Airedale
APPLIED THERMAL INNOVATION

Precision Air Conditioning | DX / CW



EasiCool™

6 - 64kW

ENHANCED EASICOOL™ RANGE:

+ **Up to 37% increase in EER**
+ **Up to 8% more cooling kW/m²**

Compared with our previous generation EasiCool units

HFC R410A — HFC R410A
HFC R407C — HFC R407C
AIR DX — AIR COOLED
WATER DX — WATER COOLED
CW — CHILLED WATER
UPFLOW/DOWNFLOW
SCROLL COMPRESSOR
EC FAN

www.airedale.com

BRITISH MANUFACTURER | ENERGY EFFICIENCY | CONTROLS | 24/7 SERVICE | TRAINING

Precision air conditioning

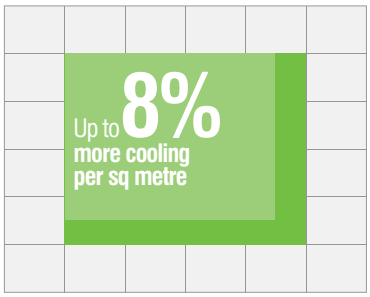
In a value, flexible package

The EasiCool™ is a quiet, efficient, indoor unit that maintains a precisely controlled air conditioned environment within the smallest possible footprint.

An excellent value, modular package that is easy to install, the EasiCool™ is ideal for small computer rooms and other critical applications where performance and reliability are essential and space is at a premium. Providing exceptional configuration flexibility, the EasiCool™ enables you to tailor unit selection to your specific application.

An extensive 374 models offer a choice of:

- Downflow or upflow configuration
- 17 capacity steps
- Three cooling types: Air cooled, water cooled or chilled water
- Two refrigerants: R410A (EZRE) or R407C (EZE)
- Three power supplies: 400V/50Hz (-0); 380V/60Hz (-1) or 220V/60Hz (-2)
- Six case sizes
- Full function (cooling, heating and de-humidification) or cooling only



Minimum space claim

The EasiCool™ typically offers up to 8% more cooling per kW/m² than our previous generation EasiCool™ systems

Backward curved EC fan

Up to 70% more efficient*

Electronically commutated (EC) fans give increased performance for reduced power input

* than an AC fan at part load

Tandem scroll compressors

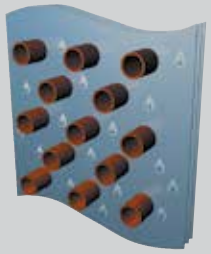
More precise capacity match

Quiet and cost effective scroll compressors in tandem sets for part load efficiencies (20 – 64kW upflow and selected downflow models)

Variable humidification

Using less power input

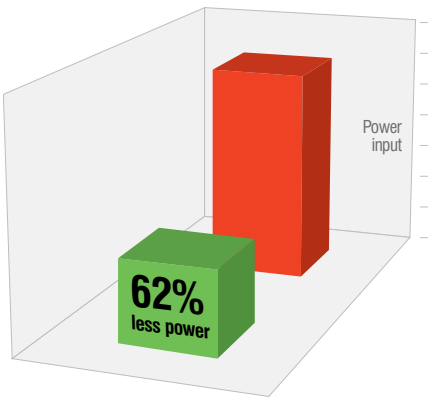
Efficient de-humidification uses less mechanical cooling and minimum re-heat whilst maintaining precise humidification control



Optimised evaporator

More cooling, less space claim

Slab evaporator combined with hydrophilic fin technology to give more cooling in an extremely compact footprint



Power input with HGRH (kW)
Power input with electric heating (kW)

Up to 62% less power input on average with hot gas re-heat (HGRH)

Where heating is used during the cooling de-humidification process, hot gas re-heat (HGRH) offers an eco-friendly, re-heat capability by utilising energy that would normally be rejected outside by the condenser. HGRH is far more efficient than existing electric heat or low pressure hot water as no further power input is required over the standard power requirement for the refrigeration circuit.

EasiCool EER increased by up to 37%

The enhanced EasiCool™ range offers EER* values up to 37% higher than Airedale's previous generation EasiCool™ units. Whilst ensuring the lowest possible life-cycle costs, the EasiCool™ supports stable conditions for sensitive equipment in critical environments where load conditions are typically fluctuating. Intuitive control strategies anticipate and respond immediately to expected or unforeseen load variations, intelligently switching to the best operating mode. Control-led key components work in harmony, simultaneously balancing temperature, humidity, air flow and pressure to maximise part load efficiencies whilst precisely maintaining setpoint.

