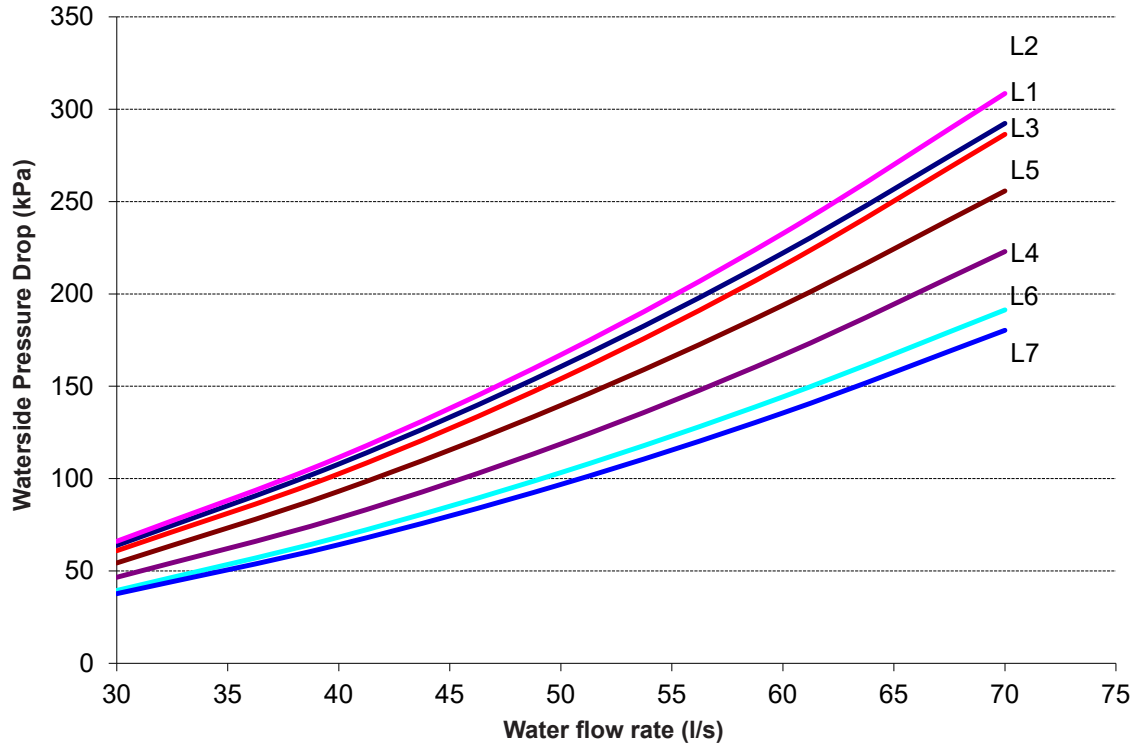
Performance Data

Waterside Pressure Drop (Unit) (kPa) 3 Row Coil

20 Fan

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





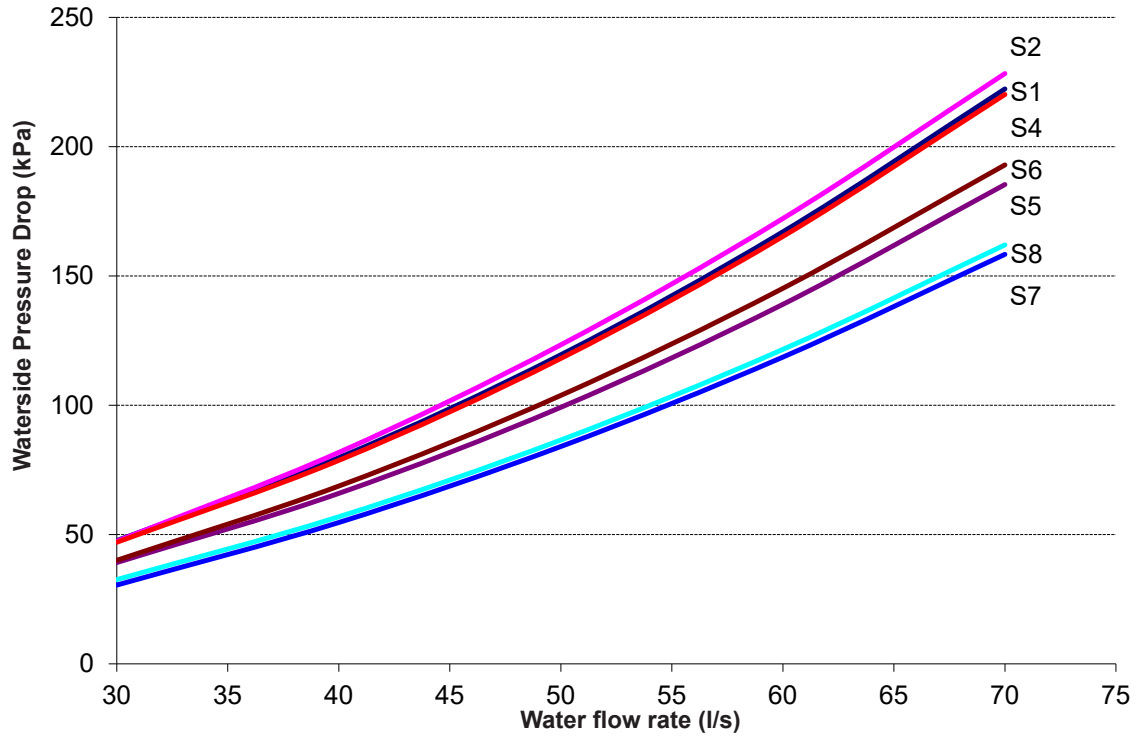
(1) Chiller pressure drop refers to standard unit only. For optional extras and pipework, please contact Airedale.
(2) For glycol solutions, please refer to Glycol Data.
(3) Curves depict evaporator type

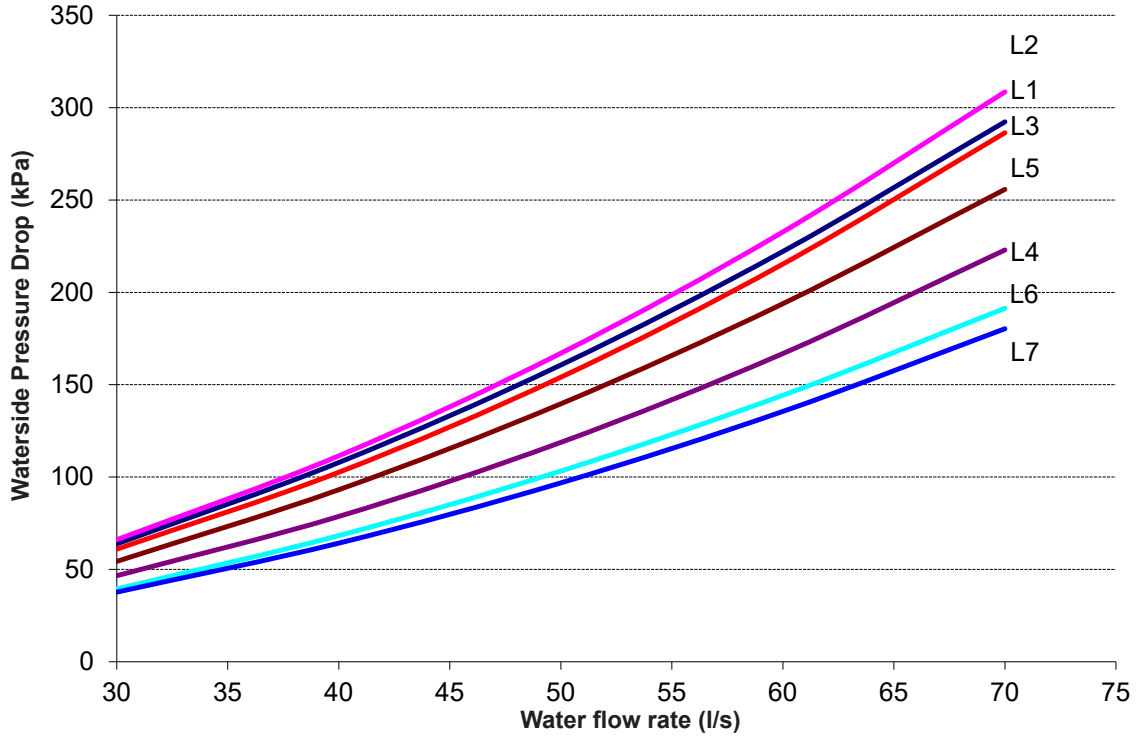
Performance Data

Waterside Pressure Drop (Unit) (kPa) 3 Row Coil

22 Fan

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

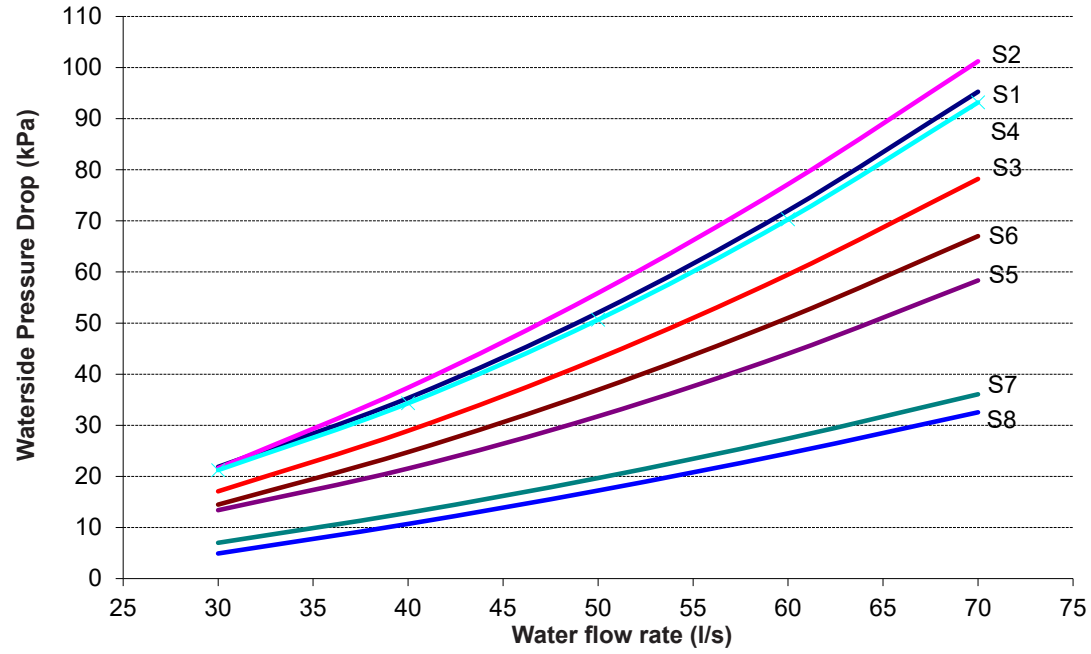


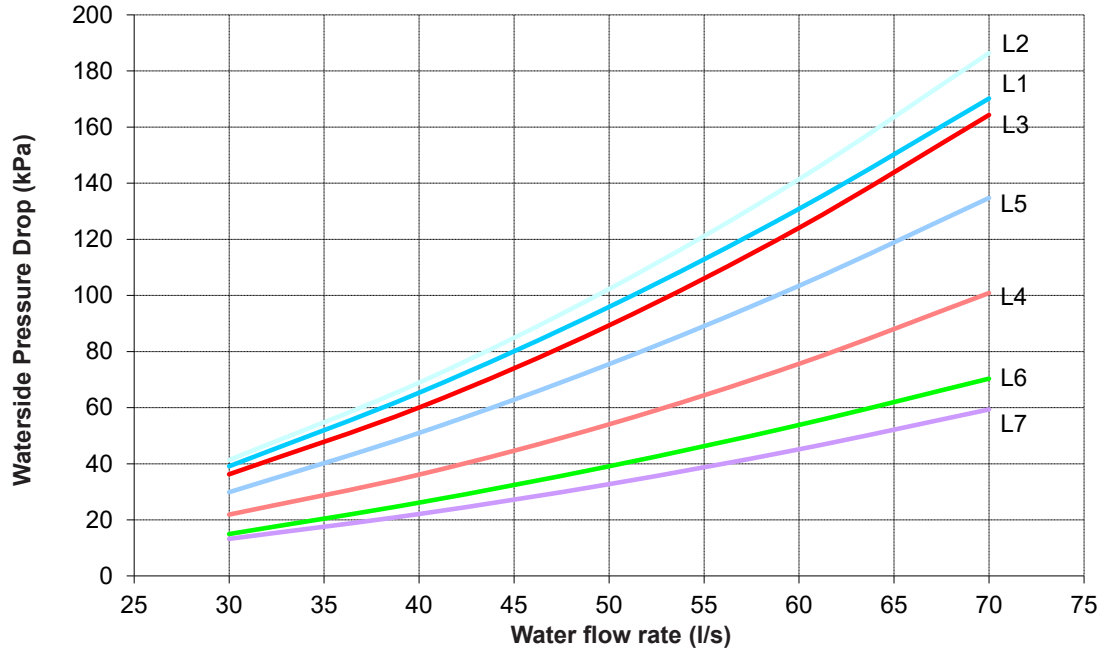


(1) Chiller pressure drop refers to standard unit only. For optional extras and pipework, please contact Airedale.
(2) For glycol solutions, please refer to Glycol Data.
(3) Curves depict evaporator type

Performance Data

Evaporator Pressure Drops

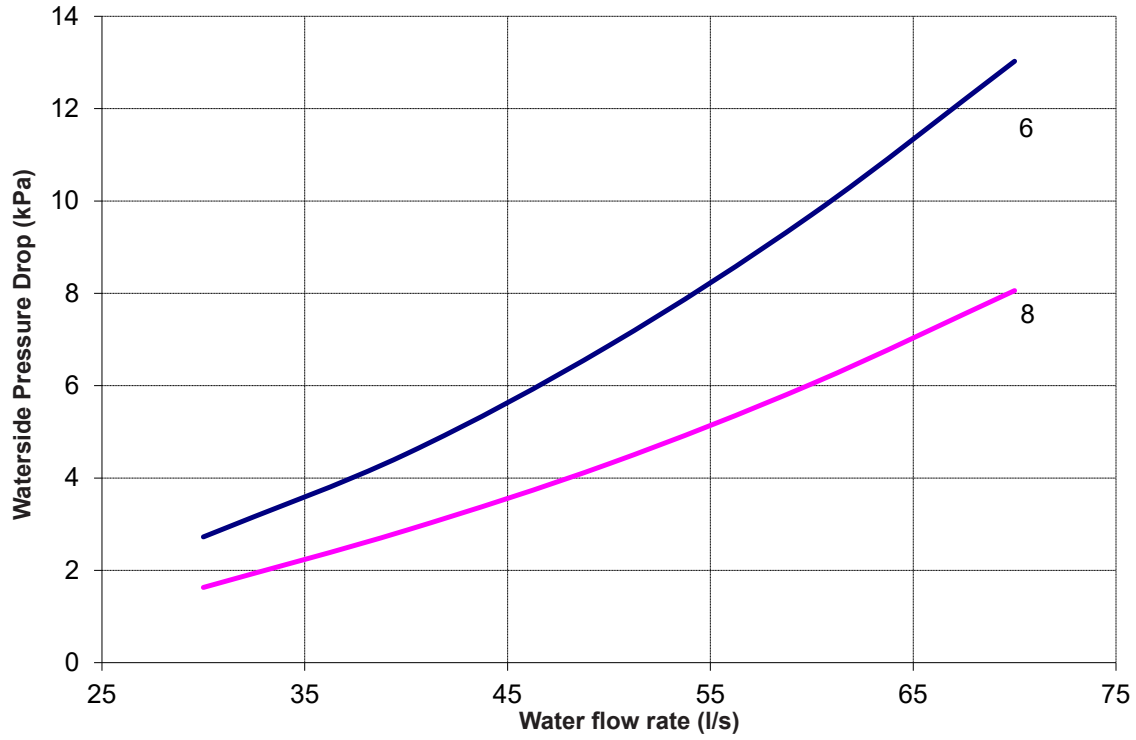




(1) Chiller pressure drop refers to standard unit only. For optional extras and pipework, please contact Airedale.
(2) For glycol solutions, please refer to Glycol Data.
(3) Curves depict evaporator type

Performance Data

Water Strainer Pressure Drops



The above curves relate to the strainer size (inches). Data based upon the strainer being clean.

Performance Data

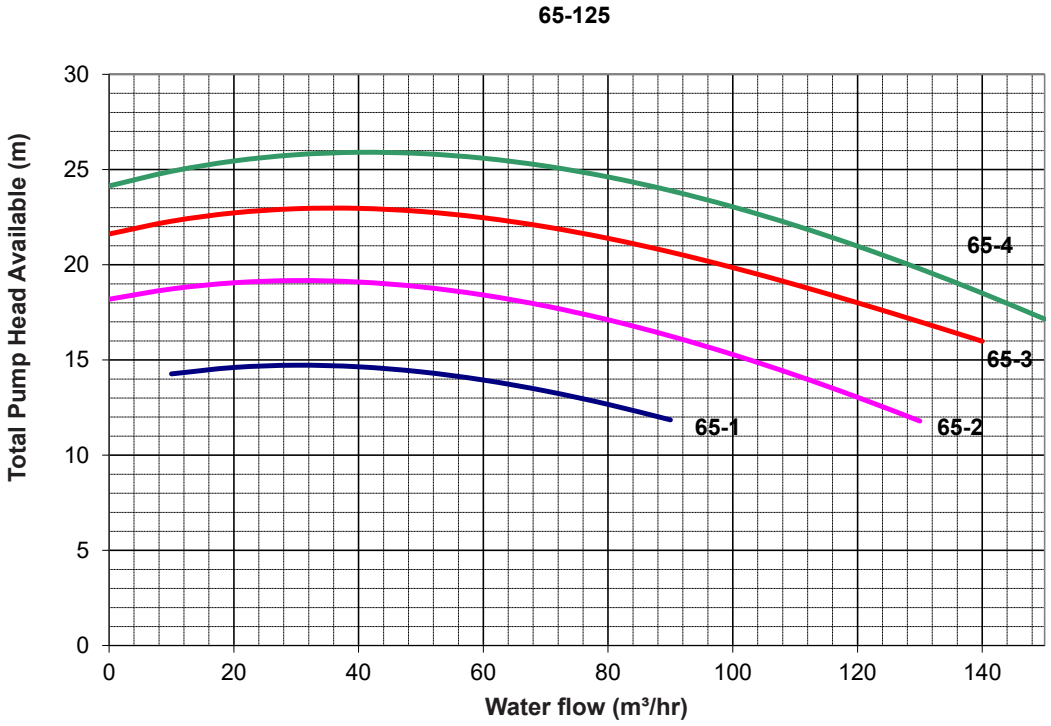
Pump Packages (Optional Extras)

CAUTION
Full design water flow MUST be maintained at all times. Variable water volume is NOT recommended and will invalidate warranty.
Use the formula below and the graphs provided to calculate the External Head Available:
Example

Model Ref.	= OFC084R20-76HL2
Ambient:	= 35°C
Fluid	= 100% Water
Inlet Fluid Temp.	= 15°C
Outlet Fluid Temp.	= 10°C (5K ΔT)
Pump Selection	= Single Standard Head - Standard ac Motor - Fixed Speed Option
Fluid Flow l/s	= 42.3 l/s

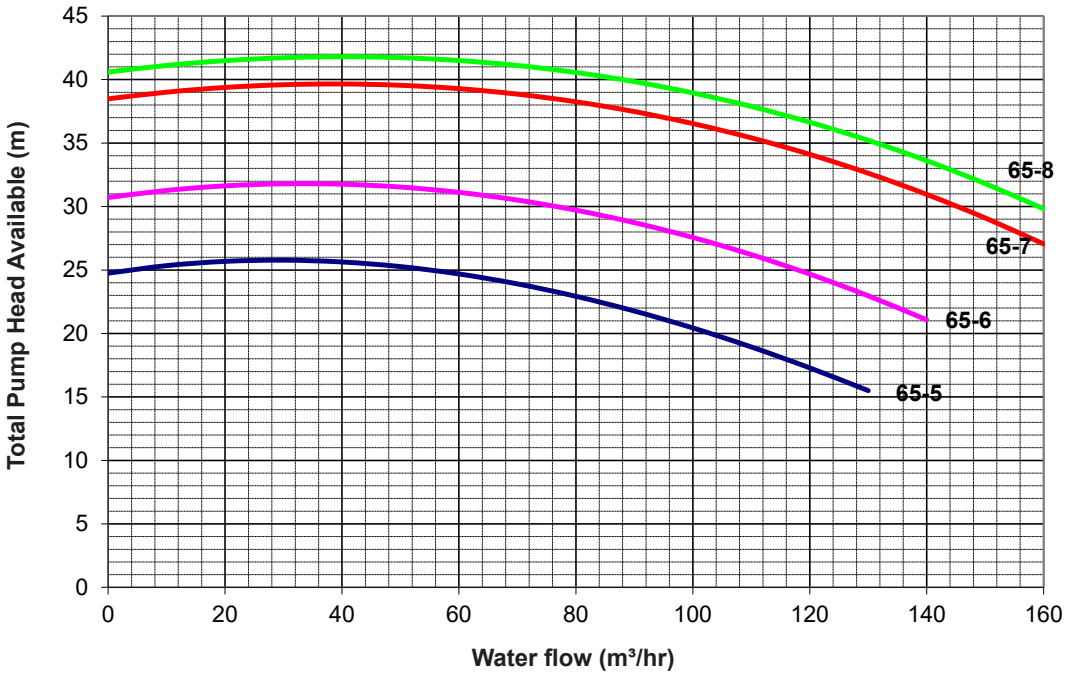
EHA (kPa)	= External Head Available
EHA (kPa)	= Total Pump Head Available - Unit Waterside Pressure Drop
EHA (kPa)	= 123 - 33
EHA (kPa)	= 90 kPa

Pump packages (optional extras) AC Motor - Fixed Speed Option

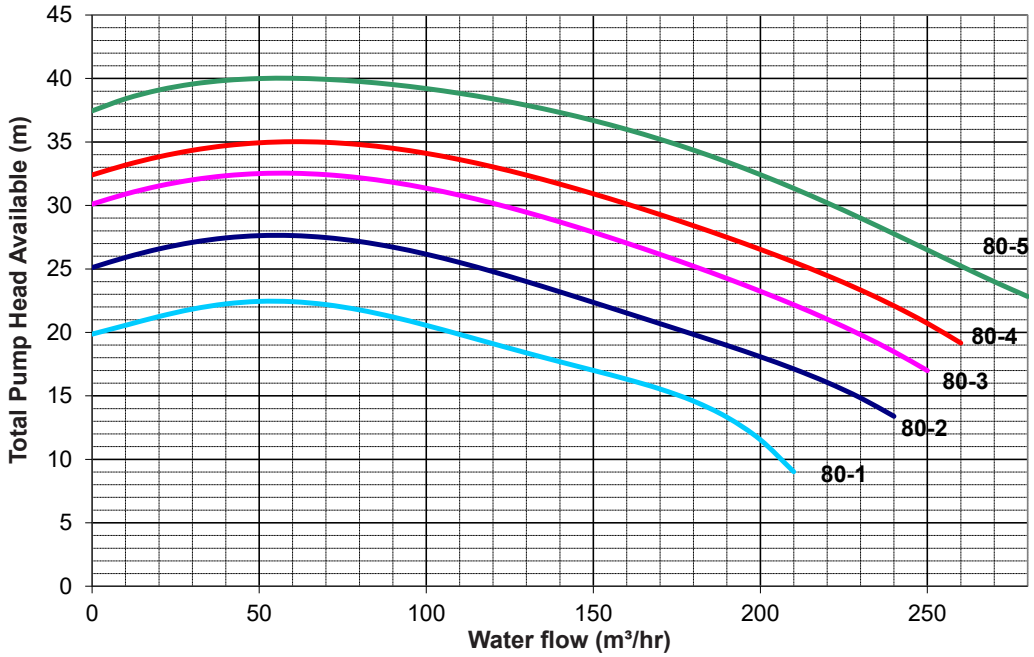


Pump packages (optional extras) AC Motor - Fixed Speed Option

65-160



80-160



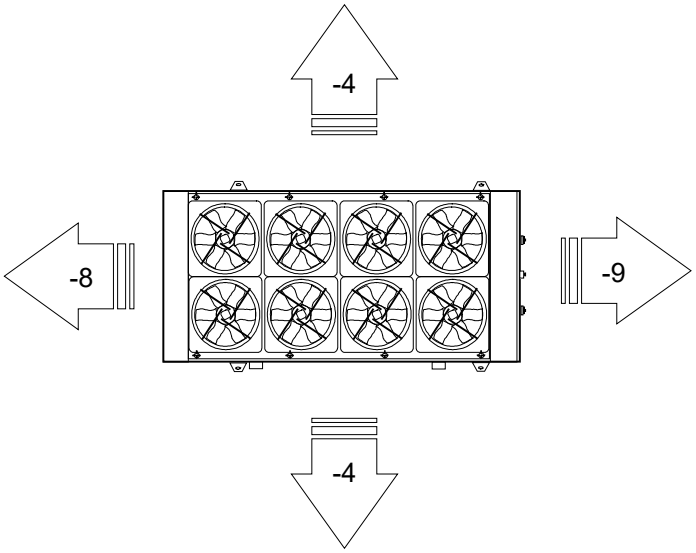
Measurement of sound data

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 ISO9614 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 ISO9614 Part 1: 2009.
Sound Pressure Levels are calculated from sound power using the expanded parallelepiped method according to BS EN ISO11203: 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)

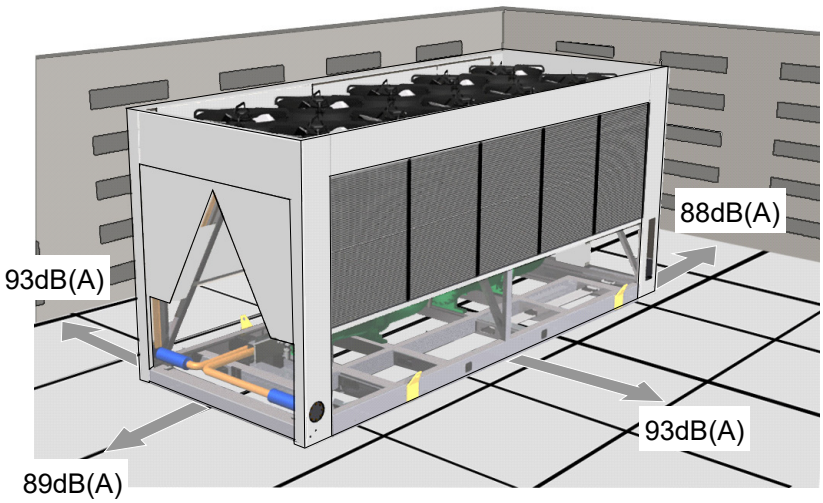
Sound Directivity

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 emanated from the unit in all directions in the horizontal plane from source.
Using the adjustment factors from the map below, specific directional sound power levels can be derived from the global sound power data.

Base Correction Values - Global dB



EXAMPLE:
OFC091X22-87ML5
Overall Sound Power
= 97 dB(A) ie:



Installation Data

Unit Lifting

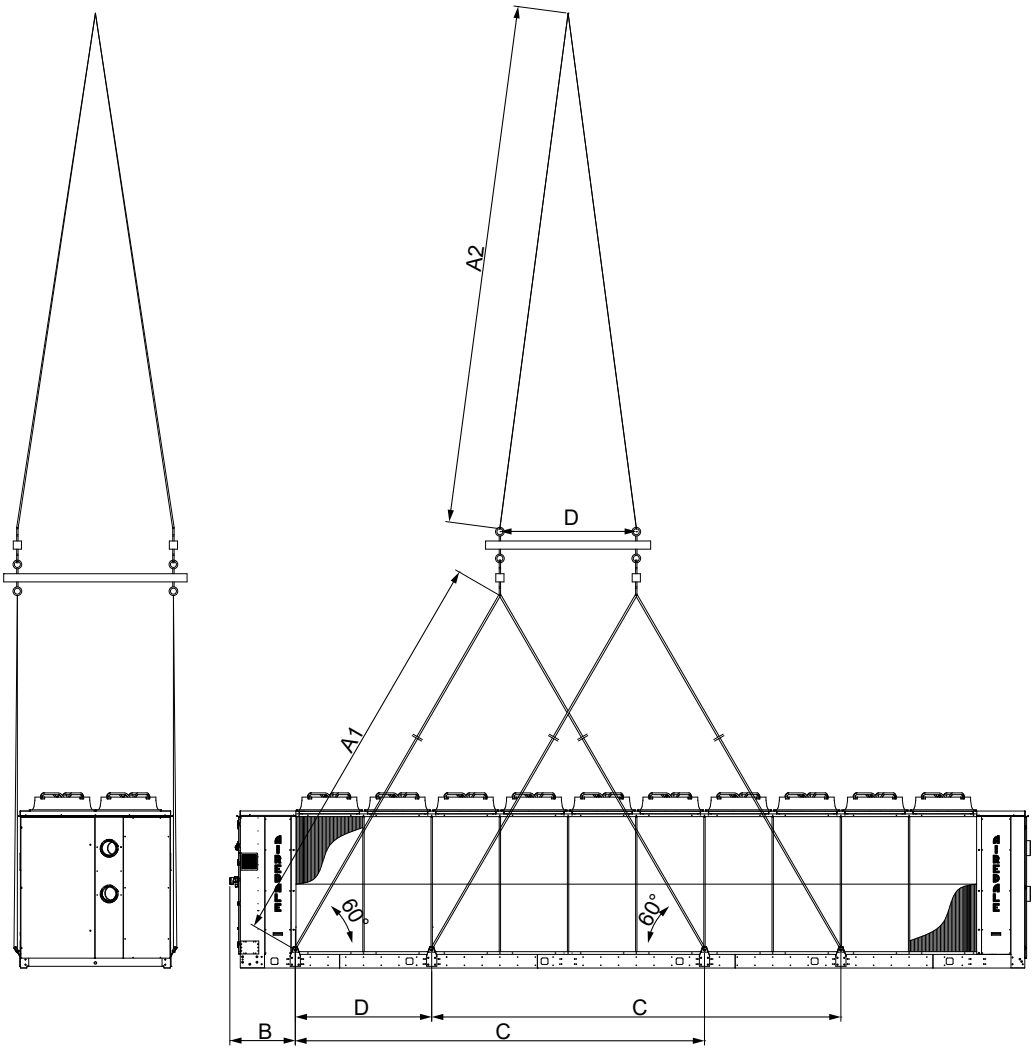
- Employ lifting specialists.
- Local codes and regulations relating to the lifting of this type of equipment should be observed.
- Use the appropriate spreader bars/lifting slings (provided by others) with the holes/lugs provided.
- Attach individual lifting chains to each of the lifting eye bolts/lifting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

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

- Lifting hole/lug dimension: 40mm.
- Chains/slings MUST NOT interfere with the casing or fan assembly to avoid damage.
- Lift the unit slowly and evenly.