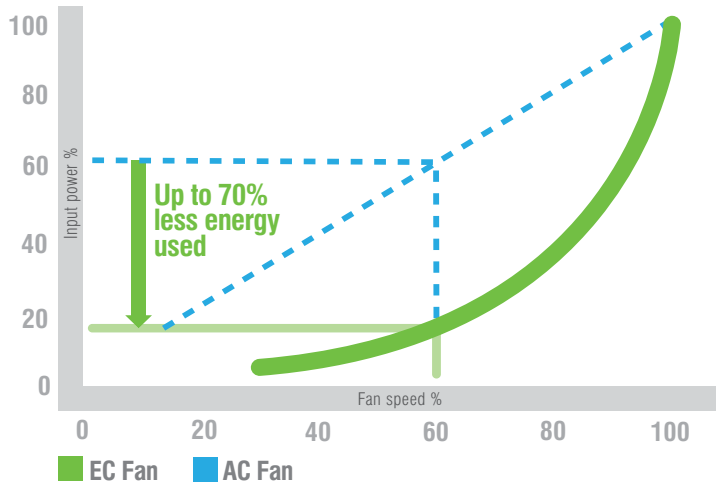
*EER: Energy Efficiency Ratio

Precise capacity match

50 – 100% modulation

When the EasiCool™ is supplied with an optional suction throttle valve and electronic expansion valve compared with a standard tandem scroll compressor configuration

EC fan: Up to 70% more efficient than an AC fan at part load



Up to 70% energy savings*

EC fans available on every unit

EC FAN

Quiet, speed-controlled EC (electronically commutated) fans use substantially less power than an AC fan equivalent at part load conditions. They respond seamlessly to load fluctuations, improving room air distribution and management.

* than an AC fan at part load

Easy, versatile

Future-proof in application

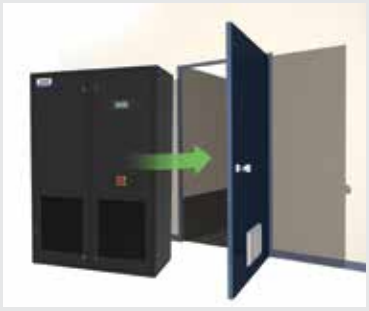
User-friendly and future-proof, the EasiCool™ is designed to give the best performance in all operating conditions, whether in clean rooms, computer rooms, data centres, hospitals, laboratories or other commercial applications.

Growing with your application

When load increases, the compact, modular design of the EasiCool™ makes it easy for multiple units of different size and capacity to be added. As an intelligent stand-alone unit or when networked with up to eight units, the EasiCool™ adapts to your room requirements and ensures 24/7 availability.

Easy to install and maintain

Being a single circuit system, the need for multiple pipe work connections is minimised reducing installation costs. The rigid aluminium exo-frame allows for full service from the front and full 360° unit service and maintenance access via detachable access panels.



EasiCool™: Fits through a standard door

Low sound

When matched with the appropriate Airedale outdoor unit, the EasiCool™ effectively minimises sound during night-time operation and in outdoor sound-critical applications. Night-time set back is also an option. The R410A EasiCool™ can be matched with an R410A configured condenser with EC fan option for even greater efficiency and lower sound levels. See page 5 ‘Environment’ for more details of how the EasiCool™ achieves low sound levels.