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

Lifting Dimensions

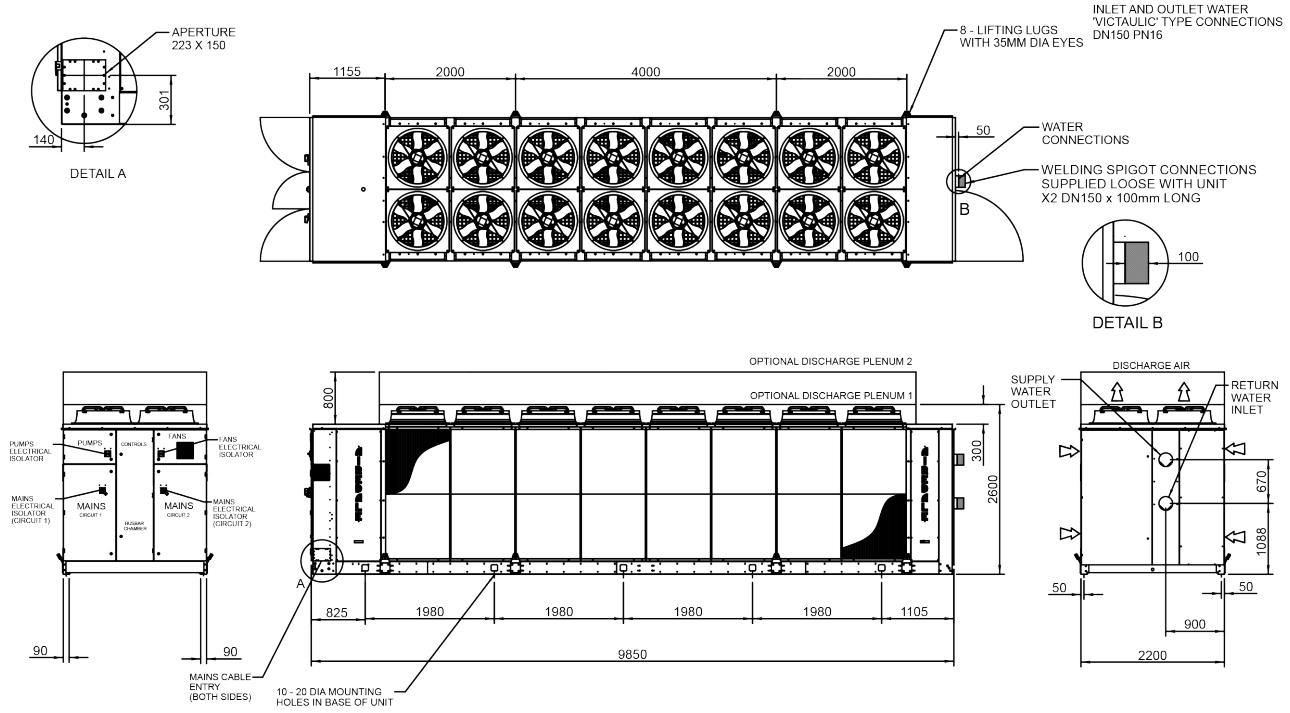


		A1(min)	A2(min)	B	C	D
16 FAN	mm	5000	5000	520	5000	2000
18 FAN	mm	5000	6000	520	5650	2000
20 FAN	mm	5000	7000	520	6650	2000
22 FAN	mm	5000	7000	520	6650	4000

For models with optional pumps fitted, a separate instruction will be provided

Installation Data

Dimensions



		Dimensions (mm)										
Case Size	A	B	C	D	E	F	G	H	I	J	K	L
16 Fan	825	1980	1980	1980	1980	N/A	1105	9850	1155	2000	4000	2000
18 Fan	825	1980	1980	1980	1980	980	1125	10850	1155	2000	4000	2000
20 Fan	825	1980	1980	1980	1980	1980	1125	11850	1155	2000	4000	2000
22 Fan	825	1980	1980	1980	2680	2280	1125	12850	1155	4000	2000	4000

Installation Data

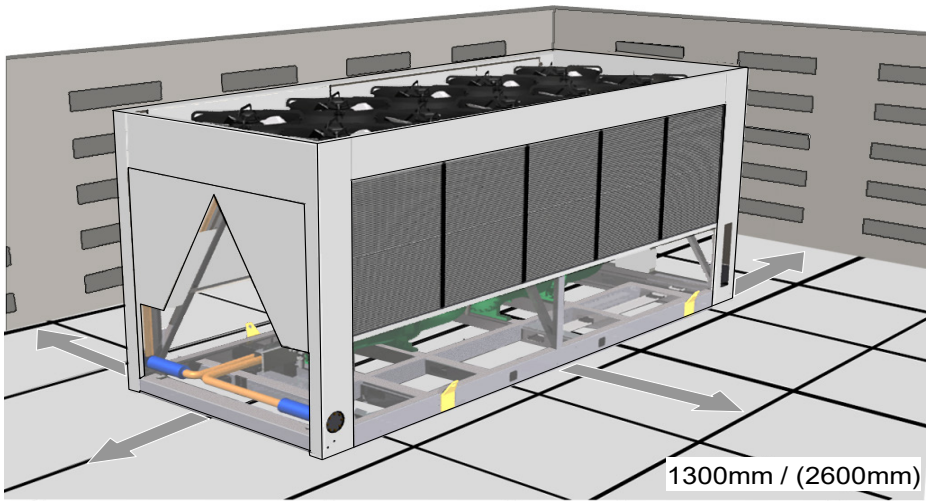
Positioning

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 antivibration mounts and flexible water connections.
- Observe airflow and maintenance clearances.
- 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.
- Ensure there are no obstructions directly above the fans.
- Allow free space above the fans to prevent air recirculation.
- 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.

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

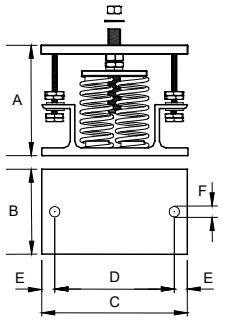
Airflow & Maintenance Clearances



Application	Distance from Overall Base Dimension
Single unit	1300mm
Side-enclosed or multiple units	2600mm

Installation Data

Anti Vibration Mounting (Optional)



Spring Type

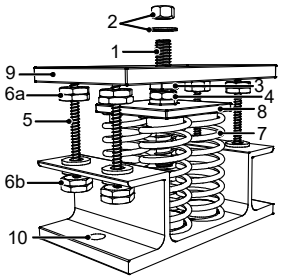
Each mount is coloured to indicate the different loads, refer to instructions supplied for correct allocation.

Dimensions

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

(1) Unloaded dimension

Components



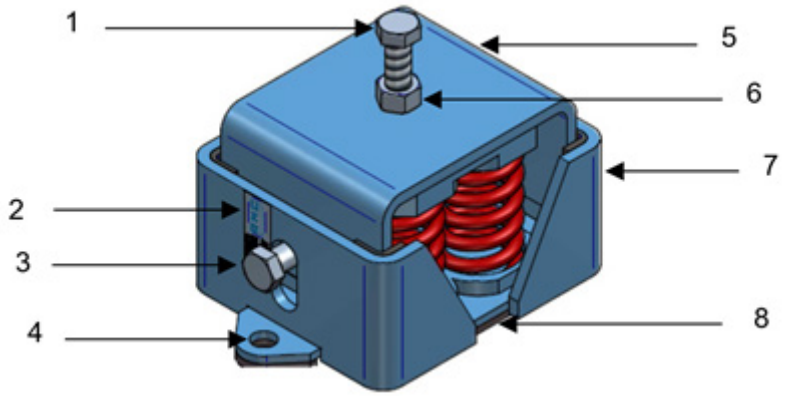
1	Locating screw.	6b	Lower retaining nuts.
2	Retaining nut & washer.	7	Spring assembly.
3	Levelling screw.	8	Pressure plate.
4	Levelling lock nut.	9	Top plate.
5	Retaining studs.	10	Fixing holes.
6a	Upper retaining nuts.		

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.

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 mounts are of the same height, however the spacing between mounting holes does vary as below.

	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.

Water system

Chilled water pipework 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 ambients of 0°C and below, where static water can be expected, or when water supply temperatures of +5°C or below is required, the necessary concentration of Glycol or use of an electrical trace heater must be included.
- The schematic is referred to as a guide to ancillary recommendations.

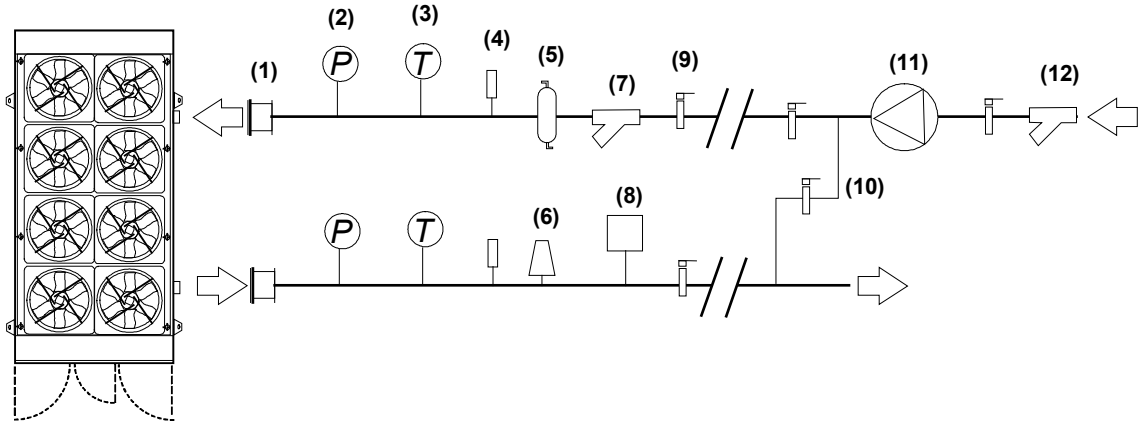
CAUTION ⚠	The unit water connections are NOT designed to support external pipework, pipework MUST be supported separately.

Standard recommended installation (Parts Supplied by Others)

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.



(1)	Flexible connections	(7)	Strainer (optional extra)
(2)	Pressure gauges	(8)	Flow switch
(3)	Temperature gauges	(9)	Shut off valves
(4)	Binder points	(10)	Bypass circuit (for flushing)
(5)	De-aerator (optional extra)	(11)	Pump
(6)	Auto air vent (at highest point)	(12)	Pump strainer

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

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

CAUTION ⚠	Following components are fitted within the chiller unit as standard: ● Temperature Sensors ● Drain Point ● Auto Air Vent

Grooved & Clamped Type Connection

1 Place Grooved Ends Together

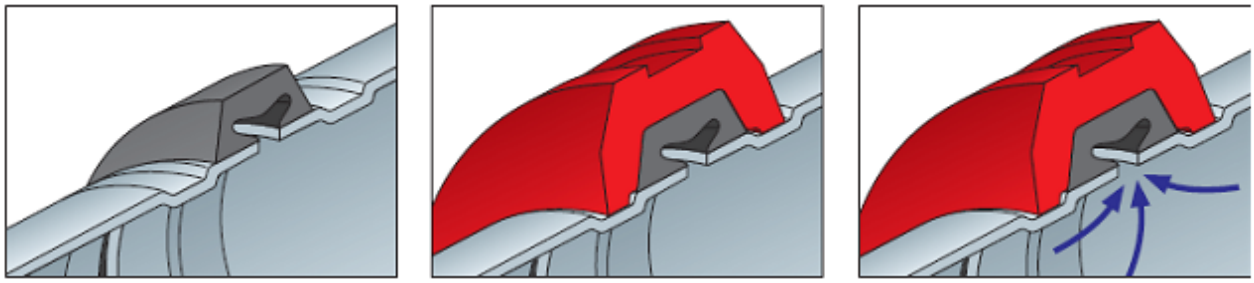
- Note that an expansion gap of 5mm is shown here

2 Locate Rubber Gasket

- The gasket should be checked for compatability and damage prior to installation.
- A thin coat of sealing lubricant should be applied to both the inside and outside mating surfaces.
- Slip the gasket fully onto one of the pipe ends, align the second pipe and slide the gasket into place.

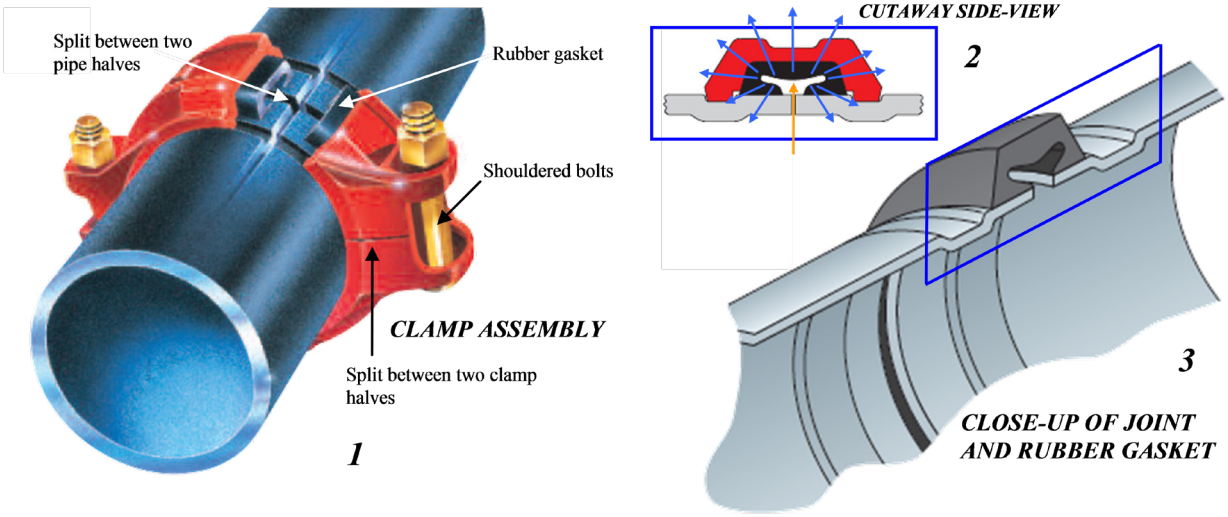
3 Place Clamp over Gasket

- Wrap the 2-halves of the clamp over the gasket.
- Ensure the gasket fits snugly within the grooved recess inside the clamp and that the clamp seats correctly.



4 Secure Clamp

- Tighten the bolts incrementally and evenly at both sides until a leak free seal is formed.
- The gasket should not be visible beneath the clamp when the bolts are properly tightened



Installation Data

Water System

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 unit 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.
- 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 pipework 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 liquid 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 flow proving device for safety reasons.
Failure to install safety devices will invalidate the chiller warranty.
Do not rely solely on the BMS to protect the chiller against low flow conditions.

CAUTION ⚠	An evaporator pump interlock and flow proving device MUST be directly wired to the chiller.

General

As standard the equipment is designed for 400V, 3 phase, 3 wire 50Hz direct to
busbar and a separate permanent 230V, 1 phase, 50Hz supply, to all relevant IEE regulations, British standards and IEC requirements
The control voltage to the interlocks is 24V, always size the low voltage interlock and rotection cabling for a maximum voltage drop of 2V.
Avoid large voltage drops on cable runs, particularly low voltage wiring The equipment contains live electrical and moving parts, ISOLATE prior to maintenance or repair work.
A fused and isolated electrical supply of the appropriate phase, frequency and voltage should be installed.
The unit isolators DO NOT isolate the incoming mains supply through busbars, but isolate the individual electrical panels. Isolate REMOTELY the mains incoming supply to the BUSBAR chamber prior to maintenance or repair work.
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.

CAUTION ⚠	ALL work MUST be carried out by technically trained competent personnel. The Emergency Stop MUST NOT be used to stop the chiller other than in the event of an emergency.

Wires should be capable of carrying the maximum load current under non-fault conditions at the stipulated voltage.
To reduce down time, if possible support the above supply with a UPS. Ensure correct phase rotation.

Storage Recommendations

Airedale recommends that equipment should be stored in an ambient protected warehouse facility.

- The unit should be stored within a heated warehouse ensuring that the temperature does not fall below 0¢XC.
- All water should be drained from the unit
- Refrigerant line shut off valves are closed.
- All electronic expansion valves should be driven closed.

Pre Start following storage

Before turning the unit on after extended periods of storage the following procedures and checks must be carried out over and above any commissioning checks.

All low temperature protection devices must be turned on for a minimum of 8 hours.

Procedures

These include

- Compressor crankcase heaters.
- Panel heaters.
- Electric trace heating.

Checks

Waterside

- Check that the 3 way valve operates correctly.
- Check that flow switches operate correctly.
- Check that differential pressure sensor operates.

Electrical

- Condenser fans operate satisfactory (Minimum speed to maximum speed).
- Electrical seals and glands are satisfactory and have not cracked
- All electrical terminal boxes are free from moisture.
- All cable insulation is satisfactory and does not have any signs of damage.

Refrigeration

- Ensure all Manual ball valves are open
- Carry out an F-gas inspection ensuring no refrigerant leaks.

The unit should be regularly visually inspected during storage to ensure that no condensation has formed on or within the unit.

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 - R134a.
- 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.
- Degradation Coefficient - 0.9

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.

SSCEE (Seasonal Space Cooling Energy Efficiency)

- Capacity Control - Variable.
- Standard Rating Condition - Low Temperature Operation.

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

OFC076R16-66MS1, OFC076R16-66HS1

Ecodesign

	Notes:	Units	OFC076R16-66MS1		OFC076R16-66HS1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.30	6.35	6.02	6.09
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	839969.2	829564.1	874036.1	859498.4
Rated Refrigerant Capacity P_A	1,3,5	kW	709.8	707.4	705.7	703.3
Rated Power Input D_A		kW	243.7	246.1	242.5	244.9
Rated $EER_{DC,A}$			2.91	2.87	2.91	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	662.3	660.0	658.4	656.2
Declared Power Input D_B		kW	170.1	171.6	177.6	179.0
Declared $EER_{DC,B}$			3.89	3.85	3.71	3.66
Declared Refrigerant Capacity P_C	1,3,5	kW	614.7	612.6	611.1	609.1
Declared Power Input D_C		kW	124.4	125.2	129.8	130.7
Declared $EER_{DC,C}$			4.94	4.89	4.71	4.66
Declared Refrigerant Capacity P_D	1,3,5	kW	567.1	565.2	563.8	561.9
Declared Power Input D_D		kW	55.4	52.9	57.5	54.2
Declared $EER_{DC,D}$			10.23	10.69	9.80	10.36
SSCEE	2,3,5	%	158.33%	157.39%	153.84%	152.92%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC081R16-76MS2, OFC081R16-76HS2

Ecodesign

	Notes:	Units	OFC081R16-76MS2		OFC081R16-76HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.36	6.42	5.89	5.96
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	896594.5	884695.2	958459.8	942648.8
Rated Refrigerant Capacity P_A	1,3,5	kW	764.9	762.5	756.9	754.5
Rated Power Input D_A		kW	263.1	265.6	264.3	266.8
Rated $EER_{DC,A}$			2.91	2.87	2.86	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	713.6	711.3	706.2	703.9
Declared Power Input D_B		kW	187.3	188.8	197.0	198.5
Declared $EER_{DC,B}$			3.81	3.77	3.59	3.55
Declared Refrigerant Capacity P_C	1,3,5	kW	662.3	660.2	655.4	653.3
Declared Power Input D_C		kW	134.3	135.2	142.1	143.1
Declared $EER_{DC,C}$			4.93	4.88	4.61	4.57
Declared Refrigerant Capacity P_D	1,3,5	kW	611.0	609.1	604.6	602.8
Declared Power Input D_D		kW	57.1	54.3	62.7	59.1
Declared $EER_{DC,D}$			10.70	11.22	9.65	10.20
SSCEE	2,3,5	%	153.31%	152.51%	146.13%	145.39%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC086R16-77MS2, OFC086R16-77HS2

Ecodesign

	Notes:	Units	OFC086R16-77MS2		OFC086R16-77HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.23	6.28	5.68	5.75
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	973161.4	960685.7	1049917.0	1032524.8
Rated Refrigerant Capacity P_A	1,3,5	kW	811.8	809.0	799.5	796.8
Rated Power Input D_A		kW	280.8	283.3	284.4	286.9
Rated $EER_{DC,A}$			2.89	2.86	2.81	2.78
Declared Refrigerant Capacity P_B	1,3,5	kW	757.3	754.7	745.8	743.3
Declared Power Input D_B		kW	202.9	204.4	214.6	216.1
Declared $EER_{DC,B}$			3.73	3.69	3.48	3.44
Declared Refrigerant Capacity P_C	1,3,5	kW	702.8	700.5	692.1	689.9
Declared Power Input D_C		kW	147.3	148.4	158.2	159.2
Declared $EER_{DC,C}$			4.77	4.72	4.38	4.33
Declared Refrigerant Capacity P_D	1,3,5	kW	648.2	646.2	638.4	636.4
Declared Power Input D_D		kW	61.2	58.3	67.6	63.7
Declared $EER_{DC,D}$			10.59	11.09	9.45	9.99
SSCEE	2,3,5	%	151.91%	151.33%	143.64%	143.09%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC077R18-66MS1, OFC077R18-66HS1

Ecodesign

	Notes:	Units	OFC077R18-66MS1		OFC077R18-66HS1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.46	6.51	6.16	6.25
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	824673.0	813986.6	858254.8	843601.1
Rated Refrigerant Capacity P_A	1,3,5	kW	715.2	712.9	710.9	708.6
Rated Power Input D_A		kW	239.9	242.1	238.8	240.9
Rated $EER_{DC,A}$			2.98	2.94	2.98	2.94
Declared Refrigerant Capacity P_B	1,3,5	kW	667.3	665.2	663.2	661.2
Declared Power Input D_B		kW	167.6	168.9	175.1	176.4
Declared $EER_{DC,B}$			3.98	3.94	3.79	3.75
Declared Refrigerant Capacity P_C	1,3,5	kW	619.4	617.5	615.6	613.8
Declared Power Input D_C		kW	122.6	123.2	128.0	128.7
Declared $EER_{DC,C}$			5.05	5.01	4.81	4.77
Declared Refrigerant Capacity P_D	1,3,5	kW	571.5	569.8	568.0	566.3
Declared Power Input D_D		kW	54.2	51.8	56.3	53.1
Declared $EER_{DC,D}$			10.54	11.01	10.09	10.68
SSCEE	2,3,5	%	163.49%	162.80%	158.71%	158.03%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	718.5	715.7	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	715.2	712.9	n/a	n/a
Declared EER_d 35°C			2.98	2.94	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	526.1	524.6	n/a	n/a
Declared EER_d 30°C			3.54	3.50	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	337.0	336.2	n/a	n/a
Declared EER_d 25°C			4.84	4.81	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	148.0	147.9	n/a	n/a
Declared EER_d 20°C			5.13	5.11	n/a	n/a
Sound Power Level		dB(A)	102	102	n/a	n/a
Air Volume		m³/h	329355	314679	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	3.293	2.788	n/a	n/a
Standby Mode P_{SB}		kW	0.914	0.914	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.914	0.914	n/a	n/a

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

Technical Data

OFC082R18-76MS2, OFC082R18-76HS2

Ecodesign

	Notes:	Units	OFC082R18-76MS2		OFC082R18-76HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.55	6.60	6.04	6.13
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	877298.6	866600.9	940963.6	923601.0
Rated Refrigerant Capacity P_A	1,3,5	kW	771.1	768.8	762.9	760.7
Rated Power Input D_A		kW	258.9	261.1	260.2	262.5
Rated $EER_{DC,A}$			2.98	2.94	2.93	2.90
Declared Refrigerant Capacity P_B	1,3,5	kW	719.4	717.3	711.8	709.7
Declared Power Input D_B		kW	184.4	185.8	194.1	195.5
Declared $EER_{DC,B}$			3.90	3.86	3.67	3.63
Declared Refrigerant Capacity P_C	1,3,5	kW	667.7	665.8	660.7	658.8
Declared Power Input D_C		kW	132.1	132.9	140.0	140.9
Declared $EER_{DC,C}$			5.05	5.01	4.72	4.68
Declared Refrigerant Capacity P_D	1,3,5	kW	616.1	614.3	609.6	607.9
Declared Power Input D_D		kW	55.5	53.0	61.3	57.6
Declared $EER_{DC,D}$			11.10	11.59	9.94	10.56

SSCEE	2,3,5	%	158.66%	158.11%	150.97%	150.45%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC087R18-77MS2, OFC087R18-77HS2

Ecodesign

	Notes:	Units	OFC087R18-77MS2		OFC087R18-77HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.41	6.47	5.84	5.92
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	951220.7	938638.5	1029444.6	1010472.6
Rated Refrigerant Capacity P_A	1,3,5	kW	818.7	816.2	806.2	803.7
Rated Power Input D_A		kW	276.2	278.5	279.9	282.2
Rated $EER_{DC,A}$			2.96	2.93	2.88	2.85
Declared Refrigerant Capacity P_B	1,3,5	kW	763.8	761.5	752.2	749.9
Declared Power Input D_B		kW	199.7	201.1	211.5	212.8
Declared $EER_{DC,B}$			3.82	3.79	3.56	3.52
Declared Refrigerant Capacity P_C	1,3,5	kW	708.9	706.8	698.1	696.0
Declared Power Input D_C		kW	144.7	145.6	155.7	156.6
Declared $EER_{DC,C}$			4.90	4.85	4.48	4.44
Declared Refrigerant Capacity P_D	1,3,5	kW	654.0	652.1	644.1	642.2
Declared Power Input D_D		kW	59.5	56.6	66.0	62.0
Declared $EER_{DC,D}$			11.00	11.52	9.76	10.36
SSCEE	2,3,5	%	157.55%	157.24%	148.64%	148.33%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC091R18-87MS4, OFC094R18-87MS6

Ecodesign

	Notes:	Units	OFC091R18-87MS4		OFC094R18-87MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.12	6.22	6.21	6.31
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1058550.8	1038009.4	1082683.0	1062653.8
Rated Refrigerant Capacity P_A	1,3,5	kW	869.0	866.7	902.7	900.3
Rated Power Input D_A		kW	302.5	305.2	306.4	309.0
Rated $EER_{DC,A}$			2.87	2.84	2.95	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	810.7	808.6	842.2	840.0
Declared Power Input D_B		kW	215.7	217.2	219.7	221.1
Declared $EER_{DC,B}$			3.76	3.72	3.83	3.80
Declared Refrigerant Capacity P_C	1,3,5	kW	752.4	750.5	781.6	779.7
Declared Power Input D_C		kW	156.0	156.9	159.5	160.4
Declared $EER_{DC,C}$			4.82	4.78	4.90	4.86
Declared Refrigerant Capacity P_D	1,3,5	kW	694.2	692.5	721.1	719.4
Declared Power Input D_D		kW	70.0	65.6	71.9	67.6
Declared $EER_{DC,D}$			9.92	10.56	10.03	10.64
SSCEE	2,3,5	%	155.53%	155.38%	160.34%	160.37%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC091R18-87HS4, OFC094R18-87HS6

Ecodesign

	Notes:	Units	OFC091R18-87HS4		OFC094R18-87HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.01	6.10	6.09	6.19
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1068095.5	1047394.7	1093922.7	1073036.3
Rated Refrigerant Capacity P_A	1,3,5	kW	860.8	858.5	894.6	892.2
Rated Power Input D_A		kW	300.1	302.8	304.0	306.6
Rated $EER_{DC,A}$			2.87	2.84	2.94	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	803.1	801.0	834.6	832.4
Declared Power Input D_B		kW	218.3	219.8	222.0	223.5
Declared $EER_{DC,B}$			3.68	3.64	3.76	3.73
Declared Refrigerant Capacity P_C	1,3,5	kW	745.3	743.4	774.6	772.7
Declared Power Input D_C		kW	162.2	163.0	166.0	166.8
Declared $EER_{DC,C}$			4.60	4.56	4.67	4.63
Declared Refrigerant Capacity P_D	1,3,5	kW	687.6	685.9	714.6	712.9
Declared Power Input D_D		kW	68.1	63.8	70.3	66.0
Declared $EER_{DC,D}$			10.09	10.74	10.17	10.81
SSCEE	2,3,5	%	156.56%	156.40%	161.43%	161.44%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	899.8	896.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	894.6	892.2
Declared EER_d 35°C			n/a	n/a	2.94	2.91
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	657.8	656.3
Declared EER_d 30°C			n/a	n/a	3.45	3.42
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	421.0	420.4
Declared EER_d 25°C			n/a	n/a	4.68	4.67
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	184.2	184.5
Declared EER_d 20°C			n/a	n/a	5.25	5.25
Sound Power Level		dB(A)	n/a	n/a	104	104
Air Volume		m³/h	n/a	n/a	329355	314679
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	5.179	4.273
Standby Mode P_{SB}		kW	n/a	n/a	0.914	0.914
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.914	0.914

(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

OFC095R18-88MS4, OFC098R18-88MS6

Ecodesign

	Notes:	Units	OFC095R18-88MS4		OFC098R18-88MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.96	6.06	6.05	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1139469.8	1116713.0	1164762.9	1142794.5
Rated Refrigerant Capacity P_A	1,3,5	kW	910.7	908.3	945.5	943.0
Rated Power Input D_A		kW	327.4	330.2	331.6	334.4
Rated $EER_{DC,A}$			2.78	2.75	2.85	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	849.6	847.4	882.0	879.8
Declared Power Input D_B		kW	232.4	234.0	236.9	238.5
Declared $EER_{DC,B}$			3.66	3.62	3.72	3.69
Declared Refrigerant Capacity P_C	1,3,5	kW	788.5	786.5	818.6	816.6
Declared Power Input D_C		kW	169.2	169.9	172.9	173.7
Declared $EER_{DC,C}$			4.66	4.63	4.73	4.70
Declared Refrigerant Capacity P_D	1,3,5	kW	727.4	725.6	755.2	753.4
Declared Power Input D_D		kW	74.5	69.8	76.4	71.9
Declared $EER_{DC,D}$			9.76	10.39	9.88	10.48
SSCEE	2,3,5	%	153.24%	153.29%	157.85%	158.08%
SSCEE Tier			Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC095R18-88HS4, OFC098R18-88HS6

Ecodesign

	Notes:	Units	OFC095R18-88HS4		OFC098R18-88HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.04	6.14	6.13	6.23
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1120742.2	1098417.6	1146997.2	1124401.2
Rated Refrigerant Capacity P_A	1,3,5	kW	907.7	905.2	942.9	940.4
Rated Power Input D_A		kW	319.2	322.0	323.3	326.0
Rated $EER_{DC,A}$			2.84	2.81	2.92	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	846.8	844.5	879.7	877.4
Declared Power Input D_B		kW	228.5	230.0	232.9	234.4
Declared $EER_{DC,B}$			3.71	3.67	3.78	3.74
Declared Refrigerant Capacity P_C	1,3,5	kW	785.9	783.8	816.4	814.3
Declared Power Input D_C		kW	166.2	167.0	170.0	170.8
Declared $EER_{DC,C}$			4.73	4.69	4.80	4.77
Declared Refrigerant Capacity P_D	1,3,5	kW	724.9	723.1	753.1	751.3
Declared Power Input D_D		kW	73.5	68.8	75.5	70.9
Declared $EER_{DC,D}$			9.87	10.50	9.98	10.60
SSCEE	2,3,5	%	156.18%	156.24%	160.96%	161.21%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	945.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	940.4
Declared EER_d 35°C			n/a	n/a	n/a	2.88
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	691.6
Declared EER_d 30°C			n/a	n/a	n/a	3.50
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	442.9
Declared EER_d 25°C			n/a	n/a	n/a	4.60
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	194.1
Declared EER_d 20°C			n/a	n/a	n/a	5.24
Sound Power Level		dB(A)	n/a	n/a	n/a	104
Air Volume		m^3/h	n/a	n/a	n/a	314679
Off mode P_{OFF}		kW	n/a	n/a	n/a	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	4.898
Standby Mode P_{SB}		kW	n/a	n/a	n/a	0.914
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	0.914

(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

OFC102R18-99MS5, OFC105R18-99MS6

Ecodesign

	Notes:	Units	OFC102R18-99MS5		OFC105R18-99MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.82	5.92	5.87	5.96
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1295012.9	1268486.1	1332003.6	1305849.4
Rated Refrigerant Capacity P_A	1,3,5	kW	1010.7	1008.2	1047.1	1044.5
Rated Power Input D_A		kW	377.3	380.4	383.1	386.2
Rated $EER_{DC,A}$			2.68	2.65	2.73	2.70
Declared Refrigerant Capacity P_B	1,3,5	kW	942.9	940.6	976.8	974.5
Declared Power Input D_B		kW	265.8	267.5	272.0	273.7
Declared $EER_{DC,B}$			3.55	3.52	3.59	3.56
Declared Refrigerant Capacity P_C	1,3,5	kW	875.0	873.0	906.4	904.4
Declared Power Input D_C		kW	192.8	193.6	197.9	198.6
Declared $EER_{DC,C}$			4.54	4.51	4.58	4.55
Declared Refrigerant Capacity P_D	1,3,5	kW	807.2	805.4	836.1	834.3
Declared Power Input D_D		kW	84.0	78.6	86.8	81.5
Declared $EER_{DC,D}$			9.61	10.24	9.64	10.23
SSCEE	2,3,5	%	149.37%	149.71%	151.64%	152.20%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC102R18-99HS5, OFC106R18-99HS6

Ecodesign

	Notes:	Units	OFC102R18-99HS5		OFC106R18-99HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.92	6.02	5.96	6.06
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1275815.9	1247977.7	1313549.4	1286058.2
Rated Refrigerant Capacity P_A	1,3,5	kW	1011.6	1009.0	1048.6	1046.0
Rated Power Input D_A		kW	368.1	371.2	373.9	376.9
Rated $EER_{DC,A}$			2.75	2.72	2.80	2.78
Declared Refrigerant Capacity P_B	1,3,5	kW	943.7	941.3	978.2	975.9
Declared Power Input D_B		kW	261.6	263.3	267.7	269.3
Declared $EER_{DC,B}$			3.61	3.58	3.65	3.62
Declared Refrigerant Capacity P_C	1,3,5	kW	875.8	873.7	907.8	905.7
Declared Power Input D_C		kW	189.6	190.4	194.8	195.5
Declared $EER_{DC,C}$			4.62	4.59	4.66	4.63
Declared Refrigerant Capacity P_D	1,3,5	kW	807.9	806.1	837.3	835.5
Declared Power Input D_D		kW	83.0	77.5	85.9	80.5
Declared $EER_{DC,D}$			9.73	10.41	9.75	10.38
SSCEE	2,3,5	%	152.65%	153.03%	155.00%	155.61%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC111R18-09MS6, OFC116R18-00MS7

Ecodesign

	Notes:	Units	OFC111R18-09MS6		OFC116R18-00MS7	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.82	5.92	5.64	5.74
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1384538.5	1355590.9	1457897.5	1428171.8
Rated Refrigerant Capacity P_A	1,3,5	kW	1079.4	1077.0	1102.0	1099.3
Rated Power Input D_A		kW	412.0	415.3	437.5	440.8
Rated $EER_{DC,A}$			2.62	2.59	2.52	2.49
Declared Refrigerant Capacity P_B	1,3,5	kW	1006.9	1004.7	1028.1	1025.6
Declared Power Input D_B		kW	296.3	298.3	319.3	321.5
Declared $EER_{DC,B}$			3.40	3.37	3.22	3.19
Declared Refrigerant Capacity P_C	1,3,5	kW	934.4	932.5	954.1	951.9
Declared Power Input D_C		kW	209.4	210.4	224.5	225.9
Declared $EER_{DC,C}$			4.46	4.43	4.25	4.21
Declared Refrigerant Capacity P_D	1,3,5	kW	861.9	860.2	880.1	878.2
Declared Power Input D_D		kW	85.4	79.7	86.8	80.9
Declared $EER_{DC,D}$			10.09	10.79	10.14	10.86
SSCEE	2,3,5	%	140.43%	140.70%	138.26%	138.55%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC122R18-11MS8, OFC078R20-66MS1

Ecodesign

	Notes:	Units	OFC122R18-11MS8		OFC078R20-66MS1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.86	5.97	6.53	6.41
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1513048.1	1476803.2	819312.0	830906.2
Rated Refrigerant Capacity P_A	1,3,5	kW	1188.0	1182.9	718.3	716.1
Rated Power Input D_A		kW	478.3	481.1	237.7	239.7
Rated $EER_{DC,A}$			2.48	2.46	3.02	2.99
Declared Refrigerant Capacity P_B	1,3,5	kW	1108.2	1103.5	670.1	668.2
Declared Power Input D_B		kW	336.7	338.0	166.3	167.4
Declared $EER_{DC,B}$			3.29	3.27	4.03	3.99
Declared Refrigerant Capacity P_C	1,3,5	kW	1028.4	1024.2	622.0	620.2
Declared Power Input D_C		kW	230.3	230.8	121.9	122.4
Declared $EER_{DC,C}$			4.47	4.44	5.10	5.07
Declared Refrigerant Capacity P_D	1,3,5	kW	948.6	944.8	573.9	572.3
Declared Power Input D_D		kW	89.9	83.5	53.9	55.6
Declared $EER_{DC,D}$			10.55	11.32	10.65	10.29
SSCEE	2,3,5	%	144.57%	145.40%	165.01%	164.62%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	721.7	719.0
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	718.3	716.1
Declared EER_d 35°C			n/a	n/a	3.02	2.99
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	528.3	526.9
Declared EER_d 30°C			n/a	n/a	3.58	3.55
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	338.4	337.7
Declared EER_d 25°C			n/a	n/a	4.89	4.87
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	148.5	148.5
Declared EER_d 20°C			n/a	n/a	5.17	5.16
Sound Power Level		dB(A)	n/a	n/a	102	102
Air Volume		m^3/h	n/a	n/a	365950	349643
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	3.440	2.876
Standby Mode P_{SB}		kW	n/a	n/a	0.924	0.924
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.924	0.924

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

Technical Data

OFC078R20-66HS1, OFC083R20-76MS2

Ecodesign

	Notes:	Units	OFC078R20-66HS1		OFC083R20-76MS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.22	6.10	6.62	6.55
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	853934.8	867455.3	872049.2	878082.6
Rated Refrigerant Capacity P_A	1,3,5	kW	713.7	711.7	774.5	772.3
Rated Power Input D_A		kW	236.6	238.6	256.5	258.6
Rated $EER_{DC,A}$			3.02	2.98	3.02	2.99
Declared Refrigerant Capacity P_B	1,3,5	kW	665.9	664.0	722.6	720.6
Declared Power Input D_B		kW	173.8	174.9	183.0	184.2
Declared $EER_{DC,B}$			3.83	3.80	3.95	3.91
Declared Refrigerant Capacity P_C	1,3,5	kW	618.1	616.4	670.6	668.9
Declared Power Input D_C		kW	127.2	127.8	131.3	132.0
Declared $EER_{DC,C}$			4.86	4.82	5.11	5.07
Declared Refrigerant Capacity P_D	1,3,5	kW	570.3	568.8	618.7	617.1
Declared Power Input D_D		kW	56.1	58.2	55.2	55.9
Declared $EER_{DC,D}$			10.16	9.77	11.21	11.04
SSCEE	2,3,5	%	160.17%	159.76%	160.16%	159.91%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC083R20-76HS2, OFC088R20-77MS2

Ecodesign

	Notes:	Units	OFC083R20-76HS2		OFC088R20-77MS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.11	6.04	6.49	6.45
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	934462.0	942049.4	944723.2	946491.8
Rated Refrigerant Capacity P_A	1,3,5	kW	766.2	764.1	822.5	820.1
Rated Power Input D_A		kW	257.8	259.9	273.8	275.8
Rated $EER_{DC,A}$			2.97	2.94	3.00	2.97
Declared Refrigerant Capacity P_B	1,3,5	kW	714.8	712.9	767.3	765.2
Declared Power Input D_B		kW	192.8	193.9	198.3	199.5
Declared $EER_{DC,B}$			3.71	3.68	3.87	3.84
Declared Refrigerant Capacity P_C	1,3,5	kW	663.5	661.8	712.2	710.2
Declared Power Input D_C		kW	139.2	139.9	143.6	144.4
Declared $EER_{DC,C}$			4.77	4.73	4.96	4.92
Declared Refrigerant Capacity P_D	1,3,5	kW	612.1	610.6	657.0	655.3
Declared Power Input D_D		kW	60.8	61.8	59.1	58.9
Declared $EER_{DC,D}$			10.06	9.88	11.12	11.12
SSCEE	2,3,5	%	152.33%	152.09%	158.95%	158.98%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC088R20-77HS2, OFC092R20-87MS4

Ecodesign

	Notes:	Units	OFC088R20-77HS2		OFC092R20-87MS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.90	5.87	6.20	6.20
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1022512.0	1023519.5	1049415.7	1045674.6
Rated Refrigerant Capacity P_A	1,3,5	kW	809.8	807.5	873.1	871.0
Rated Power Input D_A		kW	277.4	279.5	299.7	302.1
Rated $EER_{DC,A}$			2.92	2.89	2.91	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	755.5	753.4	814.5	812.6
Declared Power Input D_B		kW	210.0	211.2	214.2	215.5
Declared $EER_{DC,B}$			3.60	3.57	3.80	3.77
Declared Refrigerant Capacity P_C	1,3,5	kW	701.2	699.3	755.9	754.2
Declared Power Input D_C		kW	154.7	155.5	155.1	155.8
Declared $EER_{DC,C}$			4.53	4.50	4.87	4.84
Declared Refrigerant Capacity P_D	1,3,5	kW	646.9	645.2	697.4	695.9
Declared Power Input D_D		kW	65.5	65.2	69.0	67.9
Declared $EER_{DC,D}$			9.88	9.90	10.10	10.25
SSCEE	2,3,5	%	149.90%	149.89%	156.90%	157.12%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC095R20-87MS6, OFC092R20-87HS4

Ecodesign

	Notes:	Units	OFC095R20-87MS6		OFC092R20-87HS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.29	6.32	6.08	6.09
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1075421.3	1065320.8	1061419.6	1055642.5
Rated Refrigerant Capacity P_A	1,3,5	kW	907.0	904.9	864.8	862.7
Rated Power Input D_A		kW	303.5	305.9	297.3	299.7
Rated $EER_{DC,A}$			2.99	2.96	2.91	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	846.2	844.2	806.8	804.9
Declared Power Input D_B		kW	218.1	219.3	216.7	218.0
Declared $EER_{DC,B}$			3.88	3.85	3.72	3.69
Declared Refrigerant Capacity P_C	1,3,5	kW	785.4	783.6	748.8	747.1
Declared Power Input D_C		kW	158.6	159.3	161.3	162.0
Declared $EER_{DC,C}$			4.95	4.92	4.64	4.61
Declared Refrigerant Capacity P_D	1,3,5	kW	724.5	723.0	690.8	689.2
Declared Power Input D_D		kW	71.3	69.0	67.7	66.2
Declared $EER_{DC,D}$			10.16	10.47	10.21	10.41
SSCEE	2,3,5	%	161.72%	162.16%	157.92%	158.13%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	912.6	909.4	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	907.0	904.9	n/a	n/a
Declared EER_d 35°C			2.99	2.96	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	666.9	665.5	n/a	n/a
Declared EER_d 30°C			3.60	3.57	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	426.7	426.2	n/a	n/a
Declared EER_d 25°C			4.65	4.64	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	186.5	186.9	n/a	n/a
Declared EER_d 20°C			5.14	5.15	n/a	n/a
Sound Power Level		dB(A)	103	104	n/a	n/a
Air Volume		m³/h	365950	349643	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	5.580	4.539	n/a	n/a
Standby Mode P_{SB}		kW	0.924	0.924	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.924	0.924	n/a	n/a

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

Technical Data

OFC095R20-87HS6, OFC096R20-88MS4

Ecodesign

	Notes:	Units	OFC095R20-87HS6		OFC096R20-88MS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.17	6.19	6.04	6.07
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1085897.2	1078655.3	1130085.4	1120807.2
Rated Refrigerant Capacity P_A	1,3,5	kW	898.8	896.6	915.1	912.9
Rated Power Input D_A		kW	301.1	303.5	324.2	326.7
Rated $EER_{DC,A}$			2.99	2.95	2.82	2.79
Declared Refrigerant Capacity P_B	1,3,5	kW	838.5	836.6	853.7	851.7
Declared Power Input D_B		kW	220.3	221.6	230.7	232.1
Declared $EER_{DC,B}$			3.81	3.78	3.70	3.67
Declared Refrigerant Capacity P_C	1,3,5	kW	778.2	776.5	792.3	790.5
Declared Power Input D_C		kW	165.1	165.7	168.2	168.8
Declared $EER_{DC,C}$			4.71	4.69	4.71	4.68
Declared Refrigerant Capacity P_D	1,3,5	kW	718.0	716.4	730.8	729.3
Declared Power Input D_D		kW	69.6	67.9	73.6	71.5
Declared $EER_{DC,D}$			10.32	10.56	9.94	10.20
SSCEE	2,3,5	%	162.81%	163.23%	154.53%	154.97%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	904.2	901.1	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	898.8	896.6	n/a	n/a
Declared EER_d 35°C			2.99	2.95	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	660.8	659.5	n/a	n/a
Declared EER_d 30°C			3.49	3.46	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	422.9	422.4	n/a	n/a
Declared EER_d 25°C			4.73	4.72	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	184.9	185.3	n/a	n/a
Declared EER_d 20°C			5.30	5.31	n/a	n/a
Sound Power Level		dB(A)	103	104	n/a	n/a
Air Volume		m³/h	365950	349643	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	5.448	4.432	n/a	n/a
Standby Mode P_{SB}		kW	0.924	0.924	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.924	0.924	n/a	n/a

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

Technical Data

OFC099R20-88MS6, OFC096R20-88HS4

Ecodesign

	Notes:	Units	OFC099R20-88MS6		OFC096R20-88HS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.12	6.18	6.11	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1157053.1	1141751.2	1113762.2	1101813.8
Rated Refrigerant Capacity P_A	1,3,5	kW	950.1	947.8	912.0	909.8
Rated Power Input D_A		kW	328.3	330.8	316.1	318.6
Rated $EER_{DC,A}$			2.89	2.87	2.89	2.86
Declared Refrigerant Capacity P_B	1,3,5	kW	886.3	884.3	850.8	848.8
Declared Power Input D_B		kW	235.2	236.5	226.9	228.2
Declared $EER_{DC,B}$			3.77	3.74	3.75	3.72
Declared Refrigerant Capacity P_C	1,3,5	kW	822.6	820.8	789.6	787.8
Declared Power Input D_C		kW	172.0	172.5	165.3	165.9
Declared $EER_{DC,C}$			4.78	4.76	4.78	4.75
Declared Refrigerant Capacity P_D	1,3,5	kW	758.8	757.2	728.4	726.8
Declared Power Input D_D		kW	75.8	72.6	72.9	70.4
Declared $EER_{DC,D}$			10.02	10.42	9.99	10.33
SSCEE	2,3,5	%	159.15%	159.82%	157.49%	157.95%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC099R20-88HS6, OFC103R20-99MS5

Ecodesign

	Notes:	Units	OFC099R20-88HS6		OFC103R20-99MS5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.20	6.25	5.89	5.99
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1139180.9	1125881.2	1286457.0	1261883.7
Rated Refrigerant Capacity P_A	1,3,5	kW	947.5	945.2	1016.2	1013.9
Rated Power Input D_A		kW	320.1	322.6	373.5	376.3
Rated $EER_{DC,A}$			2.96	2.93	2.72	2.69
Declared Refrigerant Capacity P_B	1,3,5	kW	883.9	881.9	948.0	945.9
Declared Power Input D_B		kW	231.2	232.5	263.9	265.3
Declared $EER_{DC,B}$			3.82	3.79	3.59	3.56
Declared Refrigerant Capacity P_C	1,3,5	kW	820.3	818.5	879.7	877.9
Declared Power Input D_C		kW	169.2	169.7	191.8	192.4
Declared $EER_{DC,C}$			4.85	4.82	4.59	4.56
Declared Refrigerant Capacity P_D	1,3,5	kW	756.8	755.2	811.5	809.9
Declared Power Input D_D		kW	74.8	72.1	83.2	78.5
Declared $EER_{DC,D}$			10.11	10.48	9.75	10.32

SSCEE	2,3,5	%	162.29%	162.99%	150.64%	151.42%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	953.8	950.3	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	947.5	945.2	n/a	n/a
Declared EER_d 35°C			2.96	2.93	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	696.5	695.1	n/a	n/a
Declared EER_d 30°C			3.57	3.55	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	445.5	445.1	n/a	n/a
Declared EER_d 25°C			4.65	4.65	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	194.5	195.0	n/a	n/a
Declared EER_d 20°C			5.27	5.30	n/a	n/a
Sound Power Level		dB(A)	104	104	n/a	n/a
Air Volume		m³/h	365950	349643	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	6.256	5.084	n/a	n/a
Standby Mode P_{SB}		kW	0.924	0.924	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.924	0.924	n/a	n/a

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

Technical Data

OFC107R20-99MS6, OFC103R20-99HS3

Ecodesign

	Notes:	Units	OFC107R20-99MS6		OFC103R20-99HS3	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.94	6.04	5.95	6.04
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1322698.0	1296588.7	1272794.3	1249259.9
Rated Refrigerant Capacity P_A	1,3,5	kW	1052.8	1050.5	1014.7	1012.3
Rated Power Input D_A		kW	379.2	382.0	364.8	367.6
Rated $EER_{DC,A}$			2.78	2.75	2.78	2.75
Declared Refrigerant Capacity P_B	1,3,5	kW	982.1	980.0	946.5	944.4
Declared Power Input D_B		kW	270.0	271.4	260.2	261.6
Declared $EER_{DC,B}$			3.64	3.61	3.64	3.61
Declared Refrigerant Capacity P_C	1,3,5	kW	911.3	909.6	878.4	876.5
Declared Power Input D_C		kW	196.9	197.4	189.1	189.7
Declared $EER_{DC,C}$			4.63	4.61	4.64	4.62
Declared Refrigerant Capacity P_D	1,3,5	kW	840.6	839.1	810.2	808.6
Declared Power Input D_D		kW	85.9	80.9	82.8	78.2
Declared $EER_{DC,D}$			9.79	10.37	9.79	10.34
SSCEE	2,3,5	%	152.86%	153.89%	152.35%	153.18%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

OFC103R20-99HS5, OFC107R20-99HS6

Ecodesign

	Notes:	Units	OFC103R20-99HS5		OFC107R20-99HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.99	6.08	6.04	6.14
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1267768.9	1244135.5	1304621.7	1277709.8
Rated Refrigerant Capacity P_A	1,3,5	kW	1017.1	1014.8	1054.4	1052.0
Rated Power Input D_A		kW	364.5	367.2	370.2	372.8
Rated $EER_{DC,A}$			2.79	2.76	2.85	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	948.8	946.7	983.5	981.5
Declared Power Input D_B		kW	259.8	261.1	265.8	267.1
Declared $EER_{DC,B}$			3.65	3.63	3.70	3.67
Declared Refrigerant Capacity P_C	1,3,5	kW	880.5	878.7	912.7	910.9
Declared Power Input D_C		kW	188.6	189.2	193.9	194.3
Declared $EER_{DC,C}$			4.67	4.65	4.71	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	812.2	810.6	841.8	840.3
Declared Power Input D_D		kW	82.3	77.8	85.0	80.0
Declared $EER_{DC,D}$			9.87	10.42	9.90	10.51
SSCEE	2,3,5	%	153.93%	154.77%	156.22%	157.34%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC112R20-09MS6, OFC118R20-00MS7

Ecodesign

	Notes:	Units	OFC112R20-09MS6		OFC118R20-00MS7	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.90	6.01	5.72	5.83
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1373615.9	1345213.5	1447676.1	1415332.9
Rated Refrigerant Capacity P_A	1,3,5	kW	1085.7	1083.5	1108.9	1106.4
Rated Power Input D_A		kW	408.0	410.9	433.2	436.2
Rated $EER_{DC,A}$			2.66	2.64	2.56	2.54
Declared Refrigerant Capacity P_B	1,3,5	kW	1012.7	1010.8	1034.4	1032.2
Declared Power Input D_B		kW	293.9	295.6	316.8	318.6
Declared $EER_{DC,B}$			3.45	3.42	3.27	3.24
Declared Refrigerant Capacity P_C	1,3,5	kW	939.7	938.1	959.9	958.0
Declared Power Input D_C		kW	208.3	209.0	223.0	224.0
Declared $EER_{DC,C}$			4.51	4.49	4.30	4.28
Declared Refrigerant Capacity P_D	1,3,5	kW	866.8	865.4	885.5	883.9
Declared Power Input D_D		kW	84.4	79.0	86.1	80.1
Declared $EER_{DC,D}$			10.27	10.95	10.28	11.04
SSCEE	2,3,5	%	141.77%	142.47%	139.60%	140.34%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC124R20-11MS8, OFC078R22-66MS1

Ecodesign

	Notes:	Units	OFC124R20-11MS8		OFC078R22-66MS1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.95	6.08	6.57	6.64
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1503900.9	1466930.8	816341.0	805354.9
Rated Refrigerant Capacity P_A	1,3,5	kW	1197.9	1195.7	720.4	718.4
Rated Power Input D_A		kW	474.2	477.3	236.0	237.8
Rated $EER_{DC,A}$			2.53	2.51	3.05	3.02
Declared Refrigerant Capacity P_B	1,3,5	kW	1117.4	1115.4	672.1	670.3
Declared Power Input D_B		kW	334.8	336.7	165.2	166.2
Declared $EER_{DC,B}$			3.34	3.31	4.07	4.03
Declared Refrigerant Capacity P_C	1,3,5	kW	1036.8	1035.2	623.8	622.2
Declared Power Input D_C		kW	229.3	230.1	121.3	121.7
Declared $EER_{DC,C}$			4.52	4.50	5.14	5.11
Declared Refrigerant Capacity P_D	1,3,5	kW	956.3	955.0	575.6	574.1
Declared Power Input D_D		kW	89.0	82.3	53.8	51.5
Declared $EER_{DC,D}$			10.74	11.61	10.69	11.15
SSCEE	2,3,5	%	145.78%	147.10%	166.19%	166.08%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	723.9	721.3
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	720.4	718.4
Declared EER_d 35°C			n/a	n/a	3.05	3.02
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	529.8	528.5
Declared EER_d 30°C			n/a	n/a	3.62	3.59
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	339.3	338.7
Declared EER_d 25°C			n/a	n/a	4.93	4.91
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	148.8	148.9
Declared EER_d 20°C			n/a	n/a	5.20	5.20
Sound Power Level		dB(A)	n/a	n/a	101	102
Air Volume		m^3/h	n/a	n/a	402545	384607
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	3.579	2.958
Standby Mode P_{SB}		kW	n/a	n/a	0.934	0.934
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.934	0.934

(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

OFC078R22-66HS1, OFC084R22-76MS2

Ecodesign

	Notes:	Units	OFC078R22-66HS1		OFC084R22-76MS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.28	6.36	6.67	6.73
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	848656.8	834396.9	868319.1	856452.4
Rated Refrigerant Capacity P_A	1,3,5	kW	715.7	713.8	776.7	774.8
Rated Power Input D_A		kW	234.9	236.7	254.7	256.5
Rated $EER_{DC,A}$			3.05	3.02	3.05	3.02
Declared Refrigerant Capacity P_B	1,3,5	kW	667.7	666.0	724.7	722.9
Declared Power Input D_B		kW	172.7	173.7	181.8	182.9
Declared $EER_{DC,B}$			3.87	3.83	3.99	3.95
Declared Refrigerant Capacity P_C	1,3,5	kW	619.8	618.2	672.6	671.0
Declared Power Input D_C		kW	126.5	127.0	130.6	131.1
Declared $EER_{DC,C}$			4.90	4.87	5.15	5.12
Declared Refrigerant Capacity P_D	1,3,5	kW	571.8	570.4	620.5	619.1
Declared Power Input D_D		kW	55.7	52.7	55.1	52.6
Declared $EER_{DC,D}$			10.27	10.82	11.26	11.77
SSCEE	2,3,5	%	161.30%	161.17%	161.31%	161.36%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	719.2	716.7	781.1	778.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	715.7	713.8	776.7	774.8
Declared EER_d 35°C			3.05	3.02	3.05	3.02
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	526.4	525.2	571.2	569.9
Declared EER_d 30°C			3.50	3.47	3.57	3.54
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	337.2	336.6	365.6	365.1
Declared EER_d 25°C			4.68	4.66	4.74	4.72
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	147.9	148.0	160.0	160.2
Declared EER_d 20°C			5.15	5.15	4.99	4.99
Sound Power Level		dB(A)	101	101	102	102
Air Volume		m³/h	402545	384607	402545	384607
Off mode P_{OFF}		kW	0.819	0.819	0.819	0.819
Thermostat-off mode P_{TO}		kW	3.579	2.958	4.399	3.640
Standby Mode P_{SB}		kW	0.934	0.934	0.934	0.934
Crankcase heater mode P_{CK}		kW	0.934	0.934	0.934	0.934

(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

OFC084R22-76HS2, OFC089R22-77MS2

Ecodesign

	Notes:	Units	OFC084R22-76HS2		OFC089R22-77MS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.15	6.24	6.54	6.60
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	930684.3	914500.8	940071.6	927974.0
Rated Refrigerant Capacity P_A	1,3,5	kW	768.3	766.4	825.0	822.9
Rated Power Input D_A		kW	255.9	257.8	271.9	273.7
Rated $EER_{DC,A}$			3.00	2.97	3.03	3.01
Declared Refrigerant Capacity P_B	1,3,5	kW	716.8	715.1	769.7	767.7
Declared Power Input D_B		kW	191.6	192.6	197.1	198.1
Declared $EER_{DC,B}$			3.74	3.71	3.90	3.87
Declared Refrigerant Capacity P_C	1,3,5	kW	665.3	663.8	714.3	712.6
Declared Power Input D_C		kW	138.5	139.1	142.8	143.4
Declared $EER_{DC,C}$			4.80	4.77	5.00	4.97
Declared Refrigerant Capacity P_D	1,3,5	kW	613.8	612.4	659.0	657.4
Declared Power Input D_D		kW	60.7	57.4	58.9	56.4
Declared $EER_{DC,D}$			10.11	10.67	11.19	11.67
SSCEE	2,3,5	%	153.38%	153.41%	160.01%	160.36%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

OFC089R22-77HS2, OFC093R22-87MS4

Ecodesign

	Notes:	Units	OFC089R22-77HS2		OFC093R22-87MS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.95	6.02	6.25	6.34
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1017838.8	1001319.6	1044383.5	1026988.2
Rated Refrigerant Capacity P_A	1,3,5	kW	812.2	810.1	875.8	873.8
Rated Power Input D_A		kW	275.4	277.3	297.5	299.6
Rated $EER_{DC,A}$			2.95	2.92	2.94	2.92
Declared Refrigerant Capacity P_B	1,3,5	kW	757.7	755.8	817.0	815.3
Declared Power Input D_B		kW	208.8	209.8	212.9	214.0
Declared $EER_{DC,B}$			3.63	3.60	3.84	3.81
Declared Refrigerant Capacity P_C	1,3,5	kW	703.3	701.6	758.2	756.7
Declared Power Input D_C		kW	153.9	154.5	154.3	154.8
Declared $EER_{DC,C}$			4.57	4.54	4.92	4.89
Declared Refrigerant Capacity P_D	1,3,5	kW	648.8	647.3	699.4	698.1
Declared Power Input D_D		kW	65.3	61.9	68.8	65.3
Declared $EER_{DC,D}$			9.94	10.45	10.17	10.70
SSCEE	2,3,5	%	150.86%	151.14%	157.92%	158.50%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC096R22-87MS6, OFC093R22-87HS4

Ecodesign

	Notes:	Units	OFC096R22-87MS6		OFC093R22-87HS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.35	6.43	6.13	6.22
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1068231.2	1050886.7	1054730.9	1036818.9
Rated Refrigerant Capacity P_A	1,3,5	kW	909.8	907.9	867.4	865.5
Rated Power Input D_A		kW	301.2	303.3	295.1	297.3
Rated $EER_{DC,A}$			3.02	2.99	2.94	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	848.8	847.0	809.2	807.5
Declared Power Input D_B		kW	216.8	217.8	215.4	216.5
Declared $EER_{DC,B}$			3.92	3.89	3.76	3.73
Declared Refrigerant Capacity P_C	1,3,5	kW	787.7	786.2	751.0	749.5
Declared Power Input D_C		kW	157.8	158.3	160.4	161.0
Declared $EER_{DC,C}$			4.99	4.97	4.68	4.66
Declared Refrigerant Capacity P_D	1,3,5	kW	726.7	725.4	692.8	691.4
Declared Power Input D_D		kW	70.6	67.2	67.1	63.6
Declared $EER_{DC,D}$			10.29	10.80	10.33	10.87
SSCEE	2,3,5	%	162.74%	163.58%	158.94%	159.51%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	915.7	912.6	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	909.8	907.9	n/a	n/a
Declared EER_d 35°C			3.02	2.99	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	668.9	667.7	n/a	n/a
Declared EER_d 30°C			3.63	3.61	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	427.9	427.6	n/a	n/a
Declared EER_d 25°C			4.68	4.68	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	186.9	187.4	n/a	n/a
Declared EER_d 20°C			5.17	5.20	n/a	n/a
Sound Power Level		dB(A)	103	103	n/a	n/a
Air Volume		m³/h	402545	384607	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	5.839	4.689	n/a	n/a
Standby Mode P_{SB}		kW	0.934	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.934	0.934	n/a	n/a

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

Technical Data

OFC096R22-87HS6, OFC097R22-88MS4

Ecodesign

	Notes:	Units	OFC096R22-87HS6		OFC097R22-88MS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.22	6.31	6.09	6.18
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1080504.4	1061479.9	1124920.0	1105222.8
Rated Refrigerant Capacity P_A	1,3,5	kW	901.5	899.6	918.0	916.0
Rated Power Input D_A		kW	298.9	301.0	321.8	324.0
Rated $EER_{DC,A}$			3.02	2.99	2.85	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	841.0	839.3	856.4	854.5
Declared Power Input D_B		kW	219.0	220.1	229.4	230.5
Declared $EER_{DC,B}$			3.84	3.81	3.73	3.71
Declared Refrigerant Capacity P_C	1,3,5	kW	780.5	779.0	794.7	793.1
Declared Power Input D_C		kW	164.3	164.7	167.4	167.9
Declared $EER_{DC,C}$			4.75	4.73	4.75	4.73
Declared Refrigerant Capacity P_D	1,3,5	kW	720.1	718.7	733.1	731.7
Declared Power Input D_D		kW	69.2	65.5	73.3	69.5
Declared $EER_{DC,D}$			10.40	10.97	10.01	10.53
SSCEE	2,3,5	%	163.83%	164.65%	155.48%	156.30%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	907.2	904.2	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	901.5	899.6	n/a	n/a
Declared EER_d 35°C			3.02	2.99	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	662.8	661.6	n/a	n/a
Declared EER_d 30°C			3.52	3.50	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	424.0	423.7	n/a	n/a
Declared EER_d 25°C			4.76	4.77	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	185.3	185.8	n/a	n/a
Declared EER_d 20°C			5.33	5.36	n/a	n/a
Sound Power Level		dB(A)	103	103	n/a	n/a
Air Volume		m^3/h	402545	384607	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	5.700	4.578	n/a	n/a
Standby Mode P_{SB}		kW	0.934	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.934	0.934	n/a	n/a

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

Technical Data

OFC100R22-88MS6, OFC097R22-88HS4

Ecodesign

	Notes:	Units	OFC100R22-88MS6		OFC097R22-88HS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.19	6.27	6.17	6.26
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1149268.1	1130406.5	1106508.2	1087572.8
Rated Refrigerant Capacity P_A	1,3,5	kW	953.1	951.1	914.8	912.8
Rated Power Input D_A		kW	325.8	328.0	313.7	315.9
Rated $EER_{DC,A}$			2.93	2.90	2.92	2.89
Declared Refrigerant Capacity P_B	1,3,5	kW	889.1	887.3	853.4	851.6
Declared Power Input D_B		kW	233.8	234.8	225.5	226.6
Declared $EER_{DC,B}$			3.80	3.78	3.78	3.76
Declared Refrigerant Capacity P_C	1,3,5	kW	825.1	823.5	792.0	790.4
Declared Power Input D_C		kW	171.2	171.5	164.5	164.9
Declared $EER_{DC,C}$			4.82	4.80	4.81	4.79
Declared Refrigerant Capacity P_D	1,3,5	kW	761.2	759.8	730.6	729.2
Declared Power Input D_D		kW	75.0	71.4	72.2	68.6
Declared $EER_{DC,D}$			10.15	10.64	10.12	10.63
SSCEE	2,3,5	%	160.09%	161.18%	158.46%	159.31%
SSCEE Tier	6		Non Compliant	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	956.4	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	951.1	n/a	n/a
Declared EER_d 35°C			n/a	2.90	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	699.4	n/a	n/a
Declared EER_d 30°C			n/a	3.52	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	447.7	n/a	n/a
Declared EER_d 25°C			n/a	4.63	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	196.0	n/a	n/a
Declared EER_d 20°C			n/a	5.18	n/a	n/a
Sound Power Level		dB(A)	n/a	104	n/a	n/a
Air Volume		m^3/h	n/a	384607	n/a	n/a
Off mode P_{OFF}		kW	n/a	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	5.292	n/a	n/a
Standby Mode P_{SB}		kW	n/a	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	0.934	n/a	n/a

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

Technical Data

OFC100R22-88HS6, OFC104R22-99MS5

Ecodesign

	Notes:	Units	OFC100R22-88HS6		OFC104R22-99MS5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.25	6.35	5.95	6.04
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1133654.2	1112301.2	1279052.5	1254864.9
Rated Refrigerant Capacity P_A	1,3,5	kW	950.4	948.4	1019.7	1017.6
Rated Power Input D_A		kW	317.7	319.9	370.6	373.1
Rated $EER_{DC,A}$			2.99	2.97	2.75	2.73
Declared Refrigerant Capacity P_B	1,3,5	kW	886.6	884.8	951.2	949.4
Declared Power Input D_B		kW	229.8	230.8	262.4	263.5
Declared $EER_{DC,B}$			3.86	3.83	3.63	3.60
Declared Refrigerant Capacity P_C	1,3,5	kW	822.8	821.2	882.7	881.1
Declared Power Input D_C		kW	168.4	168.7	191.0	191.3
Declared $EER_{DC,C}$			4.89	4.87	4.62	4.61
Declared Refrigerant Capacity P_D	1,3,5	kW	759.0	757.7	814.2	812.9
Declared Power Input D_D		kW	74.4	70.4	82.6	78.1
Declared $EER_{DC,D}$			10.20	10.76	9.86	10.41
SSCEE	2,3,5	%	163.26%	164.39%	151.53%	152.74%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	957.0	953.7	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	950.4	948.4	n/a	n/a
Declared EER_d 35°C			2.99	2.97	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	698.6	697.4	n/a	n/a
Declared EER_d 30°C			3.61	3.59	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	446.8	446.5	n/a	n/a
Declared EER_d 25°C			4.68	4.69	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	194.9	195.5	n/a	n/a
Declared EER_d 20°C			5.30	5.35	n/a	n/a
Sound Power Level		dB(A)	104	104	n/a	n/a
Air Volume		m^3/h	402545	384607	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	6.549	5.253	n/a	n/a
Standby Mode P_{SB}		kW	0.934	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.934	0.934	n/a	n/a

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

Technical Data

OFC108R22-99MS6, OFC104R22-99HS5

Ecodesign

	Notes:	Units	OFC108R22-99MS6		OFC104R22-99HS5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.99	6.09	6.05	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1316525.5	1290833.9	1259866.3	1234685.1
Rated Refrigerant Capacity P_A	1,3,5	kW	1056.4	1054.4	1020.6	1018.5
Rated Power Input D_A		kW	376.3	378.7	361.7	364.1
Rated $EER_{DC,A}$			2.81	2.78	2.82	2.80
Declared Refrigerant Capacity P_B	1,3,5	kW	985.4	983.7	952.0	950.2
Declared Power Input D_B		kW	268.5	269.6	258.3	259.4
Declared $EER_{DC,B}$			3.67	3.65	3.69	3.66
Declared Refrigerant Capacity P_C	1,3,5	kW	914.4	912.9	883.5	881.9
Declared Power Input D_C		kW	196.1	196.3	187.8	188.1
Declared $EER_{DC,C}$			4.66	4.65	4.70	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	843.4	842.2	814.9	813.6
Declared Power Input D_D		kW	85.4	80.8	81.5	76.9
Declared $EER_{DC,D}$			9.88	10.43	9.99	10.58
SSCEE	2,3,5	%	153.69%	155.19%	154.84%	156.12%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC108R22-99HS6, OFC113R22-09MS6

Ecodesign

	Notes:	Units	OFC108R22-99HS6		OFC113R22-09MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.09	6.19	5.96	6.06
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1298147.1	1271355.7	1365688.7	1338241.1
Rated Refrigerant Capacity P_A	1,3,5	kW	1058.0	1056.0	1089.6	1087.7
Rated Power Input D_A		kW	367.3	369.7	405.0	407.5
Rated $EER_{DC,A}$			2.88	2.86	2.69	2.67
Declared Refrigerant Capacity P_B	1,3,5	kW	986.9	985.1	1016.3	1014.7
Declared Power Input D_B		kW	264.3	265.3	292.1	293.4
Declared $EER_{DC,B}$			3.73	3.71	3.48	3.46
Declared Refrigerant Capacity P_C	1,3,5	kW	915.8	914.2	943.1	941.7
Declared Power Input D_C		kW	193.1	193.2	207.3	207.7
Declared $EER_{DC,C}$			4.74	4.73	4.55	4.53
Declared Refrigerant Capacity P_D	1,3,5	kW	844.7	843.4	869.8	868.7
Declared Power Input D_D		kW	84.5	79.7	83.7	78.8
Declared $EER_{DC,D}$			10.00	10.58	10.39	11.02
SSCEE	2,3,5	%	157.07%	158.67%	142.71%	143.84%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

OFC119R22-00MS7, OFC126R22-11MS8

Ecodesign

	Notes:	Units	OFC119R22-00MS7		OFC126R22-11MS8	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.79	5.88	6.02	6.13
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1436307.9	1409665.6	1493609.6	1461720.1
Rated Refrigerant Capacity P_A	1,3,5	kW	1113.2	1111.0	1202.7	1200.8
Rated Power Input D_A		kW	430.1	432.6	470.7	473.3
Rated $EER_{DC,A}$			2.59	2.57	2.55	2.54
Declared Refrigerant Capacity P_B	1,3,5	kW	1038.4	1036.5	1121.8	1120.2
Declared Power Input D_B		kW	314.8	316.2	332.8	334.2
Declared $EER_{DC,B}$			3.30	3.28	3.37	3.35
Declared Refrigerant Capacity P_C	1,3,5	kW	963.6	962.0	1040.9	1039.6
Declared Power Input D_C		kW	221.8	222.5	228.1	228.5
Declared $EER_{DC,C}$			4.34	4.32	4.56	4.55
Declared Refrigerant Capacity P_D	1,3,5	kW	888.8	887.5	960.0	959.0
Declared Power Input D_D		kW	85.0	80.2	88.1	82.5
Declared $EER_{DC,D}$			10.45	11.07	10.90	11.62
SSCEE	2,3,5	%	140.54%	141.71%	146.63%	148.49%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC077R16-66ML1, OFC077R16-66HL1

Ecodesign

	Notes:	Units	OFC077R16-66ML1		OFC077R16-66HL1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.24	6.29	5.97	6.04
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	851825.4	841526.6	885844.6	871688.3
Rated Refrigerant Capacity P_A	1,3,5	kW	712.6	710.1	708.5	706.1
Rated Power Input D_A		kW	245.1	247.4	243.9	246.2
Rated $EER_{DC,A}$			2.91	2.87	2.90	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	664.7	662.5	660.9	658.7
Declared Power Input D_B		kW	171.5	172.9	178.9	180.3
Declared $EER_{DC,B}$			3.88	3.83	3.69	3.65
Declared Refrigerant Capacity P_C	1,3,5	kW	616.9	614.8	613.3	611.3
Declared Power Input D_C		kW	125.6	126.4	131.0	131.9
Declared $EER_{DC,C}$			4.91	4.87	4.68	4.64
Declared Refrigerant Capacity P_D	1,3,5	kW	569.0	567.2	565.8	563.9
Declared Power Input D_D		kW	56.5	54.0	58.6	55.4
Declared $EER_{DC,D}$			10.07	10.50	9.65	10.19
SSCEE	2,3,5	%	155.66%	154.78%	151.35%	150.50%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC081R16-76ML2, OFC082R16-76HL2

Ecodesign

	Notes:	Units	OFC081R16-76ML2		OFC082R16-76HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.29	6.35	5.83	5.90
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	911153.2	899217.3	972282.1	956730.8
Rated Refrigerant Capacity P_A	1,3,5	kW	766.9	764.4	758.8	756.4
Rated Power Input D_A		kW	264.8	267.2	266.0	268.4
Rated $EER_{DC,A}$			2.90	2.86	2.85	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	715.3	713.0	707.8	705.6
Declared Power Input D_B		kW	188.9	190.5	198.6	200.1
Declared $EER_{DC,B}$			3.79	3.74	3.56	3.53
Declared Refrigerant Capacity P_C	1,3,5	kW	663.8	661.7	656.8	654.8
Declared Power Input D_C		kW	136.0	136.9	143.9	144.8
Declared $EER_{DC,C}$			4.88	4.83	4.57	4.52
Declared Refrigerant Capacity P_D	1,3,5	kW	612.2	610.3	605.8	604.0
Declared Power Input D_D		kW	58.3	55.5	63.7	60.2
Declared $EER_{DC,D}$			10.50	11.00	9.51	10.04

SSCEE	2,3,5	%	150.10%	149.37%	143.20%	142.52%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC087R16-77ML2, OFC087R16-77HL2

Ecodesign

	Notes:	Units	OFC087R16-77ML2		OFC087R16-77HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.14	6.20	5.62	5.69
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	990981.4	977297.9	1065676.6	1048503.9
Rated Refrigerant Capacity P_A	1,3,5	kW	814.0	811.2	801.6	798.9
Rated Power Input D_A		kW	282.8	285.3	286.3	288.8
Rated $EER_{DC,A}$			2.88	2.84	2.80	2.77
Declared Refrigerant Capacity P_B	1,3,5	kW	759.2	756.7	747.7	745.2
Declared Power Input D_B		kW	204.8	206.3	216.5	218.0
Declared $EER_{DC,B}$			3.71	3.67	3.45	3.42
Declared Refrigerant Capacity P_C	1,3,5	kW	704.5	702.2	693.7	691.5
Declared Power Input D_C		kW	149.2	150.2	160.1	161.2
Declared $EER_{DC,C}$			4.72	4.67	4.33	4.29
Declared Refrigerant Capacity P_D	1,3,5	kW	649.7	647.6	639.8	637.8
Declared Power Input D_D		kW	62.8	59.6	68.7	64.9
Declared $EER_{DC,D}$			10.35	10.86	9.31	9.82
SSCEE	2,3,5	%	148.35%	147.86%	140.45%	139.97%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC078R18-66ML1, OFC078R18-66HL1

Ecodesign

	Notes:	Units	OFC078R18-66ML1		OFC078R18-66HL1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.40	6.46	6.11	6.20
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	836509.3	825027.9	869962.1	854458.1
Rated Refrigerant Capacity P_A	1,3,5	kW	718.0	715.7	713.7	711.4
Rated Power Input D_A		kW	241.3	243.5	240.2	242.3
Rated $EER_{DC,A}$			2.98	2.94	2.97	2.94
Declared Refrigerant Capacity P_B	1,3,5	kW	669.8	667.7	665.8	663.7
Declared Power Input D_B		kW	168.9	170.2	176.4	177.7
Declared $EER_{DC,B}$			3.97	3.92	3.77	3.74
Declared Refrigerant Capacity P_C	1,3,5	kW	621.7	619.7	617.9	616.1
Declared Power Input D_C		kW	123.8	124.4	129.2	129.9
Declared $EER_{DC,C}$			5.02	4.98	4.78	4.74
Declared Refrigerant Capacity P_D	1,3,5	kW	573.5	571.8	570.1	568.4
Declared Power Input D_D		kW	55.3	52.7	57.3	54.0
Declared $EER_{DC,D}$			10.37	10.85	9.94	10.53

SSCEE	2,3,5	%	160.64%	160.01%	156.07%	155.44%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC083R18-76ML2, OFC083R18-76HL2

Ecodesign

	Notes:	Units	OFC083R18-76ML2		OFC083R18-76HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.46	6.53	5.98	6.05
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	892906.8	880342.8	953403.0	939116.0
Rated Refrigerant Capacity P_A	1,3,5	kW	773.1	770.7	764.9	762.6
Rated Power Input D_A		kW	260.6	262.8	261.8	264.1
Rated $EER_{DC,A}$			2.97	2.93	2.92	2.89
Declared Refrigerant Capacity P_B	1,3,5	kW	721.2	719.0	713.5	711.5
Declared Power Input D_B		kW	186.1	187.4	195.8	197.1
Declared $EER_{DC,B}$			3.88	3.84	3.64	3.61
Declared Refrigerant Capacity P_C	1,3,5	kW	669.3	667.3	662.2	660.3
Declared Power Input D_C		kW	133.8	134.6	141.8	142.6
Declared $EER_{DC,C}$			5.00	4.96	4.67	4.63
Declared Refrigerant Capacity P_D	1,3,5	kW	617.4	615.6	610.8	609.2
Declared Power Input D_D		kW	56.9	54.1	62.1	58.9
Declared $EER_{DC,D}$			10.85	11.39	9.83	10.34
SSCEE	2,3,5	%	155.24%	154.74%	147.85%	147.39%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC088R18-77ML2, OFC088R18-77HL2

Ecodesign

	Notes:	Units	OFC088R18-77ML2		OFC088R18-77HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.32	6.39	5.78	5.84
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	969424.8	955541.9	1044445.2	1028375.5
Rated Refrigerant Capacity P_A	1,3,5	kW	821.0	818.4	808.4	805.9
Rated Power Input D_A		kW	278.2	280.5	281.8	284.1
Rated $EER_{DC,A}$			2.95	2.92	2.87	2.84
Declared Refrigerant Capacity P_B	1,3,5	kW	765.9	763.5	754.1	751.8
Declared Power Input D_B		kW	201.7	203.0	213.3	214.7
Declared $EER_{DC,B}$			3.80	3.76	3.53	3.50
Declared Refrigerant Capacity P_C	1,3,5	kW	710.7	708.6	699.8	697.7
Declared Power Input D_C		kW	146.5	147.5	157.6	158.6
Declared $EER_{DC,C}$			4.85	4.81	4.44	4.40
Declared Refrigerant Capacity P_D	1,3,5	kW	655.6	653.6	645.5	643.6
Declared Power Input D_D		kW	61.1	58.0	67.0	63.5
Declared $EER_{DC,D}$			10.72	11.26	9.63	10.13
SSCEE	2,3,5	%	153.76%	153.52%	145.26%	145.00%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC092R18-87ML3, OFC094R18-87ML5

Ecodesign

	Notes:	Units	OFC092R18-87ML3		OFC094R18-87ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.06	6.16	6.16	6.25
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1073148.1	1053375.9	1076325.1	1057179.1
Rated Refrigerant Capacity P_A	1,3,5	kW	871.6	869.2	888.7	886.2
Rated Power Input D_A		kW	304.5	307.1	306.3	309.0
Rated $EER_{DC,A}$			2.86	2.83	2.90	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	813.0	810.9	829.0	826.8
Declared Power Input D_B		kW	217.5	218.9	219.1	220.5
Declared $EER_{DC,B}$			3.74	3.70	3.78	3.75
Declared Refrigerant Capacity P_C	1,3,5	kW	754.5	752.5	769.3	767.3
Declared Power Input D_C		kW	157.6	158.4	159.0	159.8
Declared $EER_{DC,C}$			4.79	4.75	4.84	4.80
Declared Refrigerant Capacity P_D	1,3,5	kW	695.9	694.2	709.6	707.8
Declared Power Input D_D		kW	71.2	66.9	70.8	66.7
Declared $EER_{DC,D}$			9.78	10.37	10.03	10.61
SSCEE	2,3,5	%	152.17%	152.08%	154.63%	154.61%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC092R18-87HL3, OFC094R18-87HL5

Ecodesign

	Notes:	Units	OFC092R18-87HL3		OFC094R18-87HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.94	6.04	6.05	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1084734.8	1063826.5	1085358.7	1064783.2
Rated Refrigerant Capacity P_A	1,3,5	kW	863.4	861.0	880.3	877.9
Rated Power Input D_A		kW	302.1	304.7	303.9	306.4
Rated $EER_{DC,A}$			2.86	2.83	2.90	2.86
Declared Refrigerant Capacity P_B	1,3,5	kW	805.4	803.2	821.2	819.0
Declared Power Input D_B		kW	220.1	221.5	221.6	223.1
Declared $EER_{DC,B}$			3.66	3.63	3.71	3.67
Declared Refrigerant Capacity P_C	1,3,5	kW	747.3	745.4	762.1	760.1
Declared Power Input D_C		kW	163.7	164.6	165.2	166.0
Declared $EER_{DC,C}$			4.56	4.53	4.61	4.58
Declared Refrigerant Capacity P_D	1,3,5	kW	689.3	687.6	702.9	701.2
Declared Power Input D_D		kW	69.7	65.4	68.8	64.6
Declared $EER_{DC,D}$			9.89	10.52	10.21	10.85
SSCEE	2,3,5	%	153.20%	153.10%	155.62%	155.59%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC096R18-88ML3, OFC099R18-88ML5

Ecodesign

	Notes:	Units	OFC096R18-88ML3		OFC099R18-88ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.90	5.99	6.00	6.09
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1157016.2	1135259.0	1160586.0	1139430.9
Rated Refrigerant Capacity P_A	1,3,5	kW	913.5	911.0	932.2	929.7
Rated Power Input D_A		kW	329.7	332.5	331.7	334.5
Rated $EER_{DC,A}$			2.77	2.74	2.81	2.78
Declared Refrigerant Capacity P_B	1,3,5	kW	852.1	849.9	869.6	867.2
Declared Power Input D_B		kW	234.5	236.0	236.4	237.9
Declared $EER_{DC,B}$			3.63	3.60	3.68	3.65
Declared Refrigerant Capacity P_C	1,3,5	kW	790.7	788.7	806.9	804.8
Declared Power Input D_C		kW	171.0	171.8	172.6	173.3
Declared $EER_{DC,C}$			4.62	4.59	4.68	4.64
Declared Refrigerant Capacity P_D	1,3,5	kW	729.3	727.5	744.3	742.4
Declared Power Input D_D		kW	76.0	71.5	75.5	71.2
Declared $EER_{DC,D}$			9.60	10.18	9.86	10.43
SSCEE	2,3,5	%	149.60%	149.71%	152.05%	152.24%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC096R18-88HL3, OFC099R18-88HL5

Ecodesign

	Notes:	Units	OFC096R18-88HL3		OFC099R18-88HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.97	6.06	6.08	6.18
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1140195.6	1117564.1	1141488.6	1119105.2
Rated Refrigerant Capacity P_A	1,3,5	kW	910.5	908.0	929.4	926.8
Rated Power Input D_A		kW	321.5	324.2	323.5	326.2
Rated $EER_{DC,A}$			2.83	2.80	2.87	2.84
Declared Refrigerant Capacity P_B	1,3,5	kW	849.3	847.0	867.0	864.6
Declared Power Input D_B		kW	230.5	232.0	232.4	233.9
Declared $EER_{DC,B}$			3.68	3.65	3.73	3.70
Declared Refrigerant Capacity P_C	1,3,5	kW	788.1	786.0	804.5	802.4
Declared Power Input D_C		kW	168.0	168.8	169.6	170.4
Declared $EER_{DC,C}$			4.69	4.66	4.74	4.71
Declared Refrigerant Capacity P_D	1,3,5	kW	726.9	725.1	742.1	740.2
Declared Power Input D_D		kW	75.3	70.6	74.4	69.8
Declared $EER_{DC,D}$			9.65	10.26	9.97	10.60
SSCEE	2,3,5	%	152.43%	152.55%	154.94%	155.15%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC103R18-99ML4, OFC106R18-99ML5

Ecodesign

	Notes:	Units	OFC103R18-99ML4		OFC106R18-99ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.79	5.89	5.80	5.90
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1312397.7	1285154.8	1336652.7	1309335.5
Rated Refrigerant Capacity P_A	1,3,5	kW	1016.9	1014.3	1036.3	1033.6
Rated Power Input D_A		kW	379.7	382.8	384.2	387.3
Rated $EER_{DC,A}$			2.68	2.65	2.70	2.67
Declared Refrigerant Capacity P_B	1,3,5	kW	948.5	946.2	966.5	964.2
Declared Power Input D_B		kW	268.0	269.7	272.2	273.9
Declared $EER_{DC,B}$			3.54	3.51	3.55	3.52
Declared Refrigerant Capacity P_C	1,3,5	kW	880.2	878.1	896.8	894.7
Declared Power Input D_C		kW	194.7	195.5	198.5	199.2
Declared $EER_{DC,C}$			4.52	4.49	4.52	4.49
Declared Refrigerant Capacity P_D	1,3,5	kW	811.8	810.0	827.0	825.2
Declared Power Input D_D		kW	85.4	80.0	86.7	81.3
Declared $EER_{DC,D}$			9.50	10.13	9.54	10.15
SSCEE	2,3,5	%	147.19%	147.59%	145.75%	146.29%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC111R18-09ML5, OFC117R18-00ML6

Ecodesign

	Notes:	Units	OFC111R18-09ML5		OFC117R18-00ML6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.75	5.86	5.64	5.73
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1391276.7	1362059.4	1457372.7	1427195.4
Rated Refrigerant Capacity P_A	1,3,5	kW	1069.6	1067.0	1099.4	1096.4
Rated Power Input D_A		kW	413.5	416.7	438.6	441.9
Rated $EER_{DC,A}$			2.59	2.56	2.51	2.48
Declared Refrigerant Capacity P_B	1,3,5	kW	997.5	995.3	1025.5	1022.8
Declared Power Input D_B		kW	297.3	299.2	319.6	321.7
Declared $EER_{DC,B}$			3.36	3.33	3.21	3.18
Declared Refrigerant Capacity P_C	1,3,5	kW	925.5	923.5	951.6	949.2
Declared Power Input D_C		kW	210.2	211.1	224.3	225.5
Declared $EER_{DC,C}$			4.40	4.37	4.24	4.21
Declared Refrigerant Capacity P_D	1,3,5	kW	853.5	851.8	877.7	875.6
Declared Power Input D_D		kW	85.5	79.8	86.5	80.5
Declared $EER_{DC,D}$			9.99	10.68	10.15	10.87
SSCEE	2,3,5	%	135.24%	135.51%	135.53%	135.83%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC124R18-11ML7

Ecodesign

	Notes:	Units	OFC124R18-11ML7 2 Row	OFC124R18-11ML7 3 Row
SEPR	1,3,5		5.87	5.98
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1509768.7	1472776.3
Rated Refrigerant Capacity P_A	1,3,5	kW	1184.6	1179.2
Rated Power Input D_A		kW	479.2	481.9
Rated $EER_{DC,A}$			2.47	2.45
Declared Refrigerant Capacity P_B	1,3,5	kW	1104.9	1100.0
Declared Power Input D_B		kW	336.3	337.4
Declared $EER_{DC,B}$			3.29	3.26
Declared Refrigerant Capacity P_C	1,3,5	kW	1025.2	1020.8
Declared Power Input D_C		kW	229.6	230.0
Declared $EER_{DC,C}$			4.47	4.44
Declared Refrigerant Capacity P_D	1,3,5	kW	945.5	941.6
Declared Power Input D_D		kW	89.4	82.9
Declared $EER_{DC,D}$			10.57	11.35
SSCEE	2,3,5	%	141.71%	142.54%
SSCEE Tier	6		Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 35°C			n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 30°C			n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 25°C			n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 20°C			n/a	n/a
Sound Power Level		dB(A)	n/a	n/a
Air Volume		m^3/h	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a

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

Technical Data

OFC078R20-66ML1, OFC078R20-66HL1

Ecodesign

	Notes:	Units	OFC078R20-66ML1		OFC078R20-66HL1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.47	6.36	6.19	6.05
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	831187.9	842612.6	863663.0	879289.6
Rated Refrigerant Capacity P_A	1,3,5	kW	721.0	718.9	716.5	714.5
Rated Power Input D_A		kW	239.1	241.1	238.0	239.9
Rated $EER_{DC,A}$			3.02	2.98	3.01	2.98
Declared Refrigerant Capacity P_B	1,3,5	kW	672.7	670.7	668.5	666.6
Declared Power Input D_B		kW	167.6	168.8	175.1	176.3
Declared $EER_{DC,B}$			4.01	3.97	3.82	3.78
Declared Refrigerant Capacity P_C	1,3,5	kW	624.3	622.5	620.4	618.7
Declared Power Input D_C		kW	123.1	123.6	128.4	129.0
Declared $EER_{DC,C}$			5.07	5.04	4.83	4.80
Declared Refrigerant Capacity P_D	1,3,5	kW	575.9	574.3	572.4	570.8
Declared Power Input D_D		kW	55.0	56.7	56.8	59.3
Declared $EER_{DC,D}$			10.48	10.13	10.07	9.63
SSCEE	2,3,5	%	162.08%	161.74%	157.45%	157.09%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	725.5	722.8	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	721.0	718.9	n/a	n/a
Declared EER_d 35°C			3.02	2.98	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	530.1	528.7	n/a	n/a
Declared EER_d 30°C			3.57	3.53	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	339.2	338.5	n/a	n/a
Declared EER_d 25°C			4.82	4.80	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	148.3	148.3	n/a	n/a
Declared EER_d 20°C			5.07	5.06	n/a	n/a
Sound Power Level		dB(A)	102	102	n/a	n/a
Air Volume		m³/h	365950	349643	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	4.472	3.891	n/a	n/a
Standby Mode P_{SB}		kW	0.924	0.924	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.924	0.924	n/a	n/a

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

Technical Data

OFC083R20-76ML2, OFC084R20-76HL2

Ecodesign

	Notes:	Units	OFC083R20-76ML2		OFC084R20-76HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.53	6.47	6.05	5.97
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	887834.1	891638.1	948032.0	956279.3
Rated Refrigerant Capacity P_A	1,3,5	kW	776.5	774.3	768.1	766.1
Rated Power Input D_A		kW	258.2	260.3	259.5	261.5
Rated $EER_{DC,A}$			3.01	2.98	2.96	2.93
Declared Refrigerant Capacity P_B	1,3,5	kW	724.3	722.4	716.6	714.7
Declared Power Input D_B		kW	184.7	185.9	194.4	195.6
Declared $EER_{DC,B}$			3.92	3.89	3.69	3.65
Declared Refrigerant Capacity P_C	1,3,5	kW	672.2	670.4	665.0	663.3
Declared Power Input D_C		kW	133.0	133.6	140.9	141.6
Declared $EER_{DC,C}$			5.05	5.02	4.72	4.68
Declared Refrigerant Capacity P_D	1,3,5	kW	620.1	618.5	613.4	611.9
Declared Power Input D_D		kW	56.6	56.9	61.8	62.9
Declared $EER_{DC,D}$			10.95	10.87	9.93	9.73
SSCEE	2,3,5	%	156.65%	156.45%	149.13%	148.94%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC089R20-77ML2, OFC089R20-77HL2

Ecodesign

	Notes:	Units	OFC089R20-77ML2		OFC089R20-77HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.40	6.38	5.84	5.80
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	963155.7	962099.0	1037861.1	1040720.7
Rated Refrigerant Capacity P_A	1,3,5	kW	824.8	822.4	812.1	809.8
Rated Power Input D_A		kW	275.8	277.8	279.3	281.4
Rated $EER_{DC,A}$			2.99	2.96	2.91	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	769.4	767.2	757.5	755.4
Declared Power Input D_B		kW	200.3	201.4	211.9	213.1
Declared $EER_{DC,B}$			3.84	3.81	3.57	3.55
Declared Refrigerant Capacity P_C	1,3,5	kW	714.0	712.0	703.0	701.1
Declared Power Input D_C		kW	145.5	146.3	156.7	157.4
Declared $EER_{DC,C}$			4.91	4.87	4.49	4.45
Declared Refrigerant Capacity P_D	1,3,5	kW	658.6	656.8	648.4	646.7
Declared Power Input D_D		kW	60.7	60.1	66.6	66.7
Declared $EER_{DC,D}$			10.84	10.93	9.74	9.70
SSCEE	2,3,5	%	155.05%	155.14%	146.43%	146.46%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC093R20-87ML3, OFC095R20-87ML5

Ecodesign

	Notes:	Units	OFC093R20-87ML3		OFC095R20-87ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.13	6.15	6.24	6.26
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1066514.5	1059486.8	1068465.3	1060934.4
Rated Refrigerant Capacity P_A	1,3,5	kW	875.7	873.6	893.0	890.8
Rated Power Input D_A		kW	301.7	304.0	303.5	305.8
Rated $EER_{DC,A}$			2.90	2.87	2.94	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	816.8	814.9	833.0	831.0
Declared Power Input D_B		kW	216.0	217.2	217.6	218.8
Declared $EER_{DC,B}$			3.78	3.75	3.83	3.80
Declared Refrigerant Capacity P_C	1,3,5	kW	758.0	756.3	773.0	771.2
Declared Power Input D_C		kW	156.7	157.3	158.1	158.7
Declared $EER_{DC,C}$			4.84	4.81	4.89	4.86
Declared Refrigerant Capacity P_D	1,3,5	kW	699.1	697.6	713.0	711.5
Declared Power Input D_D		kW	70.7	69.0	70.1	68.3
Declared $EER_{DC,D}$			9.89	10.12	10.18	10.42
SSCEE	2,3,5	%	153.44%	153.72%	155.93%	156.29%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC093R20-87HL3, OFC095R20-87HL5

Ecodesign

	Notes:	Units	OFC093R20-87HL3		OFC095R20-87HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.01	6.02	6.12	6.14
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1078329.9	1071855.7	1079837.7	1071527.0
Rated Refrigerant Capacity P_A	1,3,5	kW	867.4	865.3	884.6	882.3
Rated Power Input D_A		kW	299.3	301.6	301.1	303.4
Rated $EER_{DC,A}$			2.90	2.87	2.94	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	809.1	807.2	825.1	823.1
Declared Power Input D_B		kW	218.5	219.8	220.1	221.3
Declared $EER_{DC,B}$			3.70	3.67	3.75	3.72
Declared Refrigerant Capacity P_C	1,3,5	kW	750.8	749.1	765.7	763.9
Declared Power Input D_C		kW	162.8	163.5	164.3	165.0
Declared $EER_{DC,C}$			4.61	4.58	4.66	4.63
Declared Refrigerant Capacity P_D	1,3,5	kW	692.5	691.0	706.3	704.7
Declared Power Input D_D		kW	69.3	67.7	68.5	66.7
Declared $EER_{DC,D}$			10.00	10.21	10.30	10.57

SSCEE	2,3,5	%	154.47%	154.72%	156.91%	157.26%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC097R20-88ML3, OFC100R20-88ML5

Ecodesign

	Notes:	Units	OFC097R20-88ML3		OFC100R20-88ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.97	6.01	6.07	6.12
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1150064.4	1137487.6	1152751.4	1139383.6
Rated Refrigerant Capacity P_A	1,3,5	kW	918.0	915.7	936.9	934.6
Rated Power Input D_A		kW	326.5	329.0	328.5	331.0
Rated $EER_{DC,A}$			2.81	2.78	2.85	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	856.2	854.2	873.9	871.8
Declared Power Input D_B		kW	232.8	234.1	234.7	236.0
Declared $EER_{DC,B}$			3.68	3.65	3.72	3.69
Declared Refrigerant Capacity P_C	1,3,5	kW	794.5	792.7	811.0	809.1
Declared Power Input D_C		kW	170.2	170.7	171.7	172.3
Declared $EER_{DC,C}$			4.67	4.64	4.72	4.70
Declared Refrigerant Capacity P_D	1,3,5	kW	732.7	731.2	748.0	746.3
Declared Power Input D_D		kW	75.4	72.8	74.8	72.1
Declared $EER_{DC,D}$			9.72	10.04	10.00	10.36
SSCEE	2,3,5	%	150.79%	151.28%	153.26%	153.85%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

OFC097R20-88HL3, OFC100R20-88HL5

Ecodesign

	Notes:	Units	OFC097R20-88HL3		OFC100R20-88HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.03	6.08	6.14	6.20
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1133548.6	1120819.7	1135982.7	1121465.9
Rated Refrigerant Capacity P_A	1,3,5	kW	914.9	912.6	934.1	931.7
Rated Power Input D_A		kW	318.4	320.8	320.4	322.8
Rated $EER_{DC,A}$			2.87	2.84	2.92	2.89
Declared Refrigerant Capacity P_B	1,3,5	kW	853.4	851.3	871.3	869.2
Declared Power Input D_B		kW	228.9	230.2	230.8	232.0
Declared $EER_{DC,B}$			3.73	3.70	3.78	3.75
Declared Refrigerant Capacity P_C	1,3,5	kW	791.8	790.0	808.5	806.6
Declared Power Input D_C		kW	167.2	167.7	168.8	169.3
Declared $EER_{DC,C}$			4.74	4.71	4.79	4.76
Declared Refrigerant Capacity P_D	1,3,5	kW	730.3	728.7	745.7	744.0
Declared Power Input D_D		kW	74.8	72.1	74.1	71.2
Declared $EER_{DC,D}$			9.77	10.10	10.06	10.46
SSCEE	2,3,5	%	153.64%	154.15%	156.17%	156.79%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC104R20-99ML4, OFC108R20-99ML5

Ecodesign

	Notes:	Units	OFC104R20-99ML4		OFC108R20-99ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.86	5.94	5.87	5.97
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1304295.2	1280561.7	1328303.1	1301945.4
Rated Refrigerant Capacity P_A	1,3,5	kW	1022.4	1020.1	1042.1	1039.8
Rated Power Input D_A		kW	375.9	378.6	380.4	383.1
Rated $EER_{DC,A}$			2.72	2.69	2.74	2.71
Declared Refrigerant Capacity P_B	1,3,5	kW	953.7	951.6	971.9	969.8
Declared Power Input D_B		kW	266.1	267.5	270.4	271.7
Declared $EER_{DC,B}$			3.58	3.56	3.59	3.57
Declared Refrigerant Capacity P_C	1,3,5	kW	884.9	883.1	901.8	899.9
Declared Power Input D_C		kW	193.8	194.3	197.6	198.0
Declared $EER_{DC,C}$			4.57	4.54	4.56	4.54
Declared Refrigerant Capacity P_D	1,3,5	kW	816.2	814.6	831.6	830.0
Declared Power Input D_D		kW	84.7	80.1	85.9	81.0
Declared $EER_{DC,D}$			9.64	10.16	9.68	10.25
SSCEE	2,3,5	%	148.38%	149.21%	146.85%	147.83%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC104R20-99HL4, OFC108R20-99HL6

Ecodesign

	Notes:	Units	OFC104R20-99HL4		OFC108R20-99HL6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.95	6.05	6.06	6.17
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1285266.5	1260348.0	1287663.4	1259873.5
Rated Refrigerant Capacity P_A	1,3,5	kW	1023.5	1021.1	1045.0	1042.5
Rated Power Input D_A		kW	366.9	369.5	369.0	371.6
Rated $EER_{DC,A}$			2.79	2.76	2.83	2.81
Declared Refrigerant Capacity P_B	1,3,5	kW	954.7	952.6	974.8	972.5
Declared Power Input D_B		kW	262.0	263.3	263.9	265.2
Declared $EER_{DC,B}$			3.64	3.62	3.69	3.67
Declared Refrigerant Capacity P_C	1,3,5	kW	885.9	884.0	904.5	902.6
Declared Power Input D_C		kW	190.6	191.1	192.2	192.7
Declared $EER_{DC,C}$			4.65	4.63	4.71	4.68
Declared Refrigerant Capacity P_D	1,3,5	kW	817.1	815.5	834.3	832.7
Declared Power Input D_D		kW	83.7	79.0	83.1	77.9
Declared $EER_{DC,D}$			9.76	10.33	10.04	10.69
SSCEE	2,3,5	%	151.57%	152.47%	154.55%	155.58%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC113R20-09ML5, OFC119R20-00ML6

Ecodesign

	Notes:	Units	OFC113R20-09ML5		OFC119R20-00ML6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.83	5.93	5.72	5.82
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1381909.5	1352717.5	1446610.1	1415010.6
Rated Refrigerant Capacity P_A	1,3,5	kW	1076.0	1073.7	1106.4	1103.9
Rated Power Input D_A		kW	409.5	412.4	434.5	437.4
Rated $EER_{DC,A}$			2.63	2.60	2.55	2.52
Declared Refrigerant Capacity P_B	1,3,5	kW	1003.5	1001.5	1032.0	1029.8
Declared Power Input D_B		kW	295.1	296.7	317.2	318.9
Declared $EER_{DC,B}$			3.40	3.38	3.25	3.23
Declared Refrigerant Capacity P_C	1,3,5	kW	931.0	929.3	957.6	955.7
Declared Power Input D_C		kW	209.1	209.8	222.8	223.8
Declared $EER_{DC,C}$			4.45	4.43	4.30	4.27
Declared Refrigerant Capacity P_D	1,3,5	kW	858.5	857.0	883.2	881.6
Declared Power Input D_D		kW	84.7	79.2	85.6	79.7
Declared $EER_{DC,D}$			10.14	10.82	10.31	11.06
SSCEE	2,3,5	%	136.45%	137.14%	136.81%	137.54%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC126R20-11ML7, OFC079R22-66ML1

Ecodesign

	Notes:	Units	OFC126R20-11ML7		OFC079R22-66ML1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.95	6.08	6.52	6.58
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1501876.9	1464528.5	826717.1	816838.5
Rated Refrigerant Capacity P_A	1,3,5	kW	1195.0	1192.7	723.1	721.1
Rated Power Input D_A		kW	475.3	478.4	237.4	239.2
Rated $EER_{DC,A}$			2.51	2.49	3.05	3.01
Declared Refrigerant Capacity P_B	1,3,5	kW	1114.6	1112.6	674.6	672.8
Declared Power Input D_B		kW	334.7	336.5	166.5	167.5
Declared $EER_{DC,B}$			3.33	3.31	4.05	4.02
Declared Refrigerant Capacity P_C	1,3,5	kW	1034.2	1032.5	626.1	624.5
Declared Power Input D_C		kW	228.8	229.6	122.5	122.9
Declared $EER_{DC,C}$			4.52	4.50	5.11	5.08
Declared Refrigerant Capacity P_D	1,3,5	kW	953.8	952.3	577.6	576.1
Declared Power Input D_D		kW	88.6	81.8	54.6	52.5
Declared $EER_{DC,D}$			10.77	11.64	10.57	10.97
SSCEE	2,3,5	%	142.87%	144.16%	163.19%	163.13%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	727.8	725.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	723.1	721.1
Declared EER_d 35°C			n/a	n/a	3.05	3.01
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	531.6	530.3
Declared EER_d 30°C			n/a	n/a	3.60	3.57
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	340.1	339.5
Declared EER_d 25°C			n/a	n/a	4.86	4.85
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	148.6	148.7
Declared EER_d 20°C			n/a	n/a	5.10	5.10
Sound Power Level		dB(A)	n/a	n/a	101	102
Air Volume		m^3/h	n/a	n/a	402545	384607
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a		
Standby Mode P_{SB}		kW	n/a	n/a	0.934	0.934
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.934	0.934

(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

OFC079R22-66HL1, OFC084R22-76ML2

Ecodesign

	Notes:	Units	OFC079R22-66HL1		OFC084R22-76ML2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.23	6.31	6.59	6.64
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	860346.6	845471.7	882659.9	872229.8
Rated Refrigerant Capacity P_A	1,3,5	kW	718.5	716.6	778.8	776.8
Rated Power Input D_A		kW	236.3	238.0	256.4	258.2
Rated $EER_{DC,A}$			3.04	3.01	3.04	3.01
Declared Refrigerant Capacity P_B	1,3,5	kW	670.3	668.6	726.5	724.7
Declared Power Input D_B		kW	174.0	175.0	183.5	184.6
Declared $EER_{DC,B}$			3.85	3.82	3.96	3.93
Declared Refrigerant Capacity P_C	1,3,5	kW	622.1	620.5	674.2	672.5
Declared Power Input D_C		kW	127.8	128.2	132.3	132.8
Declared $EER_{DC,C}$			4.87	4.84	5.10	5.06
Declared Refrigerant Capacity P_D	1,3,5	kW	573.9	572.5	621.9	620.4
Declared Power Input D_D		kW	56.7	53.7	56.2	54.0
Declared $EER_{DC,D}$			10.12	10.67	11.06	11.48
SSCEE	2,3,5	%	158.53%	158.43%	157.73%	157.82%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC084R22-76HL2, OFC089R22-77ML2

Ecodesign

	Notes:	Units	OFC084R22-76HL2		OFC089R22-77ML2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.10	6.17	6.45	6.51
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	942660.3	928370.6	957930.2	946345.3
Rated Refrigerant Capacity P_A	1,3,5	kW	770.3	768.4	827.4	825.2
Rated Power Input D_A		kW	257.6	259.5	273.9	275.7
Rated $EER_{DC,A}$			2.99	2.96	3.02	2.99
Declared Refrigerant Capacity P_B	1,3,5	kW	718.6	716.8	771.8	769.8
Declared Power Input D_B		kW	193.3	194.3	199.1	200.1
Declared $EER_{DC,B}$			3.72	3.69	3.88	3.85
Declared Refrigerant Capacity P_C	1,3,5	kW	666.8	665.3	716.2	714.4
Declared Power Input D_C		kW	140.2	140.8	144.7	145.3
Declared $EER_{DC,C}$			4.76	4.73	4.95	4.92
Declared Refrigerant Capacity P_D	1,3,5	kW	615.1	613.7	660.6	659.0
Declared Power Input D_D		kW	61.4	58.4	60.4	58.0
Declared $EER_{DC,D}$			10.02	10.50	10.93	11.36
SSCEE	2,3,5	%	150.13%	150.19%	156.03%	156.44%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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Technical Data

OFC090R22-77HL2, OFC093R22-87ML3

Ecodesign

	Notes:	Units	OFC090R22-77HL2		OFC093R22-87ML3	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.89	5.96	6.18	6.27
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1032452.5	1016853.4	1061675.9	1042583.7
Rated Refrigerant Capacity P_A	1,3,5	kW	814.5	812.4	878.4	876.4
Rated Power Input D_A		kW	277.4	279.2	299.5	301.6
Rated $EER_{DC,A}$			2.94	2.91	2.93	2.91
Declared Refrigerant Capacity P_B	1,3,5	kW	759.7	757.8	819.3	817.6
Declared Power Input D_B		kW	210.7	211.7	214.7	215.8
Declared $EER_{DC,B}$			3.61	3.58	3.82	3.79
Declared Refrigerant Capacity P_C	1,3,5	kW	705.0	703.3	760.3	758.7
Declared Power Input D_C		kW	155.9	156.5	155.9	156.4
Declared $EER_{DC,C}$			4.52	4.50	4.88	4.85
Declared Refrigerant Capacity P_D	1,3,5	kW	650.3	648.8	701.2	699.9
Declared Power Input D_D		kW	66.2	63.1	70.4	66.6
Declared $EER_{DC,D}$			9.82	10.29	9.96	10.50
SSCEE	2,3,5	%	147.33%	147.64%	154.39%	155.01%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

OFC096R22-87ML5, OFC093R22-87HL3

Ecodesign

	Notes:	Units	OFC096R22-87ML5		OFC093R22-87HL3	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.29	6.38	6.07	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1063147.8	1045848.5	1070700.1	1053683.7
Rated Refrigerant Capacity P_A	1,3,5	kW	895.8	893.8	870.0	868.1
Rated Power Input D_A		kW	301.3	303.4	297.1	299.2
Rated $EER_{DC,A}$			2.97	2.95	2.93	2.90
Declared Refrigerant Capacity P_B	1,3,5	kW	835.6	833.8	811.5	809.8
Declared Power Input D_B		kW	216.3	217.3	217.2	218.3
Declared $EER_{DC,B}$			3.86	3.84	3.74	3.71
Declared Refrigerant Capacity P_C	1,3,5	kW	775.4	773.9	753.0	751.5
Declared Power Input D_C		kW	157.3	157.7	162.1	162.6
Declared $EER_{DC,C}$			4.93	4.91	4.65	4.62
Declared Refrigerant Capacity P_D	1,3,5	kW	715.2	713.9	694.5	693.2
Declared Power Input D_D		kW	69.7	66.3	68.5	65.2
Declared $EER_{DC,D}$			10.26	10.77	10.14	10.64

SSCEE	2,3,5	%	156.88%	157.62%	155.42%	156.02%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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Technical Data

OFC096R22-87HL5, OFC098R22-88ML3

Ecodesign

	Notes:	Units	OFC096R22-87HL5		OFC098R22-88ML3	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.18	6.26	6.01	6.10
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1073056.3	1054862.6	1145132.8	1124148.9
Rated Refrigerant Capacity P_A	1,3,5	kW	887.3	885.3	920.8	918.8
Rated Power Input D_A		kW	298.8	300.9	324.1	326.3
Rated $EER_{DC,A}$			2.97	2.94	2.84	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	827.7	825.9	858.9	857.1
Declared Power Input D_B		kW	218.8	219.8	231.5	232.6
Declared $EER_{DC,B}$			3.78	3.76	3.71	3.69
Declared Refrigerant Capacity P_C	1,3,5	kW	768.1	766.5	796.9	795.3
Declared Power Input D_C		kW	163.6	164.0	169.4	169.8
Declared $EER_{DC,C}$			4.70	4.67	4.70	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	708.4	707.1	735.0	733.6
Declared Power Input D_D		kW	67.9	64.4	75.1	71.1
Declared $EER_{DC,D}$			10.43	10.97	9.78	10.31
SSCEE	2,3,5	%	157.87%	158.58%	151.65%	152.52%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC101R22-88ML5, OFC098R22-88HL3

Ecodesign

	Notes:	Units	OFC101R22-88ML5		OFC098R22-88HL3	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.12	6.21	6.09	6.17
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1147251.5	1127461.1	1126077.5	1107233.9
Rated Refrigerant Capacity P_A	1,3,5	kW	940.0	937.9	917.7	915.7
Rated Power Input D_A		kW	326.1	328.3	316.0	318.2
Rated $EER_{DC,A}$			2.88	2.86	2.90	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	876.8	874.9	856.0	854.2
Declared Power Input D_B		kW	233.4	234.4	227.6	228.6
Declared $EER_{DC,B}$			3.76	3.73	3.76	3.74
Declared Refrigerant Capacity P_C	1,3,5	kW	813.5	811.9	794.3	792.7
Declared Power Input D_C		kW	171.0	171.3	166.4	166.8
Declared $EER_{DC,C}$			4.76	4.74	4.77	4.75
Declared Refrigerant Capacity P_D	1,3,5	kW	750.3	748.9	732.5	731.1
Declared Power Input D_D		kW	74.4	70.7	74.0	70.4
Declared $EER_{DC,D}$			10.08	10.59	9.90	10.38
SSCEE	2,3,5	%	154.13%	155.12%	154.52%	155.42%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC101R22-88HL5, OFC105R22-99ML4

Ecodesign

	Notes:	Units	OFC101R22-88HL5		OFC105R22-99ML4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.20	6.29	5.92	6.01
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1128639.6	1109100.8	1296400.7	1271405.8
Rated Refrigerant Capacity P_A	1,3,5	kW	937.1	935.0	1026.0	1023.9
Rated Power Input D_A		kW	318.0	320.1	373.0	375.5
Rated $EER_{DC,A}$			2.95	2.92	2.75	2.73
Declared Refrigerant Capacity P_B	1,3,5	kW	874.1	872.2	957.0	955.2
Declared Power Input D_B		kW	229.4	230.5	264.6	265.7
Declared $EER_{DC,B}$			3.81	3.78	3.62	3.59
Declared Refrigerant Capacity P_C	1,3,5	kW	811.0	809.4	888.0	886.4
Declared Power Input D_C		kW	168.0	168.4	193.0	193.2
Declared $EER_{DC,C}$			4.83	4.81	4.60	4.59
Declared Refrigerant Capacity P_D	1,3,5	kW	748.0	746.6	819.0	817.6
Declared Power Input D_D		kW	73.4	69.7	83.9	79.3
Declared $EER_{DC,D}$			10.20	10.71	9.76	10.30
SSCEE	2,3,5	%	157.07%	158.09%	149.21%	150.47%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC109R22-99ML5, OFC105R22-99HL4

Ecodesign

	Notes:	Units	OFC109R22-99ML5		OFC105R22-99HL4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.92	6.02	6.01	6.11
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1321793.6	1296041.9	1277309.0	1251271.1
Rated Refrigerant Capacity P_A	1,3,5	kW	1045.8	1043.7	1027.0	1025.0
Rated Power Input D_A		kW	377.6	379.9	364.1	366.4
Rated $EER_{DC,A}$			2.77	2.75	2.82	2.80
Declared Refrigerant Capacity P_B	1,3,5	kW	975.4	973.6	958.0	956.1
Declared Power Input D_B		kW	268.9	269.9	260.5	261.6
Declared $EER_{DC,B}$			3.63	3.61	3.68	3.66
Declared Refrigerant Capacity P_C	1,3,5	kW	904.9	903.4	888.9	887.3
Declared Power Input D_C		kW	196.8	197.0	189.9	190.1
Declared $EER_{DC,C}$			4.60	4.59	4.68	4.67
Declared Refrigerant Capacity P_D	1,3,5	kW	834.5	833.2	819.8	818.5
Declared Power Input D_D		kW	85.4	80.8	82.9	78.2
Declared $EER_{DC,D}$			9.78	10.32	9.89	10.47
SSCEE	2,3,5	%	147.61%	149.03%	152.41%	153.75%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC109R22-99ML5, OFC105R22-99HL4

Ecodesign

	Notes:	Units	OFC109R22-99ML5		OFC105R22-99HL4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.92	6.02	6.01	6.11
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1321793.6	1296041.9	1277309.0	1251271.1
Rated Refrigerant Capacity P_A	1,3,5	kW	1045.8	1043.7	1027.0	1025.0
Rated Power Input D_A		kW	377.6	379.9	364.1	366.4
Rated $EER_{DC,A}$			2.77	2.75	2.82	2.80
Declared Refrigerant Capacity P_B	1,3,5	kW	975.4	973.6	958.0	956.1
Declared Power Input D_B		kW	268.9	269.9	260.5	261.6
Declared $EER_{DC,B}$			3.63	3.61	3.68	3.66
Declared Refrigerant Capacity P_C	1,3,5	kW	904.9	903.4	888.9	887.3
Declared Power Input D_C		kW	196.8	197.0	189.9	190.1
Declared $EER_{DC,C}$			4.60	4.59	4.68	4.67
Declared Refrigerant Capacity P_D	1,3,5	kW	834.5	833.2	819.8	818.5
Declared Power Input D_D		kW	85.4	80.8	82.9	78.2
Declared $EER_{DC,D}$			9.78	10.32	9.89	10.47
SSCEE	2,3,5	%	147.61%	149.03%	152.41%	153.75%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC109R22-99HL5, OFC114R22-09ML5

Ecodesign

	Notes:	Units	OFC109R22-99HL5		OFC114R22-09ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.02	6.12	5.89	5.99
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1302691.3	1275738.5	1374099.0	1345663.4
Rated Refrigerant Capacity P_A	1,3,5	kW	1047.3	1045.2	1080.0	1078.1
Rated Power Input D_A		kW	368.6	370.9	406.6	409.0
Rated $EER_{DC,A}$			2.84	2.82	2.66	2.64
Declared Refrigerant Capacity P_B	1,3,5	kW	976.8	974.9	1007.2	1005.5
Declared Power Input D_B		kW	264.8	265.8	293.3	294.6
Declared $EER_{DC,B}$			3.69	3.67	3.43	3.41
Declared Refrigerant Capacity P_C	1,3,5	kW	906.2	904.6	934.4	933.0
Declared Power Input D_C		kW	193.7	193.8	208.2	208.6
Declared $EER_{DC,C}$			4.68	4.67	4.49	4.47
Declared Refrigerant Capacity P_D	1,3,5	kW	835.7	834.3	861.6	860.4
Declared Power Input D_D		kW	84.3	79.5	83.9	78.9
Declared $EER_{DC,D}$			9.91	10.49	10.26	10.90
SSCEE	2,3,5	%	150.71%	152.22%	137.31%	138.40%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC120R22-00ML6, OFC127R22-11ML7

Ecodesign

	Notes:	Units	OFC120R22-00ML6		OFC127R22-11ML7	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.78	5.88	6.01	6.13
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1437769.6	1407791.6	1493394.1	1459582.0
Rated Refrigerant Capacity P_A	1,3,5	kW	1110.9	1108.7	1200.0	1198.1
Rated Power Input D_A		kW	431.4	433.9	471.9	474.5
Rated $EER_{DC,A}$			2.57	2.56	2.54	2.53
Declared Refrigerant Capacity P_B	1,3,5	kW	1036.2	1034.2	1119.2	1117.6
Declared Power Input D_B		kW	315.3	316.7	332.8	334.1
Declared $EER_{DC,B}$			3.29	3.27	3.36	3.35
Declared Refrigerant Capacity P_C	1,3,5	kW	961.4	959.8	1038.5	1037.1
Declared Power Input D_C		kW	221.6	222.3	227.7	228.1
Declared $EER_{DC,C}$			4.34	4.32	4.56	4.55
Declared Refrigerant Capacity P_D	1,3,5	kW	886.7	885.3	957.7	956.6
Declared Power Input D_D		kW	84.9	79.6	87.9	82.1
Declared $EER_{DC,D}$			10.44	11.13	10.90	11.65
SSCEE	2,3,5	%	137.70%	138.85%	143.68%	145.50%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC073X16-66MS1, OFC073X16-66HS1

Ecodesign

	Notes:	Units	OFC073X16-66MS1		OFC073X16-66HS1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.31	6.36	6.05	6.14
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	810729.2	796888.3	841219.1	822697.3
Rated Refrigerant Capacity P_A	1,3,5	kW	686.6	680.7	683.6	678.0
Rated Power Input D_A		kW	243.3	246.0	242.0	244.6
Rated $EER_{DC,A}$			2.82	2.77	2.82	2.77
Declared Refrigerant Capacity P_B	1,3,5	kW	640.5	635.1	637.8	632.6
Declared Power Input D_B		kW	164.6	165.6	172.9	173.8
Declared $EER_{DC,B}$			3.89	3.83	3.69	3.64
Declared Refrigerant Capacity P_C	1,3,5	kW	594.5	589.5	592.0	587.2
Declared Power Input D_C		kW	119.9	120.0	124.5	124.6
Declared $EER_{DC,C}$			4.96	4.91	4.75	4.71
Declared Refrigerant Capacity P_D	1,3,5	kW	548.5	543.9	546.2	541.7
Declared Power Input D_D		kW	53.4	50.7	55.1	51.6
Declared $EER_{DC,D}$			10.27	10.73	9.91	10.50
SSCEE	2,3,5	%	158.17%	157.01%	153.93%	152.83%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC078X16-76MS2, OFC078X16-76HS2

Ecodesign

	Notes:	Units	OFC078X16-76MS2		OFC078X16-76HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.38	6.44	5.94	6.02
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	857759.4	841340.8	912550.0	891986.5
Rated Refrigerant Capacity P_A	1,3,5	kW	734.4	727.7	727.3	720.9
Rated Power Input D_A		kW	262.3	265.1	263.4	266.2
Rated $EER_{DC,A}$			2.80	2.74	2.76	2.71
Declared Refrigerant Capacity P_B	1,3,5	kW	685.2	678.9	678.6	672.6
Declared Power Input D_B		kW	180.3	181.2	190.9	191.7
Declared $EER_{DC,B}$			3.80	3.75	3.56	3.51
Declared Refrigerant Capacity P_C	1,3,5	kW	635.9	630.1	629.8	624.3
Declared Power Input D_C		kW	128.2	128.4	134.6	134.6
Declared $EER_{DC,C}$			4.96	4.91	4.68	4.64
Declared Refrigerant Capacity P_D	1,3,5	kW	586.6	581.4	581.0	575.9
Declared Power Input D_D		kW	54.5	51.3	59.3	55.4
Declared $EER_{DC,D}$			10.77	11.33	9.80	10.39
SSCEE	2,3,5	%	153.13%	152.08%	146.40%	145.49%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC083X16-77MS2, OFC083X16-77HS2

Ecodesign

	Notes:	Units	OFC083X16-77MS2		OFC083X16-77HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.24	6.30	5.72	5.80
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	928744.0	911019.0	998804.6	975792.3
Rated Refrigerant Capacity P_A	1,3,5	kW	777.4	769.8	766.3	759.1
Rated Power Input D_A		kW	281.0	284.0	284.7	287.7
Rated $EER_{DC,A}$			2.77	2.71	2.69	2.64
Declared Refrigerant Capacity P_B	1,3,5	kW	725.2	718.2	714.9	708.2
Declared Power Input D_B		kW	195.4	196.1	208.3	209.1
Declared $EER_{DC,B}$			3.71	3.66	3.43	3.39
Declared Refrigerant Capacity P_C	1,3,5	kW	673.1	666.6	663.4	657.3
Declared Power Input D_C		kW	140.2	140.3	149.7	149.6
Declared $EER_{DC,C}$			4.80	4.75	4.43	4.39
Declared Refrigerant Capacity P_D	1,3,5	kW	620.9	614.9	612.0	606.4
Declared Power Input D_D		kW	58.2	54.9	63.7	59.6
Declared $EER_{DC,D}$			10.67	11.20	9.60	10.18
SSCEE	2,3,5	%	151.76%	150.91%	144.08%	143.37%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC075X18-66MS1, OFC075X18-66HS1

Ecodesign

	Notes:	Units	OFC075X18-66MS1		OFC075X18-66HS1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.46	6.52	6.19	6.28
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	804979.4	791390.9	836465.6	818243.7
Rated Refrigerant Capacity P_A	1,3,5	kW	699.1	694.1	695.8	690.9
Rated Power Input D_A		kW	238.7	241.0	237.6	239.8
Rated $EER_{DC,A}$			2.93	2.88	2.93	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	652.3	647.6	649.2	644.7
Declared Power Input D_B		kW	163.2	164.0	171.6	172.3
Declared $EER_{DC,B}$			4.00	3.95	3.78	3.74
Declared Refrigerant Capacity P_C	1,3,5	kW	605.5	601.2	602.6	598.5
Declared Power Input D_C		kW	119.8	119.9	124.5	124.6
Declared $EER_{DC,C}$			5.06	5.01	4.84	4.80
Declared Refrigerant Capacity P_D	1,3,5	kW	558.7	554.7	556.0	552.2
Declared Power Input D_D		kW	52.9	50.3	54.7	51.3
Declared $EER_{DC,D}$			10.55	11.03	10.16	10.77
SSCEE	2,3,5	%	163.39%	162.57%	158.78%	158.00%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	702.2	696.7	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	699.1	694.1	n/a	n/a
Declared EER_d 35°C			2.93	2.88	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	514.3	510.7	n/a	n/a
Declared EER_d 30°C			3.54	3.50	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	329.5	327.4	n/a	n/a
Declared EER_d 25°C			4.85	4.82	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	144.7	144.1	n/a	n/a
Declared EER_d 20°C			5.13	5.10	n/a	n/a
Sound Power Level		dB(A)	101	101	n/a	n/a
Air Volume		m³/h	329355	314679	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	3.111	2.610	n/a	n/a
Standby Mode P_{SB}		kW	0.914	0.914	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.914	0.914	n/a	n/a

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

Technical Data

OFC080X18-76MS2, OFC080X18-76HS2

Ecodesign

	Notes:	Units	OFC080X18-76MS2		OFC080X18-76HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.57	6.62	6.08	6.17
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	848955.0	835315.4	907783.1	886488.1
Rated Refrigerant Capacity P_A	1,3,5	kW	748.9	743.1	741.3	735.7
Rated Power Input D_A		kW	257.0	259.4	258.2	260.6
Rated $EER_{DC,A}$			2.91	2.86	2.87	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	698.7	693.4	691.6	686.5
Declared Power Input D_B		kW	178.7	179.4	189.3	190.0
Declared $EER_{DC,B}$			3.91	3.87	3.65	3.61
Declared Refrigerant Capacity P_C	1,3,5	kW	648.5	643.6	641.9	637.2
Declared Power Input D_C		kW	127.8	127.9	134.5	134.6
Declared $EER_{DC,C}$			5.08	5.03	4.77	4.74
Declared Refrigerant Capacity P_D	1,3,5	kW	598.3	593.9	592.3	588.0
Declared Power Input D_D		kW	53.7	51.0	59.0	55.0
Declared $EER_{DC,D}$			11.15	11.63	10.04	10.68
SSCEE	2,3,5	%	158.54%	157.81%	151.17%	150.55%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC084X18-77MS2, OFC084X18-77HS2

Ecodesign

	Notes:	Units	OFC084X18-77MS2		OFC084X18-77HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.43	6.49	5.87	5.95
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	919349.4	903255.6	993019.3	969680.6
Rated Refrigerant Capacity P_A	1,3,5	kW	793.7	787.3	781.9	775.7
Rated Power Input D_A		kW	275.2	277.7	278.8	281.4
Rated $EER_{DC,A}$			2.88	2.84	2.80	2.76
Declared Refrigerant Capacity P_B	1,3,5	kW	740.5	734.5	729.5	723.8
Declared Power Input D_B		kW	193.7	194.3	206.5	207.2
Declared $EER_{DC,B}$			3.82	3.78	3.53	3.49
Declared Refrigerant Capacity P_C	1,3,5	kW	687.3	681.8	677.1	671.8
Declared Power Input D_C		kW	139.7	139.8	149.7	149.7
Declared $EER_{DC,C}$			4.92	4.88	4.52	4.49
Declared Refrigerant Capacity P_D	1,3,5	kW	634.1	629.1	624.7	619.9
Declared Power Input D_D		kW	57.4	54.4	63.4	59.1
Declared $EER_{DC,D}$			11.05	11.56	9.86	10.49
SSCEE	2,3,5	%	157.42%	156.92%	148.96%	148.56%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC088X18-87MS4, OFC090X18-87MS6

Ecodesign

	Notes:	Units	OFC088X18-87MS4		OFC090X18-87MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.17	6.27	6.26	6.36
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1008699.7	983325.9	1030241.0	1004979.7
Rated Refrigerant Capacity P_A	1,3,5	kW	835.3	828.3	866.2	858.8
Rated Power Input D_A		kW	301.7	304.8	305.9	309.1
Rated $EER_{DC,A}$			2.77	2.72	2.83	2.78
Declared Refrigerant Capacity P_B	1,3,5	kW	779.3	772.8	808.1	801.3
Declared Power Input D_B		kW	208.0	208.7	212.1	212.8
Declared $EER_{DC,B}$			3.75	3.70	3.81	3.77
Declared Refrigerant Capacity P_C	1,3,5	kW	723.3	717.3	750.1	743.8
Declared Power Input D_C		kW	148.2	148.1	151.1	150.9
Declared $EER_{DC,C}$			4.88	4.84	4.96	4.93
Declared Refrigerant Capacity P_D	1,3,5	kW	667.2	661.8	692.0	686.3
Declared Power Input D_D		kW	66.3	61.7	68.0	63.5
Declared $EER_{DC,D}$			10.06	10.72	10.17	10.81
SSCEE	2,3,5	%	155.57%	155.16%	160.45%	160.19%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC088X18-87HS4, OFC091X18-87HS6

Ecodesign

	Notes:	Units	OFC088X18-87HS4		OFC091X18-87HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.05	6.15	6.13	6.23
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1020567.9	994969.0	1044269.9	1018435.4
Rated Refrigerant Capacity P_A	1,3,5	kW	828.6	821.8	859.8	852.6
Rated Power Input D_A		kW	299.4	302.4	303.5	306.6
Rated $EER_{DC,A}$			2.77	2.72	2.83	2.78
Declared Refrigerant Capacity P_B	1,3,5	kW	773.0	766.8	802.1	795.5
Declared Power Input D_B		kW	212.2	213.0	216.0	216.8
Declared $EER_{DC,B}$			3.64	3.60	3.71	3.67
Declared Refrigerant Capacity P_C	1,3,5	kW	717.5	711.7	744.5	738.4
Declared Power Input D_C		kW	154.5	154.4	157.8	157.5
Declared $EER_{DC,C}$			4.64	4.61	4.72	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	661.9	656.7	686.9	681.3
Declared Power Input D_D		kW	64.5	59.9	66.5	61.9
Declared $EER_{DC,D}$			10.26	10.96	10.33	11.00
SSCEE	2,3,5	%	156.96%	156.59%	161.93%	161.71%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	864.4	856.4
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	859.8	852.6
Declared EER_d 35°C			n/a	n/a	2.83	2.78
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	632.3	627.2
Declared EER_d 30°C			n/a	n/a	3.47	3.43
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	404.8	401.9
Declared EER_d 25°C			n/a	n/a	4.74	4.73
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	177.3	176.5
Declared EER_d 20°C			n/a	n/a	5.26	5.25
Sound Power Level		dB(A)	n/a	n/a	103	103
Air Volume		m³/h	n/a	n/a	329355	314679
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a		
Standby Mode P_{SB}		kW	n/a	n/a	0.914	0.914
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.914	0.914

(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

OFC092X18-88MS4, OFC094X18-88MS6

Ecodesign

	Notes:	Units	OFC092X18-88MS4		OFC094X18-88MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.01	6.11	6.09	6.19
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1085420.1	1057629.9	1108512.2	1081175.8
Rated Refrigerant Capacity P_A	1,3,5	kW	874.4	867.0	906.4	898.5
Rated Power Input D_A		kW	329.6	333.3	334.2	338.1
Rated $EER_{DC,A}$			2.65	2.60	2.71	2.66
Declared Refrigerant Capacity P_B	1,3,5	kW	815.8	808.9	845.6	838.3
Declared Power Input D_B		kW	223.7	224.4	228.6	229.4
Declared $EER_{DC,B}$			3.65	3.60	3.70	3.66
Declared Refrigerant Capacity P_C	1,3,5	kW	757.1	750.8	784.8	778.1
Declared Power Input D_C		kW	160.8	160.5	164.0	163.6
Declared $EER_{DC,C}$			4.71	4.68	4.79	4.76
Declared Refrigerant Capacity P_D	1,3,5	kW	698.4	692.7	724.0	717.9
Declared Power Input D_D		kW	70.6	65.6	72.3	67.4
Declared $EER_{DC,D}$			9.90	10.56	10.02	10.65
SSCEE	2,3,5	%	153.29%	153.03%	157.96%	157.86%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC092X18-88HS4, OFC095X18-88HS6

Ecodesign

	Notes:	Units	OFC092X18-88HS4		OFC095X18-88HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.09	6.20	6.18	6.28
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1067451.6	1039859.1	1091686.8	1063815.6
Rated Refrigerant Capacity P_A	1,3,5	kW	872.6	865.2	905.0	897.3
Rated Power Input D_A		kW	321.0	324.5	325.5	329.2
Rated $EER_{DC,A}$			2.72	2.67	2.78	2.73
Declared Refrigerant Capacity P_B	1,3,5	kW	814.0	807.2	844.3	837.2
Declared Power Input D_B		kW	220.5	221.2	225.2	226.0
Declared $EER_{DC,B}$			3.69	3.65	3.75	3.70
Declared Refrigerant Capacity P_C	1,3,5	kW	755.5	749.3	783.6	777.1
Declared Power Input D_C		kW	157.9	157.6	161.1	160.7
Declared $EER_{DC,C}$			4.79	4.75	4.86	4.84
Declared Refrigerant Capacity P_D	1,3,5	kW	697.0	691.3	722.9	717.0
Declared Power Input D_D		kW	69.5	64.6	71.4	66.5
Declared $EER_{DC,D}$			10.03	10.71	10.13	10.79
SSCEE	2,3,5	%	156.45%	156.23%	161.31%	161.26%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	910.4	901.6
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	905.0	897.3
Declared EER_d 35°C			n/a	n/a	2.78	2.73
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	665.4	660.0
Declared EER_d 30°C			n/a	n/a	3.54	3.50
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	425.9	422.7
Declared EER_d 25°C			n/a	n/a	4.67	4.66
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	186.3	185.5
Declared EER_d 20°C			n/a	n/a	5.25	5.25
Sound Power Level		dB(A)	n/a	n/a	103	103
Air Volume		m^3/h	n/a	n/a	329355	314679
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	5.338	4.336
Standby Mode P_{SB}		kW	n/a	n/a	0.914	0.914
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.914	0.914

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(6) Please contact Airedale regarding Non Compliant selections

Technical Data

OFC098X18-99MS5, OFC101X18-99MS6

Ecodesign

	Notes:	Units	OFC098X18-99MS5		OFC101X18-99MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.87	5.96	5.91	6.00
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1218075.3	1185893.7	1251906.1	1219817.0
Rated Refrigerant Capacity P_A	1,3,5	kW	959.1	949.8	992.3	982.5
Rated Power Input D_A		kW	383.2	388.0	389.8	394.6
Rated $EER_{DC,A}$			2.50	2.45	2.55	2.49
Declared Refrigerant Capacity P_B	1,3,5	kW	894.8	886.1	925.7	916.7
Declared Power Input D_B		kW	254.6	255.2	261.3	262.0
Declared $EER_{DC,B}$			3.51	3.47	3.54	3.50
Declared Refrigerant Capacity P_C	1,3,5	kW	830.4	822.5	859.1	850.8
Declared Power Input D_C		kW	180.6	180.3	185.1	184.7
Declared $EER_{DC,C}$			4.60	4.56	4.64	4.61
Declared Refrigerant Capacity P_D	1,3,5	kW	766.1	758.8	792.4	784.9
Declared Power Input D_D		kW	78.2	72.6	80.7	75.1
Declared $EER_{DC,D}$			9.80	10.46	9.82	10.45
SSCEE	2,3,5	%	149.08%	148.95%	151.62%	151.71%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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Technical Data

OFC098X18-99HS5, OFC101X18-99HS6

Ecodesign

	Notes:	Units	OFC098X18-99HS5		OFC101X18-99HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.98	6.08	6.02	6.12
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1199308.3	1165891.0	1233635.3	1200235.4
Rated Refrigerant Capacity P_A	1,3,5	kW	961.2	951.9	994.9	985.2
Rated Power Input D_A		kW	373.4	378.0	379.9	384.5
Rated $EER_{DC,A}$			2.57	2.52	2.62	2.56
Declared Refrigerant Capacity P_B	1,3,5	kW	896.7	888.1	928.1	919.2
Declared Power Input D_B		kW	251.3	252.0	257.8	258.6
Declared $EER_{DC,B}$			3.57	3.52	3.60	3.56
Declared Refrigerant Capacity P_C	1,3,5	kW	832.2	824.3	861.3	853.1
Declared Power Input D_C		kW	177.4	177.1	181.9	181.4
Declared $EER_{DC,C}$			4.69	4.66	4.74	4.70
Declared Refrigerant Capacity P_D	1,3,5	kW	767.7	760.6	794.6	787.1
Declared Power Input D_D		kW	77.2	71.3	79.7	73.9
Declared $EER_{DC,D}$			9.95	10.67	9.97	10.65
SSCEE	2,3,5	%	152.63%	152.58%	155.27%	155.45%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a

(1) Nominal conditions as stated in EU 2016/2281 Table 22.
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Technical Data

OFC106X18-09MS6, OFC111X18-00MS7

Ecodesign

	Notes:	Units	OFC106X18-09MS6		OFC111X18-00MS7	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.85	5.95	5.62	5.70
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1294529.3	1259316.4	1369153.2	1333189.5
Rated Refrigerant Capacity P_A	1,3,5	kW	1015.4	1004.7	1032.1	1020.4
Rated Power Input D_A		kW	419.0	424.2	446.4	452.0
Rated $EER_{DC,A}$			2.42	2.37	2.31	2.26
Declared Refrigerant Capacity P_B	1,3,5	kW	947.2	937.3	962.9	952.0
Declared Power Input D_B		kW	286.9	288.1	311.2	312.9
Declared $EER_{DC,B}$			3.30	3.25	3.09	3.04
Declared Refrigerant Capacity P_C	1,3,5	kW	879.0	870.0	893.6	883.6
Declared Power Input D_C		kW	194.8	194.6	211.0	211.1
Declared $EER_{DC,C}$			4.51	4.47	4.24	4.19
Declared Refrigerant Capacity P_D	1,3,5	kW	810.9	802.6	824.4	815.3
Declared Power Input D_D		kW	78.2	72.1	79.1	72.8
Declared $EER_{DC,D}$			10.36	11.13	10.42	11.20
SSCEE	2,3,5	%	140.21%	139.96%	137.60%	137.29%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC117X18-11MS8

Ecodesign

	Notes:	Units	OFC117X18-11MS8 2 Row	OFC117X18-11MS8 3 Row
SEPR	1,3,5		5.85	5.93
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1412254.9	1373325.8
Rated Refrigerant Capacity P_A	1,3,5	kW	1106.9	1093.7
Rated Power Input D_A		kW	493.7	500.4
Rated $EER_{DC,A}$			2.24	2.19
Declared Refrigerant Capacity P_B	1,3,5	kW	1032.6	1020.4
Declared Power Input D_B		kW	326.9	328.5
Declared $EER_{DC,B}$			3.16	3.11
Declared Refrigerant Capacity P_C	1,3,5	kW	958.3	947.1
Declared Power Input D_C		kW	215.2	215.0
Declared $EER_{DC,C}$			4.45	4.41
Declared Refrigerant Capacity P_D	1,3,5	kW	884.0	873.8
Declared Power Input D_D		kW	81.2	74.5
Declared $EER_{DC,D}$			10.89	11.73
SSCEE	2,3,5	%	144.49%	144.62%
SSCEE Tier	6		Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 35°C			n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 30°C			n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 25°C			n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 20°C			n/a	n/a
Sound Power Level		dB(A)	n/a	n/a
Air Volume		m^3/h	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a

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

Technical Data

OFC076X20-66MS1, OFC076X20-66HS1

Ecodesign

	Notes:	Units	OFC076X20-66MS1		OFC076X20-66HS1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.53	6.41	6.24	6.11
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	807108.5	817169.8	840528.8	852601.1
Rated Refrigerant Capacity P_A	1,3,5	kW	708.1	703.7	704.4	700.2
Rated Power Input D_A		kW	236.3	238.2	235.3	237.1
Rated $EER_{DC,A}$			3.00	2.95	2.99	2.95
Declared Refrigerant Capacity P_B	1,3,5	kW	660.6	656.6	657.2	653.3
Declared Power Input D_B		kW	163.3	163.9	171.6	172.3
Declared $EER_{DC,B}$			4.05	4.01	3.83	3.79
Declared Refrigerant Capacity P_C	1,3,5	kW	613.2	609.5	610.0	606.5
Declared Power Input D_C		kW	120.2	120.3	125.1	125.2
Declared $EER_{DC,C}$			5.10	5.07	4.88	4.84
Declared Refrigerant Capacity P_D	1,3,5	kW	565.8	562.4	562.8	559.6
Declared Power Input D_D		kW	53.1	54.9	55.2	57.3
Declared $EER_{DC,D}$			10.66	10.25	10.20	9.76
SSCEE	2,3,5	%	165.02%	164.54%	160.28%	159.82%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	711.4	706.5	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	708.1	703.7	n/a	n/a
Declared EER_d 35°C			3.00	2.95	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	520.8	517.8	n/a	n/a
Declared EER_d 30°C			3.59	3.55	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	333.6	331.9	n/a	n/a
Declared EER_d 25°C			4.90	4.87	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	146.4	146.0	n/a	n/a
Declared EER_d 20°C			5.17	5.16	n/a	n/a
Sound Power Level		dB(A)	101	101	n/a	n/a
Air Volume		m³/h	365950	349643	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	3.319	2.754	n/a	n/a
Standby Mode P_{SB}		kW	0.924	0.924	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.924	0.924	n/a	n/a

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

Technical Data

OFC081X20-76MS2, OFC081X20-76HS2

Ecodesign

	Notes:	Units	OFC081X20-76MS2		OFC081X20-76HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.64	6.55	6.14	6.05
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	852026.9	856278.4	911191.6	917461.3
Rated Refrigerant Capacity P_A	1,3,5	kW	759.0	754.1	751.1	746.3
Rated Power Input D_A		kW	254.3	256.3	255.5	257.5
Rated $EER_{DC,A}$			2.98	2.94	2.94	2.90
Declared Refrigerant Capacity P_B	1,3,5	kW	708.2	703.6	700.7	696.3
Declared Power Input D_B		kW	178.7	179.1	189.3	189.8
Declared $EER_{DC,B}$			3.96	3.93	3.70	3.67
Declared Refrigerant Capacity P_C	1,3,5	kW	657.3	653.1	650.4	646.4
Declared Power Input D_C		kW	128.2	128.3	135.4	135.4
Declared $EER_{DC,C}$			5.13	5.09	4.80	4.77
Declared Refrigerant Capacity P_D	1,3,5	kW	606.4	602.6	600.1	596.4
Declared Power Input D_D		kW	54.0	54.7	59.2	60.4
Declared $EER_{DC,D}$			11.23	11.01	10.13	9.88
SSCEE	2,3,5	%	160.16%	159.80%	152.55%	152.25%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC085X20-77MS2, OFC086X20-77HS2

Ecodesign

	Notes:	Units	OFC085X20-77MS2		OFC086X20-77HS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.51	6.46	5.93	5.88
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	922418.7	922120.5	996788.9	996367.6
Rated Refrigerant Capacity P_A	1,3,5	kW	805.2	799.7	792.9	787.6
Rated Power Input D_A		kW	272.1	274.2	275.7	277.9
Rated $EER_{DC,A}$			2.96	2.92	2.88	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	751.2	746.1	739.7	734.8
Declared Power Input D_B		kW	193.6	194.0	206.3	206.8
Declared $EER_{DC,B}$			3.88	3.85	3.59	3.55
Declared Refrigerant Capacity P_C	1,3,5	kW	697.2	692.5	686.6	682.1
Declared Power Input D_C		kW	140.2	140.3	150.5	150.5
Declared $EER_{DC,C}$			4.97	4.93	4.56	4.53
Declared Refrigerant Capacity P_D	1,3,5	kW	643.2	639.0	633.4	629.3
Declared Power Input D_D		kW	57.7	57.6	63.7	63.6
Declared $EER_{DC,D}$			11.15	11.09	9.95	9.89
SSCEE	2,3,5	%	158.95%	158.85%	150.21%	150.13%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC089X20-87MS4, OFC092X20-87MS6

Ecodesign

	Notes:	Units	OFC089X20-87MS4		OFC092X20-87MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.25	6.23	6.33	6.35
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1011113.6	1005779.6	1034907.8	1022964.0
Rated Refrigerant Capacity P_A	1,3,5	kW	847.7	841.7	879.4	873.1
Rated Power Input D_A		kW	297.5	300.1	301.5	304.1
Rated $EER_{DC,A}$			2.85	2.80	2.92	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	790.8	785.3	820.4	814.6
Declared Power Input D_B		kW	207.8	208.2	211.6	212.1
Declared $EER_{DC,B}$			3.81	3.77	3.88	3.84
Declared Refrigerant Capacity P_C	1,3,5	kW	734.0	728.9	761.4	756.1
Declared Power Input D_C		kW	149.1	149.0	152.1	151.9
Declared $EER_{DC,C}$			4.92	4.89	5.00	4.98
Declared Refrigerant Capacity P_D	1,3,5	kW	677.1	672.5	702.5	697.6
Declared Power Input D_D		kW	66.3	65.5	68.4	66.4
Declared $EER_{DC,D}$			10.21	10.27	10.26	10.50
SSCEE	2,3,5	%	157.12%	157.17%	162.03%	162.27%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	884.5	877.2
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	879.4	873.1
Declared EER_d 35°C			n/a	n/a	2.92	2.87
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	646.6	642.2
Declared EER_d 30°C			n/a	n/a	3.60	3.57
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	413.8	411.4
Declared EER_d 25°C			n/a	n/a	4.68	4.68
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	181.1	180.5
Declared EER_d 20°C			n/a	n/a	5.15	5.16
Sound Power Level		dB(A)	n/a	n/a	103	103
Air Volume		m³/h	n/a	n/a	365950	349643
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	5.146	4.137
Standby Mode P_{SB}		kW	n/a	n/a	0.924	0.924
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.924	0.924

(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

OFC090X20-87HS4, OFC092X20-87HS6

Ecodesign

	Notes:	Units	OFC090X20-87HS4		OFC092X20-87HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.11	6.11	6.21	6.21
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1025352.3	1018134.6	1047587.6	1038808.6
Rated Refrigerant Capacity P_A	1,3,5	kW	840.7	834.9	872.6	866.4
Rated Power Input D_A		kW	295.3	297.8	299.2	301.8
Rated $EER_{DC,A}$			2.85	2.80	2.92	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	784.3	778.9	814.0	808.4
Declared Power Input D_B		kW	211.7	212.3	215.3	216.0
Declared $EER_{DC,B}$			3.70	3.67	3.78	3.74
Declared Refrigerant Capacity P_C	1,3,5	kW	727.9	723.0	755.5	750.4
Declared Power Input D_C		kW	155.5	155.3	158.8	158.5
Declared $EER_{DC,C}$			4.68	4.65	4.76	4.73
Declared Refrigerant Capacity P_D	1,3,5	kW	671.5	667.1	697.0	692.3
Declared Power Input D_D		kW	65.0	63.8	66.7	65.3
Declared $EER_{DC,D}$			10.33	10.45	10.44	10.60
SSCEE	2,3,5	%	158.41%	158.51%	163.42%	163.70%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	877.6	870.5
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	872.6	866.4
Declared EER_d 35°C			n/a	n/a	2.92	2.87
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	641.6	637.4
Declared EER_d 30°C			n/a	n/a	3.51	3.48
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	410.7	408.3
Declared EER_d 25°C			n/a	n/a	4.77	4.77
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	179.7	179.2
Declared EER_d 20°C			n/a	n/a	5.31	5.32
Sound Power Level		dB(A)	n/a	n/a	103	103
Air Volume		m^3/h	n/a	n/a	365950	349643
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	5.043	4.056
Standby Mode P_{SB}		kW	n/a	n/a	0.924	0.924
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.924	0.924

(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

OFC093X20-88MS4, OFC096X20-88MS6

Ecodesign

	Notes:	Units	OFC093X20-88MS4		OFC096X20-88MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.08	6.10	6.17	6.21
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1088155.4	1077076.2	1113150.4	1095840.5
Rated Refrigerant Capacity P_A	1,3,5	kW	887.7	881.4	920.4	913.7
Rated Power Input D_A		kW	324.3	327.4	328.7	331.8
Rated $EER_{DC,A}$			2.74	2.69	2.80	2.75
Declared Refrigerant Capacity P_B	1,3,5	kW	828.2	822.3	858.7	852.5
Declared Power Input D_B		kW	223.3	223.8	227.8	228.4
Declared $EER_{DC,B}$			3.71	3.68	3.77	3.73
Declared Refrigerant Capacity P_C	1,3,5	kW	768.6	763.2	796.9	791.3
Declared Power Input D_C		kW	161.8	161.6	165.1	164.7
Declared $EER_{DC,C}$			4.75	4.72	4.83	4.80
Declared Refrigerant Capacity P_D	1,3,5	kW	709.0	704.1	735.2	730.1
Declared Power Input D_D		kW	70.6	68.8	72.7	69.8
Declared $EER_{DC,D}$			10.04	10.24	10.12	10.46
SSCEE	2,3,5	%	154.82%	155.06%	159.53%	159.96%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC093X20-88HS4, OFC096X20-88HS6

Ecodesign

	Notes:	Units	OFC093X20-88HS4		OFC096X20-88HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.16	6.19	6.25	6.29
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1072793.5	1058994.4	1095994.6	1080781.7
Rated Refrigerant Capacity P_A	1,3,5	kW	885.7	879.4	918.9	912.3
Rated Power Input D_A		kW	315.9	318.9	320.3	323.3
Rated $EER_{DC,A}$			2.80	2.76	2.87	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	826.3	820.5	857.3	851.2
Declared Power Input D_B		kW	220.0	220.5	224.4	225.0
Declared $EER_{DC,B}$			3.76	3.72	3.82	3.78
Declared Refrigerant Capacity P_C	1,3,5	kW	766.8	761.5	795.6	790.1
Declared Power Input D_C		kW	159.0	158.7	162.3	161.9
Declared $EER_{DC,C}$			4.82	4.80	4.90	4.88
Declared Refrigerant Capacity P_D	1,3,5	kW	707.4	702.6	734.0	728.9
Declared Power Input D_D		kW	70.0	67.7	71.7	69.2
Declared $EER_{DC,D}$			10.11	10.38	10.23	10.53
SSCEE	2,3,5	%	157.93%	158.24%	162.84%	163.35%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	924.7	916.9
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	918.9	912.3
Declared EER_d 35°C			n/a	n/a	2.87	2.82
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	675.6	671.0
Declared EER_d 30°C			n/a	n/a	3.59	3.56
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	432.2	429.7
Declared EER_d 25°C			n/a	n/a	4.70	4.70
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	188.9	188.4
Declared EER_d 20°C			n/a	n/a	5.29	5.31
Sound Power Level		dB(A)	n/a	n/a	103	103
Air Volume		m³/h	n/a	n/a	365950	349643
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	5.773	4.636
Standby Mode P_{SB}		kW	n/a	n/a	0.924	0.924
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.924	0.924

(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

OFC100X20-99MS5, OFC103X20-99MS6

Ecodesign

	Notes:	Units	OFC100X20-99MS5		OFC103X20-99MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.94	6.02	5.99	6.07
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1224761.0	1197682.8	1258029.2	1228759.8
Rated Refrigerant Capacity P_A	1,3,5	kW	975.8	967.8	1009.8	1001.5
Rated Power Input D_A		kW	376.0	379.9	382.2	386.2
Rated $EER_{DC,A}$			2.60	2.55	2.64	2.59
Declared Refrigerant Capacity P_B	1,3,5	kW	910.3	903.0	942.0	934.3
Declared Power Input D_B		kW	253.8	254.2	260.2	260.7
Declared $EER_{DC,B}$			3.59	3.55	3.62	3.58
Declared Refrigerant Capacity P_C	1,3,5	kW	844.8	838.1	874.1	867.2
Declared Power Input D_C		kW	182.3	181.6	186.7	185.9
Declared $EER_{DC,C}$			4.64	4.61	4.68	4.66
Declared Refrigerant Capacity P_D	1,3,5	kW	779.3	773.2	806.3	800.0
Declared Power Input D_D		kW	78.7	74.3	81.1	76.4
Declared $EER_{DC,D}$			9.90	10.41	9.94	10.48
SSCEE	2,3,5	%	150.77%	151.20%	153.23%	153.91%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC100X20-99HS5, OFC103X20-99HS6

Ecodesign

	Notes:	Units	OFC100X20-99HS5		OFC103X20-99HS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.04	6.12	6.09	6.18
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1207109.8	1180765.0	1240749.9	1210733.9
Rated Refrigerant Capacity P_A	1,3,5	kW	977.7	969.8	1012.3	1004.1
Rated Power Input D_A		kW	366.5	370.2	372.7	376.5
Rated $EER_{DC,A}$			2.67	2.62	2.72	2.67
Declared Refrigerant Capacity P_B	1,3,5	kW	912.1	904.8	944.3	936.7
Declared Power Input D_B		kW	250.4	250.9	256.7	257.2
Declared $EER_{DC,B}$			3.64	3.61	3.68	3.64
Declared Refrigerant Capacity P_C	1,3,5	kW	846.5	839.8	876.3	869.4
Declared Power Input D_C		kW	179.1	178.4	183.6	182.8
Declared $EER_{DC,C}$			4.73	4.71	4.77	4.76
Declared Refrigerant Capacity P_D	1,3,5	kW	780.9	774.8	808.4	802.1
Declared Power Input D_D		kW	77.9	73.6	80.3	75.4
Declared $EER_{DC,D}$			10.03	10.53	10.06	10.63
SSCEE	2,3,5	%	154.29%	154.81%	156.84%	157.62%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC108X20-09MS6, OFC113X20-00MS7

Ecodesign

	Notes:	Units	OFC108X20-09MS6		OFC113X20-00MS7	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.95	6.04	5.73	5.81
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1297759.8	1266153.4	1371954.5	1337131.9
Rated Refrigerant Capacity P_A	1,3,5	kW	1034.5	1025.4	1053.0	1043.0
Rated Power Input D_A		kW	410.9	415.1	437.7	442.2
Rated $EER_{DC,A}$			2.52	2.47	2.41	2.36
Declared Refrigerant Capacity P_B	1,3,5	kW	965.0	956.7	982.4	973.1
Declared Power Input D_B		kW	284.8	285.7	308.4	309.7
Declared $EER_{DC,B}$			3.39	3.35	3.19	3.14
Declared Refrigerant Capacity P_C	1,3,5	kW	895.6	887.9	911.7	903.2
Declared Power Input D_C		kW	195.4	194.9	210.8	210.7
Declared $EER_{DC,C}$			4.58	4.56	4.32	4.29
Declared Refrigerant Capacity P_D	1,3,5	kW	826.1	819.1	841.0	833.3
Declared Power Input D_D		kW	78.9	73.6	80.2	74.3
Declared $EER_{DC,D}$			10.47	11.12	10.49	11.22
SSCEE	2,3,5	%	141.99%	142.30%	139.51%	139.78%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC119X20-11MS8, OFC076X22-66MS1

Ecodesign

	Notes:	Units	OFC119X20-11MS8		OFC076X22-66MS1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.97	6.08	6.57	6.64
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1413767.8	1372722.9	810054.8	797031.4
Rated Refrigerant Capacity P_A	1,3,5	kW	1130.4	1119.3	714.9	711.2
Rated Power Input D_A		kW	482.9	488.2	234.9	236.5
Rated $EER_{DC,A}$			2.34	2.29	3.04	3.01
Declared Refrigerant Capacity P_B	1,3,5	kW	1054.5	1044.2	667.0	663.6
Declared Power Input D_B		kW	323.9	325.1	163.5	164.1
Declared $EER_{DC,B}$			3.26	3.21	4.08	4.04
Declared Refrigerant Capacity P_C	1,3,5	kW	978.6	969.2	619.1	616.0
Declared Power Input D_C		kW	215.2	214.7	120.5	120.6
Declared $EER_{DC,C}$			4.55	4.51	5.14	5.11
Declared Refrigerant Capacity P_D	1,3,5	kW	902.6	894.1	571.2	568.4
Declared Power Input D_D		kW	82.0	75.2	53.4	50.9
Declared $EER_{DC,D}$			11.01	11.89	10.70	11.16
SSCEE	2,3,5	%	146.34%	147.16%	166.24%	166.09%
SSCEE Tier	6		Non Compliant	Non Compliant	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	718.4	714.0
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	714.9	711.2
Declared EER_d 35°C			n/a	n/a	3.04	3.01
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	525.8	523.3
Declared EER_d 30°C			n/a	n/a	3.62	3.59
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	336.8	335.3
Declared EER_d 25°C			n/a	n/a	4.94	4.92
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	147.7	147.4
Declared EER_d 20°C			n/a	n/a	5.20	5.20
Sound Power Level		dB(A)	n/a	n/a	101	101
Air Volume		m^3/h	n/a	n/a	402545	384607
Off mode P_{OFF}		kW	n/a	n/a	0.819	0.819
Thermostat-off mode P_{TO}		kW	n/a	n/a	3.463	2.847
Standby Mode P_{SB}		kW	n/a	n/a	0.934	0.934
Crankcase heater mode P_{CK}		kW	n/a	n/a	0.934	0.934

(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

OFC076X22-66HS1, OFC082X22-76MS2

Ecodesign

	Notes:	Units	OFC076X22-66HS1		OFC082X22-76MS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.29	6.37	6.68	6.75
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	842037.3	825467.2	855552.7	840874.4
Rated Refrigerant Capacity P_A	1,3,5	kW	711.0	707.4	766.8	762.6
Rated Power Input D_A		kW	233.9	235.5	252.6	254.3
Rated $EER_{DC,A}$			3.04	3.00	3.04	3.00
Declared Refrigerant Capacity P_B	1,3,5	kW	663.3	660.0	715.4	711.5
Declared Power Input D_B		kW	171.6	172.2	179.0	179.5
Declared $EER_{DC,B}$			3.87	3.83	4.00	3.96
Declared Refrigerant Capacity P_C	1,3,5	kW	615.7	612.7	664.0	660.5
Declared Power Input D_C		kW	125.5	125.7	128.6	128.7
Declared $EER_{DC,C}$			4.90	4.88	5.16	5.13
Declared Refrigerant Capacity P_D	1,3,5	kW	568.1	565.3	612.6	609.4
Declared Power Input D_D		kW	55.2	52.1	54.3	51.7
Declared $EER_{DC,D}$			10.29	10.85	11.28	11.79
SSCEE	2,3,5	%	161.41%	161.25%	161.37%	161.35%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)	Tier 1 (2018)
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	714.4	710.2	771.1	766.1
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	711.0	707.4	766.8	762.6
Declared EER_d 35°C			3.04	3.00	3.04	3.00
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	523.0	520.5	563.9	561.0
Declared EER_d 30°C			3.51	3.48	3.57	3.54
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	334.9	333.6	361.0	359.4
Declared EER_d 25°C			4.68	4.67	4.74	4.73
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	146.9	146.7	158.1	157.8
Declared EER_d 20°C			5.15	5.15	5.00	4.99
Sound Power Level		dB(A)	101	101	102	102
Air Volume		m³/h	402545	384607	402545	384607
Off mode P_{OFF}		kW	0.819	0.819	0.819	0.819
Thermostat-off mode P_{TO}		kW	3.463	2.847	4.254	3.494
Standby Mode P_{SB}		kW	0.934	0.934	0.934	0.934
Crankcase heater mode P_{CK}		kW	0.934	0.934	0.934	0.934

(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

OFC082X22-76HS2, OFC086X22-77MS2

Ecodesign

	Notes:	Units	OFC082X22-76HS2		OFC086X22-77MS2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.17	6.26	6.55	6.62
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	915824.2	896383.9	925795.6	910622.6
Rated Refrigerant Capacity P_A	1,3,5	kW	758.6	754.5	813.9	809.2
Rated Power Input D_A		kW	253.8	255.5	270.2	271.9
Rated $EER_{DC,A}$			2.99	2.95	3.01	2.98
Declared Refrigerant Capacity P_B	1,3,5	kW	707.7	704.0	759.3	755.0
Declared Power Input D_B		kW	189.4	189.9	194.1	194.4
Declared $EER_{DC,B}$			3.74	3.71	3.91	3.88
Declared Refrigerant Capacity P_C	1,3,5	kW	656.9	653.5	704.8	700.8
Declared Power Input D_C		kW	136.0	136.0	140.5	140.7
Declared $EER_{DC,C}$			4.83	4.80	5.01	4.98
Declared Refrigerant Capacity P_D	1,3,5	kW	606.0	602.9	650.2	646.6
Declared Power Input D_D		kW	59.7	56.2	58.0	55.3
Declared $EER_{DC,D}$			10.15	10.74	11.21	11.69
SSCEE	2,3,5	%	153.58%	153.58%	160.07%	160.35%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC087X22-77HS2, OFC090X22-87MS4

Ecodesign

	Notes:	Units	OFC087X22-77HS2		OFC090X22-87MS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.96	6.05	6.29	6.38
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1001348.6	981289.3	1016090.2	994942.7
Rated Refrigerant Capacity P_A	1,3,5	kW	801.3	796.8	857.2	852.1
Rated Power Input D_A		kW	273.7	275.5	294.8	296.9
Rated $EER_{DC,A}$			2.93	2.89	2.91	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	747.6	743.4	799.7	795.0
Declared Power Input D_B		kW	206.4	206.9	207.9	208.2
Declared $EER_{DC,B}$			3.62	3.59	3.85	3.82
Declared Refrigerant Capacity P_C	1,3,5	kW	693.8	690.0	742.2	737.9
Declared Power Input D_C		kW	151.1	151.2	149.9	149.7
Declared $EER_{DC,C}$			4.59	4.56	4.95	4.93
Declared Refrigerant Capacity P_D	1,3,5	kW	640.1	636.6	684.7	680.8
Declared Power Input D_D		kW	64.1	60.5	66.8	63.1
Declared $EER_{DC,D}$			9.98	10.52	10.25	10.79
SSCEE	2,3,5	%	151.12%	151.36%	158.17%	158.64%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC087X22-77HS2, OFC090X22-87MS4

Ecodesign

	Notes:	Units	OFC087X22-77HS2		OFC090X22-87MS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.96	6.05	6.29	6.38
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1001348.6	981289.3	1016090.2	994942.7
Rated Refrigerant Capacity P_A	1,3,5	kW	801.3	796.8	857.2	852.1
Rated Power Input D_A		kW	273.7	275.5	294.8	296.9
Rated $EER_{DC,A}$			2.93	2.89	2.91	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	747.6	743.4	799.7	795.0
Declared Power Input D_B		kW	206.4	206.9	207.9	208.2
Declared $EER_{DC,B}$			3.62	3.59	3.85	3.82
Declared Refrigerant Capacity P_C	1,3,5	kW	693.8	690.0	742.2	737.9
Declared Power Input D_C		kW	151.1	151.2	149.9	149.7
Declared $EER_{DC,C}$			4.59	4.56	4.95	4.93
Declared Refrigerant Capacity P_D	1,3,5	kW	640.1	636.6	684.7	680.8
Declared Power Input D_D		kW	64.1	60.5	66.8	63.1
Declared $EER_{DC,D}$			9.98	10.52	10.25	10.79
SSCEE	2,3,5	%	151.12%	151.36%	158.17%	158.64%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC093X22-87MS6, OFC091X22-87HS4

Ecodesign

	Notes:	Units	OFC093X22-87MS6		OFC091X22-87HS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.39	6.48	6.16	6.25
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1038205.9	1016646.8	1028719.1	1006753.5
Rated Refrigerant Capacity P_A	1,3,5	kW	889.5	884.1	850.0	845.0
Rated Power Input D_A		kW	298.6	300.7	292.6	294.7
Rated $EER_{DC,A}$			2.98	2.94	2.90	2.87
Declared Refrigerant Capacity P_B	1,3,5	kW	829.8	824.9	792.9	788.4
Declared Power Input D_B		kW	211.7	212.0	211.7	212.2
Declared $EER_{DC,B}$			3.92	3.89	3.74	3.72
Declared Refrigerant Capacity P_C	1,3,5	kW	770.2	765.7	735.9	731.7
Declared Power Input D_C		kW	153.0	152.7	156.2	156.1
Declared $EER_{DC,C}$			5.03	5.01	4.71	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	710.5	706.4	678.9	675.1
Declared Power Input D_D		kW	68.6	64.9	65.2	61.4
Declared $EER_{DC,D}$			10.36	10.89	10.41	10.99
SSCEE	2,3,5	%	163.07%	163.78%	159.39%	159.89%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	895.0	888.5	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	889.5	884.1	n/a	n/a
Declared EER_d 35°C			2.98	2.94	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	654.0	650.3	n/a	n/a
Declared EER_d 30°C			3.63	3.61	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	418.4	416.5	n/a	n/a
Declared EER_d 25°C			4.71	4.71	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	182.9	182.7	n/a	n/a
Declared EER_d 20°C			5.18	5.20	n/a	n/a
Sound Power Level		dB(A)	103	103	n/a	n/a
Air Volume		m^3/h	402545	384607	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	5.503	4.377	n/a	n/a
Standby Mode P_{SB}		kW	0.934	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.934	0.934	n/a	n/a

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Technical Data

OFC093X22-87HS6, OFC094X22-88MS4

Ecodesign

	Notes:	Units	OFC093X22-87HS6		OFC094X22-88MS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.25	6.34	6.13	6.22
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1052371.7	1029714.8	1093539.7	1069913.8
Rated Refrigerant Capacity P_A	1,3,5	kW	882.4	877.2	898.0	892.6
Rated Power Input D_A		kW	296.4	298.5	320.7	323.2
Rated $EER_{DC,A}$			2.98	2.94	2.80	2.76
Declared Refrigerant Capacity P_B	1,3,5	kW	823.2	818.4	837.7	832.7
Declared Power Input D_B		kW	215.2	215.6	223.3	223.5
Declared $EER_{DC,B}$			3.83	3.80	3.75	3.73
Declared Refrigerant Capacity P_C	1,3,5	kW	764.0	759.6	777.4	772.9
Declared Power Input D_C		kW	159.6	159.4	162.7	162.4
Declared $EER_{DC,C}$			4.79	4.77	4.78	4.76
Declared Refrigerant Capacity P_D	1,3,5	kW	704.8	700.9	717.2	713.0
Declared Power Input D_D		kW	67.2	63.3	71.1	67.1
Declared $EER_{DC,D}$			10.49	11.07	10.08	10.62
SSCEE	2,3,5	%	164.38%	165.12%	155.79%	156.48%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	887.8	881.5	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	882.4	877.2	n/a	n/a
Declared EER_d 35°C			2.98	2.94	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	648.8	645.2	n/a	n/a
Declared EER_d 30°C			3.53	3.51	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	415.1	413.2	n/a	n/a
Declared EER_d 25°C			4.79	4.80	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	181.5	181.3	n/a	n/a
Declared EER_d 20°C			5.34	5.36	n/a	n/a
Sound Power Level		dB(A)	103	103	n/a	n/a
Air Volume		m^3/h	402545	384607	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	5.389	4.288	n/a	n/a
Standby Mode P_{SB}		kW	0.934	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.934	0.934	n/a	n/a

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Technical Data

OFC097X22-88MS6, OFC095X22-88HS4

Ecodesign

	Notes:	Units	OFC097X22-88MS6		OFC095X22-88HS4	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.22	6.31	6.21	6.30
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1116269.0	1093107.0	1076496.3	1053077.5
Rated Refrigerant Capacity P_A	1,3,5	kW	931.3	925.6	895.8	890.5
Rated Power Input D_A		kW	324.9	327.5	312.5	314.9
Rated $EER_{DC,A}$			2.87	2.83	2.87	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	868.8	863.5	835.7	830.8
Declared Power Input D_B		kW	227.6	228.0	220.0	220.2
Declared $EER_{DC,B}$			3.82	3.79	3.80	3.77
Declared Refrigerant Capacity P_C	1,3,5	kW	806.3	801.5	775.5	771.1
Declared Power Input D_C		kW	166.1	165.6	159.9	159.6
Declared $EER_{DC,C}$			4.86	4.84	4.85	4.83
Declared Refrigerant Capacity P_D	1,3,5	kW	743.8	739.5	715.4	711.4
Declared Power Input D_D		kW	72.8	68.9	70.2	66.2
Declared $EER_{DC,D}$			10.22	10.73	10.20	10.74
SSCEE	2,3,5	%	160.49%	161.44%	158.88%	159.63%
SSCEE Tier	6		Non Compliant	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	930.5	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	925.6	n/a	n/a
Declared EER_d 35°C			n/a	2.83	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	680.7	n/a	n/a
Declared EER_d 30°C			n/a	3.53	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	435.8	n/a	n/a
Declared EER_d 25°C			n/a	4.66	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	191.0	n/a	n/a
Declared EER_d 20°C			n/a	5.19	n/a	n/a
Sound Power Level		dB(A)	n/a	103	n/a	n/a
Air Volume		m^3/h	n/a	384607	n/a	n/a
Off mode P_{OFF}		kW	n/a	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	4.930	n/a	n/a
Standby Mode P_{SB}		kW	n/a	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	0.934	n/a	n/a

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Technical Data

OFC098X22-88HS6, OFC101X22-99MS5

Ecodesign

	Notes:	Units	OFC098X22-88HS6		OFC101X22-99MS5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.29	6.40	6.00	6.09
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1101410.6	1076120.8	1230608.4	1201484.6
Rated Refrigerant Capacity P_A	1,3,5	kW	929.6	924.0	988.7	981.9
Rated Power Input D_A		kW	316.6	319.1	370.9	374.1
Rated $EER_{DC,A}$			2.94	2.90	2.67	2.62
Declared Refrigerant Capacity P_B	1,3,5	kW	867.2	862.1	922.3	916.1
Declared Power Input D_B		kW	224.2	224.5	253.6	253.8
Declared $EER_{DC,B}$			3.87	3.84	3.64	3.61
Declared Refrigerant Capacity P_C	1,3,5	kW	804.8	800.1	855.9	850.2
Declared Power Input D_C		kW	163.3	162.9	183.5	182.8
Declared $EER_{DC,C}$			4.93	4.91	4.66	4.65
Declared Refrigerant Capacity P_D	1,3,5	kW	742.4	738.2	789.5	784.4
Declared Power Input D_D		kW	72.2	68.0	79.2	74.5
Declared $EER_{DC,D}$			10.28	10.86	9.97	10.53
SSCEE	2,3,5	%	163.77%	164.78%	151.88%	152.83%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	935.8	928.9	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	929.6	924.0	n/a	n/a
Declared EER_d 35°C			2.94	2.90	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	683.3	679.5	n/a	n/a
Declared EER_d 30°C			3.62	3.60	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	437.1	435.1	n/a	n/a
Declared EER_d 25°C			4.72	4.73	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	190.8	190.6	n/a	n/a
Declared EER_d 20°C			5.32	5.35	n/a	n/a
Sound Power Level		dB(A)	103	103	n/a	n/a
Air Volume		m^3/h	402545	384607	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	6.178	4.908	n/a	n/a
Standby Mode P_{SB}		kW	0.934	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.934	0.934	n/a	n/a

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Technical Data

OFC104X22-99MS7, OFC101X22-99HS5

Ecodesign

	Notes:	Units	OFC104X22-99MS7		OFC101X22-99HS5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.07	6.16	6.10	6.20
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1251579.5	1221587.8	1212153.9	1182053.5
Rated Refrigerant Capacity P_A	1,3,5	kW	1018.1	1011.0	990.5	983.8
Rated Power Input D_A		kW	374.9	378.1	361.7	364.7
Rated $EER_{DC,A}$			2.72	2.67	2.74	2.70
Declared Refrigerant Capacity P_B	1,3,5	kW	949.7	943.2	924.0	917.8
Declared Power Input D_B		kW	258.4	258.7	250.1	250.3
Declared $EER_{DC,B}$			3.68	3.65	3.69	3.67
Declared Refrigerant Capacity P_C	1,3,5	kW	881.4	875.5	857.5	851.9
Declared Power Input D_C		kW	187.2	186.4	180.4	179.7
Declared $EER_{DC,C}$			4.71	4.70	4.75	4.74
Declared Refrigerant Capacity P_D	1,3,5	kW	813.1	807.7	791.0	785.9
Declared Power Input D_D		kW	80.3	75.5	78.2	73.3
Declared $EER_{DC,D}$			10.12	10.70	10.12	10.73
SSCEE	2,3,5	%	155.78%	156.95%	155.36%	156.43%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC104X22-99HS7, OFC110X22-09MS6

Ecodesign

	Notes:	Units	OFC104X22-99HS7		OFC110X22-09MS6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.17	6.28	6.02	6.12
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1233689.3	1202554.3	1302390.8	1269293.3
Rated Refrigerant Capacity P_A	1,3,5	kW	1020.4	1013.4	1049.3	1041.5
Rated Power Input D_A		kW	365.6	368.7	405.1	408.5
Rated $EER_{DC,A}$			2.79	2.75	2.59	2.55
Declared Refrigerant Capacity P_B	1,3,5	kW	951.9	945.5	978.7	971.7
Declared Power Input D_B		kW	254.8	255.1	283.6	284.2
Declared $EER_{DC,B}$			3.74	3.71	3.45	3.42
Declared Refrigerant Capacity P_C	1,3,5	kW	883.5	877.6	908.2	901.8
Declared Power Input D_C		kW	184.2	183.4	196.4	195.6
Declared $EER_{DC,C}$			4.80	4.79	4.63	4.61
Declared Refrigerant Capacity P_D	1,3,5	kW	815.0	809.7	837.7	831.9
Declared Power Input D_D		kW	79.4	74.3	79.5	74.2
Declared $EER_{DC,D}$			10.27	10.89	10.54	11.21
SSCEE	2,3,5	%	159.42%	160.72%	143.17%	144.01%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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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.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

OFC115X22-00MS7, OFC121X22-11MS8

Ecodesign

	Notes:	Units	OFC115X22-00MS7		OFC121X22-11MS8	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.81	5.89	6.06	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1372585.3	1341597.9	1416608.4	1379713.2
Rated Refrigerant Capacity P_A	1,3,5	kW	1069.1	1060.6	1148.6	1139.1
Rated Power Input D_A		kW	431.5	435.1	475.1	479.3
Rated $EER_{DC,A}$			2.48	2.44	2.42	2.38
Declared Refrigerant Capacity P_B	1,3,5	kW	997.3	989.5	1071.4	1062.7
Declared Power Input D_B		kW	306.6	307.5	321.9	322.6
Declared $EER_{DC,B}$			3.25	3.22	3.33	3.29
Declared Refrigerant Capacity P_C	1,3,5	kW	925.5	918.4	994.2	986.3
Declared Power Input D_C		kW	211.1	210.7	215.5	214.8
Declared $EER_{DC,C}$			4.38	4.36	4.61	4.59
Declared Refrigerant Capacity P_D	1,3,5	kW	853.7	847.3	917.0	909.9
Declared Power Input D_D		kW	80.5	75.4	82.6	76.8
Declared $EER_{DC,D}$			10.61	11.23	11.10	11.85
SSCEE	2,3,5	%	140.80%	141.61%	147.50%	148.96%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC074X16-66ML1, OFC074X16-66HL1

Ecodesign

	Notes:	Units	OFC074X16-66ML1		OFC074X16-66HL1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.26	6.31	6.01	6.09
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	821104.2	807425.9	851408.8	833427.6
Rated Refrigerant Capacity P_A	1,3,5	kW	689.0	683.1	686.2	680.5
Rated Power Input D_A		kW	244.6	247.3	243.3	245.9
Rated $EER_{DC,A}$			2.82	2.76	2.82	2.77
Declared Refrigerant Capacity P_B	1,3,5	kW	642.8	637.3	640.1	634.8
Declared Power Input D_B		kW	165.8	166.8	174.1	174.9
Declared $EER_{DC,B}$			3.88	3.82	3.68	3.63
Declared Refrigerant Capacity P_C	1,3,5	kW	596.5	591.5	594.1	589.2
Declared Power Input D_C		kW	121.0	121.0	125.6	125.6
Declared $EER_{DC,C}$			4.93	4.89	4.73	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	550.3	545.7	548.0	543.6
Declared Power Input D_D		kW	54.4	51.7	56.0	52.6
Declared $EER_{DC,D}$			10.12	10.56	9.78	10.33
SSCEE	2,3,5	%	155.72%	154.66%	151.65%	150.64%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC079X16-76ML2, OFC079X16-76HL2

Ecodesign

	Notes:	Units	OFC079X16-76ML2		OFC079X16-76HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.32	6.37	5.88	5.96
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	870023.3	854152.4	924851.3	904427.7
Rated Refrigerant Capacity P_A	1,3,5	kW	735.9	729.2	728.9	722.3
Rated Power Input D_A		kW	263.8	266.6	264.9	267.7
Rated $EER_{DC,A}$			2.79	2.73	2.75	2.70
Declared Refrigerant Capacity P_B	1,3,5	kW	686.5	680.2	679.9	673.9
Declared Power Input D_B		kW	181.8	182.6	192.3	193.1
Declared $EER_{DC,B}$			3.78	3.72	3.53	3.49
Declared Refrigerant Capacity P_C	1,3,5	kW	637.0	631.3	630.9	625.4
Declared Power Input D_C		kW	129.7	129.8	136.1	136.1
Declared $EER_{DC,C}$			4.91	4.86	4.63	4.59
Declared Refrigerant Capacity P_D	1,3,5	kW	587.6	582.3	582.0	576.9
Declared Power Input D_D		kW	55.4	52.4	60.2	56.4
Declared $EER_{DC,D}$			10.60	11.11	9.66	10.23
SSCEE	2,3,5	%	150.17%	149.22%	143.67%	142.85%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC083X16-77ML2, OFC083X16-77HL2

Ecodesign

	Notes:	Units	OFC083X16-77ML2		OFC083X16-77HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.17	6.22	5.66	5.74
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	943851.5	925579.9	1012799.7	989874.4
Rated Refrigerant Capacity P_A	1,3,5	kW	779.1	771.5	768.0	760.7
Rated Power Input D_A		kW	282.8	285.8	286.4	289.4
Rated $EER_{DC,A}$			2.75	2.70	2.68	2.63
Declared Refrigerant Capacity P_B	1,3,5	kW	726.8	719.7	716.4	709.6
Declared Power Input D_B		kW	197.1	197.8	210.0	210.7
Declared $EER_{DC,B}$			3.69	3.64	3.41	3.37
Declared Refrigerant Capacity P_C	1,3,5	kW	674.4	667.8	664.7	658.5
Declared Power Input D_C		kW	141.8	142.0	151.4	151.3
Declared $EER_{DC,C}$			4.75	4.70	4.39	4.35
Declared Refrigerant Capacity P_D	1,3,5	kW	622.0	616.0	613.1	607.4
Declared Power Input D_D		kW	59.5	56.1	64.8	60.7
Declared $EER_{DC,D}$			10.46	10.98	9.47	10.01
SSCEE	2,3,5	%	148.51%	147.78%	141.14%	140.52%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC083X16-77ML2, OFC083X16-77HL2

Ecodesign

	Notes:	Units	OFC083X16-77ML2		OFC083X16-77HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.17	6.22	5.66	5.74
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	943851.5	925579.9	1012799.7	989874.4
Rated Refrigerant Capacity P_A	1,3,5	kW	779.1	771.5	768.0	760.7
Rated Power Input D_A		kW	282.8	285.8	286.4	289.4
Rated $EER_{DC,A}$			2.75	2.70	2.68	2.63
Declared Refrigerant Capacity P_B	1,3,5	kW	726.8	719.7	716.4	709.6
Declared Power Input D_B		kW	197.1	197.8	210.0	210.7
Declared $EER_{DC,B}$			3.69	3.64	3.41	3.37
Declared Refrigerant Capacity P_C	1,3,5	kW	674.4	667.8	664.7	658.5
Declared Power Input D_C		kW	141.8	142.0	151.4	151.3
Declared $EER_{DC,C}$			4.75	4.70	4.39	4.35
Declared Refrigerant Capacity P_D	1,3,5	kW	622.0	616.0	613.1	607.4
Declared Power Input D_D		kW	59.5	56.1	64.8	60.7
Declared $EER_{DC,D}$			10.46	10.98	9.47	10.01
SSCEE	2,3,5	%	148.51%	147.78%	141.14%	140.52%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC075X18-66ML1, OFC075X18-66HL1

Ecodesign

	Notes:	Units	OFC075X18-66ML1		OFC075X18-66HL1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.41	6.47	6.14	6.24
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	815742.5	801549.6	847006.7	828276.9
Rated Refrigerant Capacity P_A	1,3,5	kW	701.7	696.6	698.4	693.5
Rated Power Input D_A		kW	240.0	242.3	238.9	241.1
Rated $EER_{DC,A}$			2.92	2.88	2.92	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	654.6	649.9	651.6	647.0
Declared Power Input D_B		kW	164.4	165.1	172.8	173.5
Declared $EER_{DC,B}$			3.98	3.94	3.77	3.73
Declared Refrigerant Capacity P_C	1,3,5	kW	607.6	603.3	604.8	600.6
Declared Power Input D_C		kW	120.9	121.0	125.6	125.7
Declared $EER_{DC,C}$			5.03	4.99	4.81	4.78
Declared Refrigerant Capacity P_D	1,3,5	kW	560.5	556.6	557.9	554.1
Declared Power Input D_D		kW	53.9	51.2	55.7	52.1
Declared $EER_{DC,D}$			10.40	10.88	10.02	10.63
SSCEE	2,3,5	%	160.69%	159.95%	156.28%	155.57%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC075X18-66ML1, OFC075X18-66HL1

Ecodesign

	Notes:	Units	OFC075X18-66ML1		OFC075X18-66HL1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.41	6.47	6.14	6.24
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	815742.5	801549.6	847006.7	828276.9
Rated Refrigerant Capacity P_A	1,3,5	kW	701.7	696.6	698.4	693.5
Rated Power Input D_A		kW	240.0	242.3	238.9	241.1
Rated $EER_{DC,A}$			2.92	2.88	2.92	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	654.6	649.9	651.6	647.0
Declared Power Input D_B		kW	164.4	165.1	172.8	173.5
Declared $EER_{DC,B}$			3.98	3.94	3.77	3.73
Declared Refrigerant Capacity P_C	1,3,5	kW	607.6	603.3	604.8	600.6
Declared Power Input D_C		kW	120.9	121.0	125.6	125.7
Declared $EER_{DC,C}$			5.03	4.99	4.81	4.78
Declared Refrigerant Capacity P_D	1,3,5	kW	560.5	556.6	557.9	554.1
Declared Power Input D_D		kW	53.9	51.2	55.7	52.1
Declared $EER_{DC,D}$			10.40	10.88	10.02	10.63
SSCEE	2,3,5	%	160.69%	159.95%	156.28%	155.57%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC080X18-76ML2, OFC080X18-76HL2

Ecodesign

	Notes:	Units	OFC080X18-76ML2		OFC080X18-76HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.49	6.55	6.03	6.10
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	863142.1	847128.7	918797.5	900409.7
Rated Refrigerant Capacity P_A	1,3,5	kW	750.5	744.7	742.9	737.3
Rated Power Input D_A		kW	258.6	261.0	259.8	262.1
Rated $EER_{DC,A}$			2.90	2.85	2.86	2.81
Declared Refrigerant Capacity P_B	1,3,5	kW	700.2	694.8	693.0	687.9
Declared Power Input D_B		kW	180.2	180.9	190.8	191.5
Declared $EER_{DC,B}$			3.89	3.84	3.63	3.59
Declared Refrigerant Capacity P_C	1,3,5	kW	649.8	644.8	643.2	638.4
Declared Power Input D_C		kW	129.3	129.4	136.1	136.1
Declared $EER_{DC,C}$			5.03	4.98	4.73	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	599.4	594.9	593.3	589.0
Declared Power Input D_D		kW	54.9	51.9	59.7	56.3
Declared $EER_{DC,D}$			10.91	11.46	9.95	10.47
SSCEE	2,3,5	%	155.31%	154.66%	148.22%	147.67%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC085X18-77ML2, OFC085X18-77HL2

Ecodesign

	Notes:	Units	OFC085X18-77ML2		OFC085X18-77HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.34	6.41	5.81	5.88
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	935905.2	917920.1	1006283.2	985756.5
Rated Refrigerant Capacity P_A	1,3,5	kW	795.7	789.1	783.8	777.5
Rated Power Input D_A		kW	277.0	279.5	280.6	283.1
Rated $EER_{DC,A}$			2.87	2.82	2.79	2.75
Declared Refrigerant Capacity P_B	1,3,5	kW	742.2	736.2	731.1	725.4
Declared Power Input D_B		kW	195.4	196.0	208.2	208.9
Declared $EER_{DC,B}$			3.80	3.76	3.51	3.47
Declared Refrigerant Capacity P_C	1,3,5	kW	688.8	683.2	678.5	673.2
Declared Power Input D_C		kW	141.4	141.5	151.4	151.4
Declared $EER_{DC,C}$			4.87	4.83	4.48	4.45
Declared Refrigerant Capacity P_D	1,3,5	kW	635.4	630.3	625.9	621.0
Declared Power Input D_D		kW	58.9	55.6	64.2	60.5
Declared $EER_{DC,D}$			10.79	11.34	9.74	10.26
SSCEE	2,3,5	%	153.87%	153.45%	145.76%	145.44%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC089X18-87ML3, OFC091X18-87ML5

Ecodesign

	Notes:	Units	OFC089X18-87ML3		OFC091X18-87ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.12	6.22	6.22	6.31
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1020708.3	995553.8	1022357.5	997760.6
Rated Refrigerant Capacity P_A	1,3,5	kW	837.4	830.3	852.1	844.6
Rated Power Input D_A		kW	303.5	306.6	305.3	308.4
Rated $EER_{DC,A}$			2.76	2.71	2.79	2.74
Declared Refrigerant Capacity P_B	1,3,5	kW	781.1	774.6	794.9	788.0
Declared Power Input D_B		kW	209.4	210.0	210.8	211.3
Declared $EER_{DC,B}$			3.73	3.69	3.77	3.73
Declared Refrigerant Capacity P_C	1,3,5	kW	724.9	718.9	737.7	731.3
Declared Power Input D_C		kW	149.5	149.3	150.5	150.3
Declared $EER_{DC,C}$			4.85	4.82	4.90	4.87
Declared Refrigerant Capacity P_D	1,3,5	kW	668.7	663.2	680.5	674.7
Declared Power Input D_D		kW	67.3	62.8	66.8	62.5
Declared $EER_{DC,D}$			9.94	10.57	10.18	10.80
SSCEE	2,3,5	%	152.49%	152.17%	154.89%	154.61%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

(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.
(6) Please contact Airedale regarding Non Compliant selections

Technical Data

OFC089X18-87HL3, OFC091X18-87HL5

Ecodesign

	Notes:	Units	OFC089X18-87HL3		OFC091X18-87HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.99	6.09	6.10	6.20
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1034879.0	1008834.5	1033875.1	1008099.4
Rated Refrigerant Capacity P_A	1,3,5	kW	830.7	823.9	845.4	838.2
Rated Power Input D_A		kW	301.1	304.2	302.9	305.9
Rated $EER_{DC,A}$			2.76	2.71	2.79	2.74
Declared Refrigerant Capacity P_B	1,3,5	kW	774.9	768.6	788.6	782.0
Declared Power Input D_B		kW	213.7	214.4	215.0	215.7
Declared $EER_{DC,B}$			3.63	3.58	3.67	3.62
Declared Refrigerant Capacity P_C	1,3,5	kW	719.1	713.3	731.9	725.7
Declared Power Input D_C		kW	155.8	155.6	157.0	156.8
Declared $EER_{DC,C}$			4.62	4.58	4.66	4.63
Declared Refrigerant Capacity P_D	1,3,5	kW	663.4	658.0	675.1	669.5
Declared Power Input D_D		kW	65.9	61.3	64.9	60.4
Declared $EER_{DC,D}$			10.07	10.74	10.40	11.08
SSCEE	2,3,5	%	153.85%	153.57%	156.24%	156.00%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC092X18-88ML3, OFC095X18-88ML5

Ecodesign

	Notes:	Units	OFC092X18-88ML3		OFC095X18-88ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.95	6.05	6.05	6.14
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1100011.3	1072619.5	1102039.6	1075203.3
Rated Refrigerant Capacity P_A	1,3,5	kW	876.7	869.2	892.8	884.9
Rated Power Input D_A		kW	331.7	335.4	333.8	337.5
Rated $EER_{DC,A}$			2.64	2.59	2.67	2.62
Declared Refrigerant Capacity P_B	1,3,5	kW	817.8	810.8	832.8	825.5
Declared Power Input D_B		kW	225.4	226.0	227.1	227.7
Declared $EER_{DC,B}$			3.63	3.59	3.67	3.63
Declared Refrigerant Capacity P_C	1,3,5	kW	758.9	752.5	772.9	766.1
Declared Power Input D_C		kW	162.3	162.0	163.5	163.1
Declared $EER_{DC,C}$			4.68	4.65	4.73	4.70
Declared Refrigerant Capacity P_D	1,3,5	kW	700.0	694.2	712.9	706.8
Declared Power Input D_D		kW	71.7	66.9	71.2	66.6
Declared $EER_{DC,D}$			9.76	10.37	10.01	10.61
SSCEE	2,3,5	%	149.96%	149.81%	152.35%	152.24%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC093X18-88HL3, OFC095X18-88HL5

Ecodesign

	Notes:	Units	OFC093X18-88HL3		OFC095X18-88HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.03	6.13	6.14	6.24
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1084123.3	1055947.1	1083569.2	1055579.6
Rated Refrigerant Capacity P_A	1,3,5	kW	874.9	867.5	891.2	883.4
Rated Power Input D_A		kW	323.0	326.5	325.1	328.6
Rated $EER_{DC,A}$			2.71	2.66	2.74	2.69
Declared Refrigerant Capacity P_B	1,3,5	kW	816.1	809.3	831.4	824.2
Declared Power Input D_B		kW	222.2	222.8	223.8	224.5
Declared $EER_{DC,B}$			3.67	3.63	3.71	3.67
Declared Refrigerant Capacity P_C	1,3,5	kW	757.3	751.0	771.5	764.9
Declared Power Input D_C		kW	159.4	159.0	160.6	160.2
Declared $EER_{DC,C}$			4.75	4.72	4.80	4.77
Declared Refrigerant Capacity P_D	1,3,5	kW	698.5	692.8	711.7	705.6
Declared Power Input D_D		kW	71.1	66.1	70.1	65.2
Declared $EER_{DC,D}$			9.83	10.48	10.16	10.82
SSCEE	2,3,5	%	153.00%	152.89%	155.47%	155.40%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC099X18-99ML4, OFC102X18-99ML6

Ecodesign

	Notes:	Units	OFC099X18-99ML4		OFC102X18-99ML6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.84	5.94	5.95	6.04
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1231602.2	1198430.9	1231277.5	1199138.5
Rated Refrigerant Capacity P_A	1,3,5	kW	964.2	954.7	981.3	971.3
Rated Power Input D_A		kW	385.5	390.2	387.8	392.6
Rated $EER_{DC,A}$			2.50	2.45	2.53	2.47
Declared Refrigerant Capacity P_B	1,3,5	kW	899.4	890.6	915.5	906.2
Declared Power Input D_B		kW	256.4	256.9	258.1	258.6
Declared $EER_{DC,B}$			3.51	3.47	3.55	3.50
Declared Refrigerant Capacity P_C	1,3,5	kW	834.7	826.6	849.6	841.1
Declared Power Input D_C		kW	182.2	181.8	183.3	182.9
Declared $EER_{DC,C}$			4.58	4.55	4.63	4.60
Declared Refrigerant Capacity P_D	1,3,5	kW	769.9	762.6	783.7	776.0
Declared Power Input D_D		kW	79.3	73.5	78.4	72.9
Declared $EER_{DC,D}$			9.71	10.37	10.00	10.65

SSCEE	2,3,5	%	147.19%	147.15%	149.88%	149.88%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC099X18-99HL4, OFC102X18-99HL6

Ecodesign

	Notes:	Units	OFC099X18-99HL4		OFC102X18-99HL6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.94	6.05	6.06	6.16
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1213780.2	1179374.0	1212206.3	1178640.7
Rated Refrigerant Capacity P_A	1,3,5	kW	966.3	957.0	983.9	974.0
Rated Power Input D_A		kW	375.7	380.2	378.0	382.5
Rated $EER_{DC,A}$			2.57	2.52	2.60	2.55
Declared Refrigerant Capacity P_B	1,3,5	kW	901.4	892.8	917.8	908.7
Declared Power Input D_B		kW	253.1	253.7	254.8	255.4
Declared $EER_{DC,B}$			3.56	3.52	3.60	3.56
Declared Refrigerant Capacity P_C	1,3,5	kW	836.5	828.6	851.8	843.4
Declared Power Input D_C		kW	178.9	178.5	180.1	179.6
Declared $EER_{DC,C}$			4.68	4.64	4.73	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	771.6	764.4	785.8	778.1
Declared Power Input D_D		kW	78.4	72.4	77.3	71.5
Declared $EER_{DC,D}$			9.84	10.55	10.17	10.88
SSCEE	2,3,5	%	150.64%	150.68%	153.44%	153.52%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC107X18-09ML5, OFC111X18-00ML6

Ecodesign

	Notes:	Units	OFC107X18-09ML5		OFC111X18-00ML6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.80	5.89	5.63	5.71
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1294701.3	1258572.9	1361664.0	1324800.1
Rated Refrigerant Capacity P_A	1,3,5	kW	1004.1	993.2	1027.5	1015.4
Rated Power Input D_A		kW	419.3	424.3	446.8	452.2
Rated $EER_{DC,A}$			2.39	2.34	2.30	2.25
Declared Refrigerant Capacity P_B	1,3,5	kW	936.6	926.5	958.5	947.3
Declared Power Input D_B		kW	286.3	287.3	310.3	311.7
Declared $EER_{DC,B}$			3.27	3.22	3.09	3.04
Declared Refrigerant Capacity P_C	1,3,5	kW	869.0	859.8	889.5	879.2
Declared Power Input D_C		kW	195.2	195.0	209.7	209.7
Declared $EER_{DC,C}$			4.45	4.41	4.24	4.19
Declared Refrigerant Capacity P_D	1,3,5	kW	801.5	793.0	820.5	811.1
Declared Power Input D_D		kW	77.7	71.5	78.3	72.0
Declared $EER_{DC,D}$			10.32	11.09	10.48	11.27
SSCEE	2,3,5	%	135.35%	135.14%	135.02%	134.73%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC118X18-11ML7

Ecodesign

	Notes:	Units	OFC118X18-11ML7 2 Row	OFC118X18-11ML7 3 Row
SEPR	1,3,5		5.87	5.96
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1400106.4	1359774.7
Rated Refrigerant Capacity P_A	1,3,5	kW	1100.9	1087.3
Rated Power Input D_A		kW	493.6	500.1
Rated $EER_{DC,A}$			2.23	2.17
Declared Refrigerant Capacity P_B	1,3,5	kW	1026.9	1014.4
Declared Power Input D_B		kW	324.6	325.8
Declared $EER_{DC,B}$			3.16	3.11
Declared Refrigerant Capacity P_C	1,3,5	kW	952.9	941.4
Declared Power Input D_C		kW	213.3	212.8
Declared $EER_{DC,C}$			4.47	4.42
Declared Refrigerant Capacity P_D	1,3,5	kW	879.0	868.5
Declared Power Input D_D		kW	80.1	73.4
Declared $EER_{DC,D}$			10.97	11.83
SSCEE	2,3,5	%	141.74%	141.85%
SSCEE Tier	6		Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 35°C			n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 30°C			n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 25°C			n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 20°C			n/a	n/a
Sound Power Level		dB(A)	n/a	n/a
Air Volume		m^3/h	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a

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

Technical Data

OFC076X20-66ML1, OFC076X20-66HL1

Ecodesign

	Notes:	Units	OFC076X20-66ML1		OFC076X20-66HL1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.47	6.35	6.20	6.06
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	818235.0	828140.5	849587.8	863701.4
Rated Refrigerant Capacity P_A	1,3,5	kW	710.7	706.3	707.0	702.8
Rated Power Input D_A		kW	237.7	239.6	236.6	238.5
Rated $EER_{DC,A}$			2.99	2.95	2.99	2.95
Declared Refrigerant Capacity P_B	1,3,5	kW	663.0	659.0	659.6	655.7
Declared Power Input D_B		kW	164.5	165.1	172.9	173.5
Declared $EER_{DC,B}$			4.03	3.99	3.82	3.78
Declared Refrigerant Capacity P_C	1,3,5	kW	615.3	611.6	612.2	608.6
Declared Power Input D_C		kW	121.4	121.4	126.2	126.3
Declared $EER_{DC,C}$			5.07	5.04	4.85	4.82
Declared Refrigerant Capacity P_D	1,3,5	kW	567.7	564.3	564.8	561.5
Declared Power Input D_D		kW	54.1	55.9	55.8	58.4
Declared $EER_{DC,D}$			10.50	10.10	10.12	9.62
SSCEE	2,3,5	%	162.19%	161.78%	157.65%	157.25%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	715.0	710.0	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	710.7	706.3	n/a	n/a
Declared EER_d 35°C			2.99	2.95	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	522.5	519.4	n/a	n/a
Declared EER_d 30°C			3.57	3.54	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	334.4	332.6	n/a	n/a
Declared EER_d 25°C			4.83	4.81	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	146.2	145.8	n/a	n/a
Declared EER_d 20°C			5.07	5.07	n/a	n/a
Sound Power Level		dB(A)	101	101	n/a	n/a
Air Volume		m³/h	365950	349643	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	4.308	3.719	n/a	n/a
Standby Mode P_{SB}		kW	0.924	0.924	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.924	0.924	n/a	n/a

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

Technical Data

OFC081X20-76ML2, OFC081X20-76HL2

Ecodesign

	Notes:	Units	OFC081X20-76ML2		OFC081X20-76HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.55	6.48	6.08	5.99
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	866800.4	868846.4	923980.4	930341.6
Rated Refrigerant Capacity P_A	1,3,5	kW	760.8	755.8	752.8	748.0
Rated Power Input D_A		kW	255.9	257.9	257.1	259.0
Rated $EER_{DC,A}$			2.97	2.93	2.93	2.89
Declared Refrigerant Capacity P_B	1,3,5	kW	709.7	705.1	702.3	697.8
Declared Power Input D_B		kW	180.2	180.6	190.8	191.4
Declared $EER_{DC,B}$			3.94	3.90	3.68	3.65
Declared Refrigerant Capacity P_C	1,3,5	kW	658.6	654.4	651.7	647.7
Declared Power Input D_C		kW	129.8	129.9	137.0	137.0
Declared $EER_{DC,C}$			5.07	5.04	4.76	4.73
Declared Refrigerant Capacity P_D	1,3,5	kW	607.6	603.7	601.2	597.5
Declared Power Input D_D		kW	55.3	55.7	60.1	61.4
Declared $EER_{DC,D}$			10.98	10.84	10.00	9.74
SSCEE	2,3,5	%	156.79%	156.50%	149.47%	149.23%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC086X20-77ML2, OFC086X20-77HL2

Ecodesign

	Notes:	Units	OFC086X20-77ML2		OFC086X20-77HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.41	6.38	5.87	5.82
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	939603.0	936562.1	1011119.2	1011920.3
Rated Refrigerant Capacity P_A	1,3,5	kW	807.2	801.6	794.8	789.5
Rated Power Input D_A		kW	274.0	276.0	277.5	279.6
Rated $EER_{DC,A}$			2.95	2.90	2.86	2.82
Declared Refrigerant Capacity P_B	1,3,5	kW	753.0	747.8	741.5	736.5
Declared Power Input D_B		kW	195.4	195.8	208.1	208.6
Declared $EER_{DC,B}$			3.85	3.82	3.56	3.53
Declared Refrigerant Capacity P_C	1,3,5	kW	698.8	694.0	688.1	683.5
Declared Power Input D_C		kW	142.0	142.1	152.3	152.3
Declared $EER_{DC,C}$			4.92	4.88	4.52	4.49
Declared Refrigerant Capacity P_D	1,3,5	kW	644.5	640.2	634.7	630.6
Declared Power Input D_D		kW	59.2	58.7	64.7	64.9
Declared $EER_{DC,D}$			10.88	10.91	9.81	9.72
SSCEE	2,3,5	%	155.23%	155.21%	146.87%	146.87%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC090X20-87ML3, OFC092X20-87ML5

Ecodesign

	Notes:	Units	OFC090X20-87ML3		OFC092X20-87ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.18	6.19	6.29	6.29
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1026254.6	1017393.5	1026559.0	1017379.9
Rated Refrigerant Capacity P_A	1,3,5	kW	849.9	843.9	865.3	858.9
Rated Power Input D_A		kW	299.4	301.9	301.1	303.7
Rated $EER_{DC,A}$			2.84	2.79	2.87	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	792.8	787.3	807.2	801.3
Declared Power Input D_B		kW	209.3	209.7	210.6	211.0
Declared $EER_{DC,B}$			3.79	3.75	3.83	3.80
Declared Refrigerant Capacity P_C	1,3,5	kW	735.7	730.6	749.1	743.7
Declared Power Input D_C		kW	150.5	150.3	151.6	151.3
Declared $EER_{DC,C}$			4.89	4.86	4.94	4.91
Declared Refrigerant Capacity P_D	1,3,5	kW	678.6	674.0	691.0	686.1
Declared Power Input D_D		kW	67.8	66.3	67.1	65.6
Declared $EER_{DC,D}$			10.01	10.16	10.30	10.46
SSCEE	2,3,5	%	153.88%	154.01%	156.34%	156.53%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC090X20-87HL3, OFC092X20-87HL5

Ecodesign

	Notes:	Units	OFC090X20-87HL3		OFC092X20-87HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.05	6.05	6.16	6.16
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1040428.0	1032334.6	1040301.2	1030338.2
Rated Refrigerant Capacity P_A	1,3,5	kW	842.9	837.0	858.2	852.0
Rated Power Input D_A		kW	297.1	299.6	298.8	301.3
Rated $EER_{DC,A}$			2.84	2.79	2.87	2.83
Declared Refrigerant Capacity P_B	1,3,5	kW	786.3	780.9	800.6	794.9
Declared Power Input D_B		kW	213.3	213.9	214.6	215.2
Declared $EER_{DC,B}$			3.69	3.65	3.73	3.69
Declared Refrigerant Capacity P_C	1,3,5	kW	729.6	724.7	742.9	737.7
Declared Power Input D_C		kW	156.8	156.6	158.0	157.8
Declared $EER_{DC,C}$			4.65	4.63	4.70	4.68
Declared Refrigerant Capacity P_D	1,3,5	kW	673.0	668.5	685.3	680.6
Declared Power Input D_D		kW	66.5	65.1	65.6	64.0
Declared $EER_{DC,D}$			10.13	10.26	10.44	10.63
SSCEE	2,3,5	%	155.15%	155.32%	157.59%	157.82%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC094X20-88ML3, OFC096X20-88ML5

Ecodesign

	Notes:	Units	OFC094X20-88ML3		OFC096X20-88ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.01	6.04	6.12	6.15
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1105889.5	1091234.1	1106865.2	1091644.2
Rated Refrigerant Capacity P_A	1,3,5	kW	890.2	883.7	907.0	900.2
Rated Power Input D_A		kW	326.5	329.5	328.5	331.5
Rated $EER_{DC,A}$			2.73	2.68	2.76	2.72
Declared Refrigerant Capacity P_B	1,3,5	kW	830.3	824.4	846.1	839.8
Declared Power Input D_B		kW	225.1	225.5	226.7	227.1
Declared $EER_{DC,B}$			3.69	3.66	3.73	3.70
Declared Refrigerant Capacity P_C	1,3,5	kW	770.5	765.1	785.1	779.4
Declared Power Input D_C		kW	163.5	163.1	164.7	164.3
Declared $EER_{DC,C}$			4.71	4.69	4.77	4.74
Declared Refrigerant Capacity P_D	1,3,5	kW	710.6	705.7	724.2	719.0
Declared Power Input D_D		kW	72.3	69.9	71.6	69.1
Declared $EER_{DC,D}$			9.83	10.10	10.12	10.40
SSCEE	2,3,5	%	151.31%	151.64%	153.77%	154.16%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC094X20-88HL3, OFC097X20-88HL5

Ecodesign

	Notes:	Units	OFC094X20-88HL3		OFC097X20-88HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.09	6.12	6.20	6.24
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1090387.3	1075593.9	1090973.6	1074358.2
Rated Refrigerant Capacity P_A	1,3,5	kW	888.2	881.8	905.3	898.6
Rated Power Input D_A		kW	318.1	321.0	320.1	323.0
Rated $EER_{DC,A}$			2.79	2.75	2.83	2.78
Declared Refrigerant Capacity P_B	1,3,5	kW	828.5	822.6	844.4	838.3
Declared Power Input D_B		kW	221.8	222.2	223.4	223.8
Declared $EER_{DC,B}$			3.74	3.70	3.78	3.75
Declared Refrigerant Capacity P_C	1,3,5	kW	768.8	763.4	783.6	778.0
Declared Power Input D_C		kW	160.6	160.2	161.9	161.5
Declared $EER_{DC,C}$			4.79	4.76	4.84	4.82
Declared Refrigerant Capacity P_D	1,3,5	kW	709.1	704.2	722.8	717.6
Declared Power Input D_D		kW	71.7	69.2	70.9	68.1
Declared $EER_{DC,D}$			9.89	10.17	10.20	10.53
SSCEE	2,3,5	%	154.31%	154.70%	156.83%	157.30%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC100X20-99ML4, OFC103X20-99ML6

Ecodesign

	Notes:	Units	OFC100X20-99ML4		OFC103X20-99ML6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.91	5.98	6.01	6.10
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1239860.9	1213058.4	1240284.4	1209526.2
Rated Refrigerant Capacity P_A	1,3,5	kW	981.2	973.1	999.2	990.7
Rated Power Input D_A		kW	378.3	382.1	380.5	384.4
Rated $EER_{DC,A}$			2.59	2.55	2.63	2.58
Declared Refrigerant Capacity P_B	1,3,5	kW	915.2	907.8	932.1	924.3
Declared Power Input D_B		kW	255.7	256.1	257.4	257.7
Declared $EER_{DC,B}$			3.58	3.55	3.62	3.59
Declared Refrigerant Capacity P_C	1,3,5	kW	849.3	842.5	865.0	857.8
Declared Power Input D_C		kW	183.9	183.1	185.0	184.2
Declared $EER_{DC,C}$			4.62	4.60	4.68	4.66
Declared Refrigerant Capacity P_D	1,3,5	kW	783.4	777.2	797.9	791.4
Declared Power Input D_D		kW	80.0	75.7	79.3	74.3
Declared $EER_{DC,D}$			9.79	10.27	10.06	10.65
SSCEE	2,3,5	%	148.74%	149.25%	151.52%	152.10%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC101X20-99HL4, OFC104X20-99HL6

Ecodesign

	Notes:	Units	OFC101X20-99HL4		OFC104X20-99HL6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.01	6.09	6.12	6.22
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1221392.5	1193519.1	1221550.8	1190932.3
Rated Refrigerant Capacity P_A	1,3,5	kW	983.2	975.2	1001.7	993.2
Rated Power Input D_A		kW	368.8	372.5	371.0	374.7
Rated $EER_{DC,A}$			2.67	2.62	2.70	2.65
Declared Refrigerant Capacity P_B	1,3,5	kW	917.1	909.8	934.4	926.6
Declared Power Input D_B		kW	252.3	252.7	254.0	254.4
Declared $EER_{DC,B}$			3.63	3.60	3.68	3.64
Declared Refrigerant Capacity P_C	1,3,5	kW	851.1	844.3	867.2	860.0
Declared Power Input D_C		kW	180.7	180.0	181.9	181.1
Declared $EER_{DC,C}$			4.71	4.69	4.77	4.75
Declared Refrigerant Capacity P_D	1,3,5	kW	785.0	778.9	799.9	793.4
Declared Power Input D_D		kW	79.0	74.5	78.2	73.2
Declared $EER_{DC,D}$			9.94	10.46	10.23	10.83

SSCEE	2,3,5	%	152.16%	152.76%	155.05%	155.72%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC109X20-09ML5, OFC114X20-00ML6

Ecodesign

	Notes:	Units	OFC109X20-09ML5		OFC114X20-00ML6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.89	5.97	5.74	5.82
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1299452.1	1268188.4	1364398.9	1330877.6
Rated Refrigerant Capacity P_A	1,3,5	kW	1023.6	1014.3	1048.9	1038.6
Rated Power Input D_A		kW	411.5	415.5	438.3	442.6
Rated $EER_{DC,A}$			2.49	2.44	2.39	2.35
Declared Refrigerant Capacity P_B	1,3,5	kW	954.7	946.1	978.4	968.9
Declared Power Input D_B		kW	284.7	285.4	307.8	308.9
Declared $EER_{DC,B}$			3.35	3.31	3.18	3.14
Declared Refrigerant Capacity P_C	1,3,5	kW	885.8	878.0	907.9	899.2
Declared Power Input D_C		kW	195.9	195.4	209.8	209.6
Declared $EER_{DC,C}$			4.52	4.49	4.33	4.29
Declared Refrigerant Capacity P_D	1,3,5	kW	816.9	809.8	837.5	829.6
Declared Power Input D_D		kW	78.5	73.3	79.1	73.6
Declared $EER_{DC,D}$			10.41	11.04	10.58	11.28
SSCEE	2,3,5	%	136.93%	137.26%	136.84%	137.12%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC120X20-11ML7

Ecodesign

	Notes:	Units	OFC120X20-11ML7 2 Row	OFC120X20-11ML7 3 Row
SEPR	1,3,5		5.99	6.10
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1404049.1	1362082.4
Rated Refrigerant Capacity P_A	1,3,5	kW	1125.1	1113.6
Rated Power Input D_A		kW	483.1	488.3
Rated $EER_{DC,A}$			2.33	2.28
Declared Refrigerant Capacity P_B	1,3,5	kW	1049.5	1038.8
Declared Power Input D_B		kW	322.2	323.0
Declared $EER_{DC,B}$			3.26	3.22
Declared Refrigerant Capacity P_C	1,3,5	kW	973.8	964.1
Declared Power Input D_C		kW	213.6	213.0
Declared $EER_{DC,C}$			4.56	4.53
Declared Refrigerant Capacity P_D	1,3,5	kW	898.2	889.3
Declared Power Input D_D		kW	81.1	74.3
Declared $EER_{DC,D}$			11.08	11.97
SSCEE	2,3,5	%	143.51%	144.30%
SSCEE Tier	6		Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 35°C			n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 30°C			n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 25°C			n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 20°C			n/a	n/a
Sound Power Level		dB(A)	n/a	n/a
Air Volume		m^3/h	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a

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

Technical Data

OFC077X22-66ML1, OFC077X22-66HL1

Ecodesign

	Notes:	Units	OFC077X22-66ML1		OFC077X22-66HL1	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.52	6.58	6.24	6.33
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	820028.5	807945.3	853240.2	835947.6
Rated Refrigerant Capacity P_A	1,3,5	kW	717.6	713.8	713.7	710.1
Rated Power Input D_A		kW	236.3	237.8	235.2	236.8
Rated $EER_{DC,A}$			3.04	3.00	3.03	3.00
Declared Refrigerant Capacity P_B	1,3,5	kW	669.4	666.0	665.8	662.5
Declared Power Input D_B		kW	164.8	165.3	172.9	173.5
Declared $EER_{DC,B}$			4.06	4.03	3.85	3.82
Declared Refrigerant Capacity P_C	1,3,5	kW	621.3	618.1	617.9	614.9
Declared Power Input D_C		kW	121.7	121.8	126.7	126.8
Declared $EER_{DC,C}$			5.10	5.07	4.88	4.85
Declared Refrigerant Capacity P_D	1,3,5	kW	573.1	570.3	570.0	567.3
Declared Power Input D_D		kW	54.2	51.9	56.2	53.0
Declared $EER_{DC,D}$			10.58	10.99	10.14	10.71
SSCEE	2,3,5	%	163.30%	163.21%	158.68%	158.57%
SSCEE Tier	6		Tier 1 (2018)	Tier 1 (2018)	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	722.1	717.7	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	717.6	713.8	n/a	n/a
Declared EER_d 35°C			3.04	3.00	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	527.5	524.9	n/a	n/a
Declared EER_d 30°C			3.60	3.57	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	337.5	336.1	n/a	n/a
Declared EER_d 25°C			4.87	4.85	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	147.5	147.2	n/a	n/a
Declared EER_d 20°C			5.10	5.10	n/a	n/a
Sound Power Level		dB(A)	101	101	n/a	n/a
Air Volume		m³/h	402545	384607	n/a	n/a
Off mode P_{OFF}		kW	0.819	0.819	n/a	n/a
Thermostat-off mode P_{TO}		kW	4.529	3.880	n/a	n/a
Standby Mode P_{SB}		kW	0.934	0.934	n/a	n/a
Crankcase heater mode P_{CK}		kW	0.934	0.934	n/a	n/a

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

Technical Data

OFC082X22-76ML2, OFC082X22-76HL2

Ecodesign

	Notes:	Units	OFC082X22-76ML2		OFC082X22-76HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.60	6.66	6.12	6.20
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	869001.5	855820.6	927041.2	909623.1
Rated Refrigerant Capacity P_A	1,3,5	kW	768.7	764.4	760.4	756.3
Rated Power Input D_A		kW	254.2	255.9	255.4	257.1
Rated $EER_{DC,A}$			3.02	2.99	2.98	2.94
Declared Refrigerant Capacity P_B	1,3,5	kW	717.0	713.1	709.3	705.5
Declared Power Input D_B		kW	180.6	181.0	191.0	191.5
Declared $EER_{DC,B}$			3.97	3.94	3.71	3.68
Declared Refrigerant Capacity P_C	1,3,5	kW	665.4	661.8	658.3	654.8
Declared Power Input D_C		kW	130.3	130.3	137.7	137.7
Declared $EER_{DC,C}$			5.11	5.08	4.78	4.76
Declared Refrigerant Capacity P_D	1,3,5	kW	613.8	610.6	607.2	604.1
Declared Power Input D_D		kW	55.4	53.0	60.3	57.2
Declared $EER_{DC,D}$			11.08	11.52	10.07	10.57
SSCEE	2,3,5	%	157.88%	157.92%	150.40%	150.44%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC087X22-77ML2, OFC087X22-77HL2

Ecodesign

	Notes:	Units	OFC087X22-77ML2		OFC087X22-77HL2	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.47	6.52	5.91	5.98
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	942564.0	927961.8	1015037.4	996036.0
Rated Refrigerant Capacity P_A	1,3,5	kW	816.0	811.3	803.3	798.8
Rated Power Input D_A		kW	272.1	273.8	275.6	277.3
Rated $EER_{DC,A}$			3.00	2.96	2.92	2.88
Declared Refrigerant Capacity P_B	1,3,5	kW	761.2	756.8	749.4	745.2
Declared Power Input D_B		kW	195.9	196.2	208.2	208.7
Declared $EER_{DC,B}$			3.89	3.86	3.60	3.57
Declared Refrigerant Capacity P_C	1,3,5	kW	706.4	702.4	695.4	691.5
Declared Power Input D_C		kW	142.4	142.5	153.0	153.0
Declared $EER_{DC,C}$			4.96	4.93	4.55	4.52
Declared Refrigerant Capacity P_D	1,3,5	kW	651.5	647.9	641.4	637.9
Declared Power Input D_D		kW	59.4	56.9	65.0	61.6
Declared $EER_{DC,D}$			10.96	11.39	9.87	10.35
SSCEE	2,3,5	%	156.21%	156.55%	147.67%	147.97%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC091X22-87ML3, OFC093X22-87ML5

Ecodesign

	Notes:	Units	OFC091X22-87ML3		OFC093X22-87ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.22	6.32	6.33	6.42
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1031871.3	1008625.8	1031914.0	1010697.6
Rated Refrigerant Capacity P_A	1,3,5	kW	859.5	854.4	875.5	870.0
Rated Power Input D_A		kW	296.7	298.7	298.3	300.4
Rated $EER_{DC,A}$			2.90	2.86	2.93	2.90
Declared Refrigerant Capacity P_B	1,3,5	kW	801.8	797.1	816.6	811.7
Declared Power Input D_B		kW	209.5	209.8	210.8	211.0
Declared $EER_{DC,B}$			3.83	3.80	3.87	3.85
Declared Refrigerant Capacity P_C	1,3,5	kW	744.0	739.7	757.8	753.3
Declared Power Input D_C		kW	151.3	151.1	152.5	152.2
Declared $EER_{DC,C}$			4.92	4.89	4.97	4.95
Declared Refrigerant Capacity P_D	1,3,5	kW	686.2	682.3	699.0	694.9
Declared Power Input D_D		kW	68.3	64.3	67.5	63.9
Declared $EER_{DC,D}$			10.04	10.61	10.35	10.87
SSCEE	2,3,5	%	154.80%	155.33%	157.29%	157.91%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC095X22-88ML3, OFC098X22-88ML5

Ecodesign

	Notes:	Units	OFC095X22-88ML3		OFC098X22-88ML5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.05	6.15	6.16	6.25
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1112011.3	1086699.1	1112600.0	1088787.2
Rated Refrigerant Capacity P_A	1,3,5	kW	900.5	895.0	917.9	912.2
Rated Power Input D_A		kW	322.9	325.4	324.9	327.3
Rated $EER_{DC,A}$			2.79	2.75	2.83	2.79
Declared Refrigerant Capacity P_B	1,3,5	kW	839.9	834.9	856.2	850.9
Declared Power Input D_B		kW	225.1	225.4	226.7	227.0
Declared $EER_{DC,B}$			3.73	3.70	3.78	3.75
Declared Refrigerant Capacity P_C	1,3,5	kW	779.4	774.8	794.5	789.7
Declared Power Input D_C		kW	164.5	164.1	165.8	165.3
Declared $EER_{DC,C}$			4.74	4.72	4.79	4.78
Declared Refrigerant Capacity P_D	1,3,5	kW	718.8	714.7	732.8	728.4
Declared Power Input D_D		kW	72.9	68.6	72.1	68.1
Declared $EER_{DC,D}$			9.86	10.42	10.17	10.69
SSCEE	2,3,5	%	152.14%	152.91%	154.62%	155.49%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC095X22-88HL3, OFC098X22-88HL5

Ecodesign

	Notes:	Units	OFC095X22-88HL3		OFC098X22-88HL5	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.14	6.22	6.25	6.34
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1094103.3	1070853.5	1095300.1	1071102.2
Rated Refrigerant Capacity P_A	1,3,5	kW	898.4	893.0	916.0	910.3
Rated Power Input D_A		kW	314.7	317.0	316.6	319.0
Rated $EER_{DC,A}$			2.85	2.82	2.89	2.85
Declared Refrigerant Capacity P_B	1,3,5	kW	837.9	833.0	854.5	849.2
Declared Power Input D_B		kW	221.9	222.0	223.5	223.6
Declared $EER_{DC,B}$			3.78	3.75	3.82	3.80
Declared Refrigerant Capacity P_C	1,3,5	kW	777.5	773.0	792.9	788.1
Declared Power Input D_C		kW	161.6	161.2	162.9	162.5
Declared $EER_{DC,C}$			4.81	4.80	4.87	4.85
Declared Refrigerant Capacity P_D	1,3,5	kW	717.1	713.1	731.3	727.0
Declared Power Input D_D		kW	71.8	67.9	71.1	67.1
Declared $EER_{DC,D}$			9.99	10.50	10.29	10.84
SSCEE	2,3,5	%	155.11%	155.93%	157.66%	158.59%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC102X22-99ML4, OFC105X22-99ML6

Ecodesign

	Notes:	Units	OFC102X22-99ML4		OFC105X22-99ML6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.96	6.06	6.07	6.17
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1245372.7	1215285.2	1245566.2	1215249.3
Rated Refrigerant Capacity P_A	1,3,5	kW	994.2	987.3	1013.0	1005.8
Rated Power Input D_A		kW	373.2	376.3	375.4	378.5
Rated $EER_{DC,A}$			2.66	2.62	2.70	2.66
Declared Refrigerant Capacity P_B	1,3,5	kW	927.4	921.1	945.0	938.3
Declared Power Input D_B		kW	255.6	255.7	257.3	257.3
Declared $EER_{DC,B}$			3.63	3.60	3.67	3.65
Declared Refrigerant Capacity P_C	1,3,5	kW	860.6	854.8	876.9	870.8
Declared Power Input D_C		kW	185.2	184.5	186.4	185.6
Declared $EER_{DC,C}$			4.65	4.63	4.70	4.69
Declared Refrigerant Capacity P_D	1,3,5	kW	793.7	788.5	808.9	803.4
Declared Power Input D_D		kW	80.3	75.5	79.6	74.7
Declared $EER_{DC,D}$			9.88	10.44	10.17	10.75
SSCEE	2,3,5	%	149.74%	150.77%	152.58%	153.72%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC102X22-99HL4, OFC105X22-99HL6

Ecodesign

	Notes:	Units	OFC102X22-99HL4		OFC105X22-99HL6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		6.07	6.17	6.18	6.29
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1226991.3	1195840.9	1226955.8	1195405.7
Rated Refrigerant Capacity P_A	1,3,5	kW	996.2	989.4	1015.4	1008.2
Rated Power Input D_A		kW	364.0	366.9	366.1	369.1
Rated $EER_{DC,A}$			2.74	2.70	2.77	2.73
Declared Refrigerant Capacity P_B	1,3,5	kW	929.2	923.0	947.2	940.6
Declared Power Input D_B		kW	252.1	252.2	253.8	253.9
Declared $EER_{DC,B}$			3.69	3.66	3.73	3.70
Declared Refrigerant Capacity P_C	1,3,5	kW	862.2	856.5	879.0	872.9
Declared Power Input D_C		kW	182.1	181.3	183.4	182.5
Declared $EER_{DC,C}$			4.73	4.72	4.79	4.78
Declared Refrigerant Capacity P_D	1,3,5	kW	795.3	790.1	810.8	805.3
Declared Power Input D_D		kW	79.3	74.3	78.5	73.5
Declared $EER_{DC,D}$			10.03	10.63	10.33	10.96
SSCEE	2,3,5	%	153.11%	154.26%	156.07%	157.32%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC110X22-09ML5, OFC116X22-00ML6

Ecodesign

	Notes:	Units	OFC110X22-09ML5		OFC116X22-00ML6	
			2 Row	3 Row	2 Row	3 Row
SEPR	1,3,5		5.96	6.05	5.82	5.91
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1305046.1	1272128.5	1368193.2	1334059.1
Rated Refrigerant Capacity P_A	1,3,5	kW	1038.6	1030.7	1065.4	1056.6
Rated Power Input D_A		kW	406.0	409.2	432.2	435.7
Rated $EER_{DC,A}$			2.56	2.52	2.46	2.43
Declared Refrigerant Capacity P_B	1,3,5	kW	968.7	961.4	993.8	985.7
Declared Power Input D_B		kW	283.8	284.2	306.3	307.0
Declared $EER_{DC,B}$			3.41	3.38	3.24	3.21
Declared Refrigerant Capacity P_C	1,3,5	kW	898.7	892.1	922.2	914.8
Declared Power Input D_C		kW	196.9	196.2	210.3	209.8
Declared $EER_{DC,C}$			4.56	4.55	4.38	4.36
Declared Refrigerant Capacity P_D	1,3,5	kW	828.8	822.8	850.5	843.9
Declared Power Input D_D		kW	79.1	73.9	79.8	74.3
Declared $EER_{DC,D}$			10.48	11.14	10.66	11.35
SSCEE	2,3,5	%	137.96%	138.79%	138.06%	138.86%
SSCEE Tier	6		Non Compliant	Non Compliant	Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 35°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 30°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 25°C			n/a	n/a	n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a	n/a	n/a
Declared EER_d 20°C			n/a	n/a	n/a	n/a
Sound Power Level		dB(A)	n/a	n/a	n/a	n/a
Air Volume		m^3/h	n/a	n/a	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a	n/a	n/a

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

Technical Data

OFC122X22-11ML7

Ecodesign

	Notes:	Units	OFC122X22-11ML7 2 Row	OFC122X22-11ML7 3 Row
SEPR	1,3,5		6.07	6.17
SEPR Tier			Tier 2 (2021)	Tier 2 (2021)
Annual Electricity Consumption		kWh/a	1408809.5	1370805.7
Rated Refrigerant Capacity P_A	1,3,5	kW	1143.8	1134.0
Rated Power Input D_A		kW	475.5	479.6
Rated $EER_{DC,A}$			2.41	2.36
Declared Refrigerant Capacity P_B	1,3,5	kW	1066.9	1057.9
Declared Power Input D_B		kW	320.6	321.0
Declared $EER_{DC,B}$			3.33	3.30
Declared Refrigerant Capacity P_C	1,3,5	kW	989.9	981.7
Declared Power Input D_C		kW	214.2	213.3
Declared $EER_{DC,C}$			4.62	4.60
Declared Refrigerant Capacity P_D	1,3,5	kW	913.0	905.6
Declared Power Input D_D		kW	81.8	76.0
Declared $EER_{DC,D}$			11.16	11.92
SSCEE	2,3,5	%	144.61%	146.03%
SSCEE Tier	6		Non Compliant	Non Compliant
Rated Cooling Capacity $P_{rated,c}$	2,4,5	kW	n/a	n/a
Declared Cooling Capacity 35°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 35°C			n/a	n/a
Declared Cooling Capacity 30°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 30°C			n/a	n/a
Declared Cooling Capacity 25°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 25°C			n/a	n/a
Declared Cooling Capacity 20°C Pdc	2,3,5	kW	n/a	n/a
Declared EER_d 20°C			n/a	n/a
Sound Power Level		dB(A)	n/a	n/a
Air Volume		m^3/h	n/a	n/a
Off mode P_{OFF}		kW	n/a	n/a
Thermostat-off mode P_{TO}		kW	n/a	n/a
Standby Mode P_{SB}		kW	n/a	n/a
Crankcase heater mode P_{CK}		kW	n/a	n/a

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

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.

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