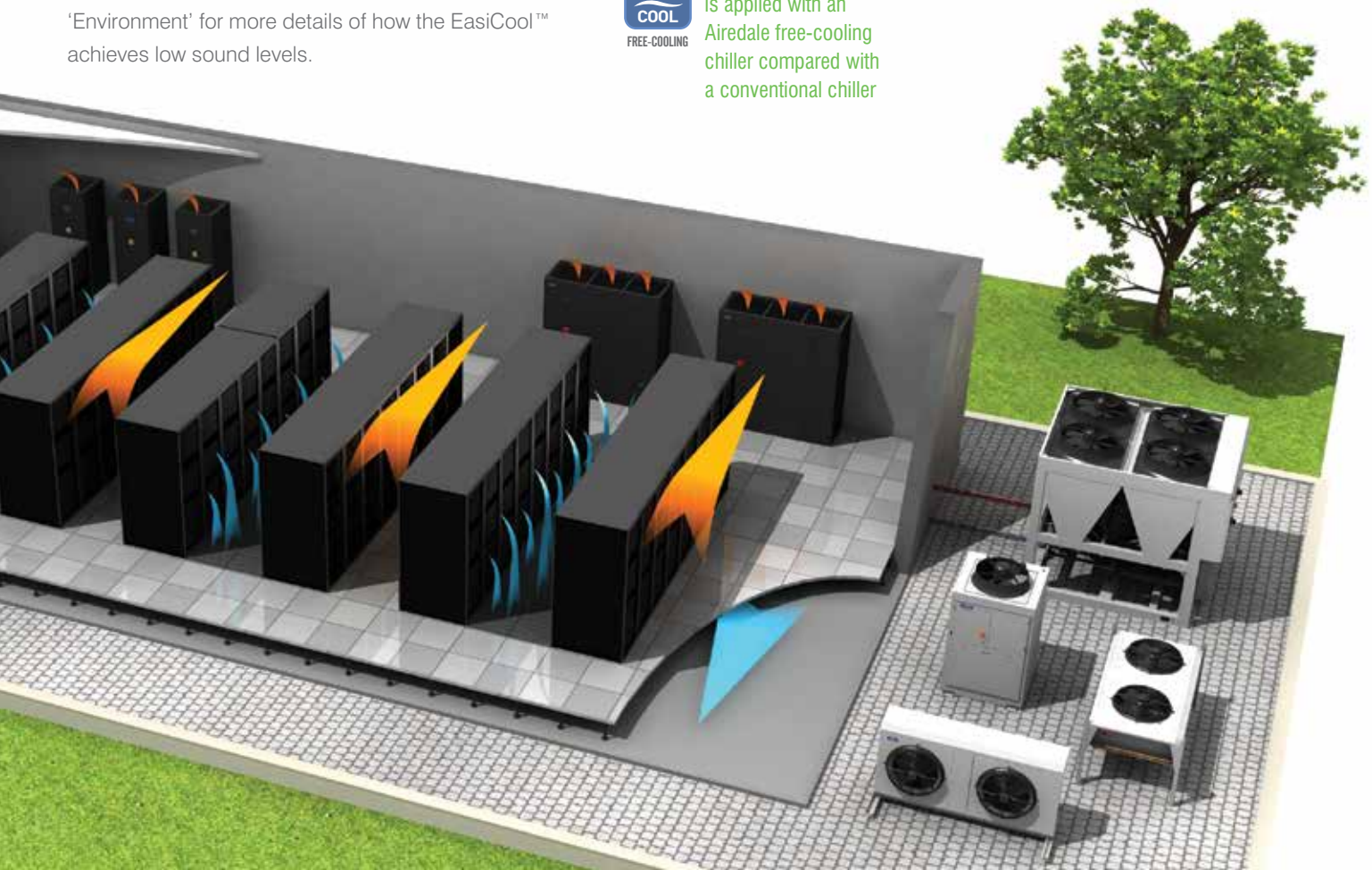
Over 50% energy savings

FREE COOL
FREE-COOLING

When an EasiCool™ is applied with an Airedale free-cooling chiller compared with a conventional chiller

Free-cooling for up to 95% of the year

In a 24/7 data centre with a typical room temperature of 24°C, total life cycle costs can be significantly reduced when EasiCool™ chilled water units are integrated with an Airedale free-cooling chiller which captures free-cooling whenever the ambient is below the return water temperature.



Intelligent controls

Seamlessly managing your system

The control centre of each of our cooling systems is a sophisticated electronic microprocessor with control logic specially developed by Airedale. The intelligent microprocessor uses sensors to send and receive messages to and from active components so they respond and interact. By integrating and sequencing components, the controller manages and optimises the system's performance, availability and power draw, giving the operator complete system control.

Smart networking solutions: Fully-programmable via the control panel's user-friendly display, the microprocessor can be linked with all standard BMS protocols to:

- **Trigger alarm messages**
- **Send alarm/service messages via email or SMS using an interface**
- **Operate time scheduling**
- **Allow adjustment of temperature setpoints**

30%

increase in EER*

An electronic expansion valve (EEV) and reduced head pressure control setting

*Energy Efficiency Ratio

Taking building management to another level

ACIS™ building management system developed by Airedale, enables you to manage smart cooling and other building services, from any manufacturer, in a single, integrated system across multiple sites and communication protocols. ACIS™ sits at the front end of a building system, putting you in control of reducing operating costs.

With the click of a button on a PC, tablet or phone, intelligent information can be pulled back automatically for remote 24/7 monitoring and maintenance; enhanced system operation and improved decision-making.

Integration protocols

Modbus® BACnet™ SNMP ECHELON The LonWorks Company

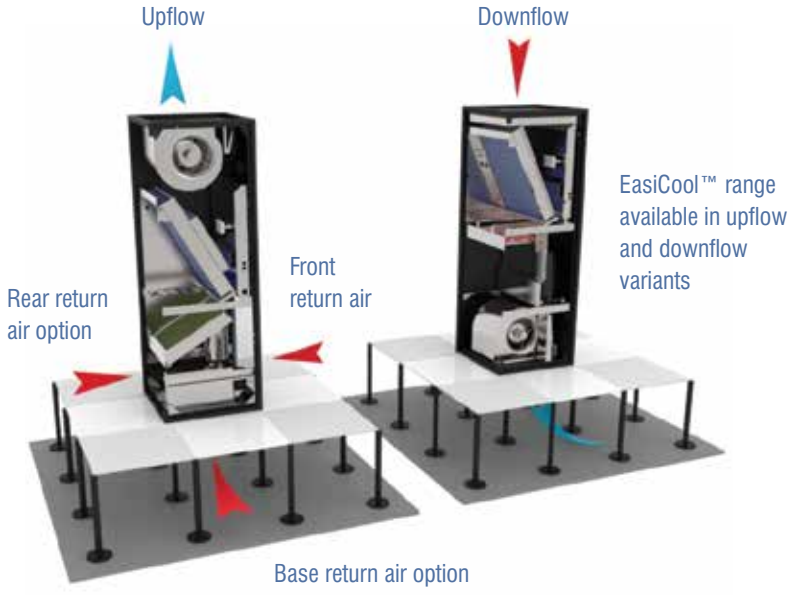
Specifications

At a glance

Configuration flexibility and a choice of 374 models allow selection of the optimum specification in terms of capacity, energy efficiency and sound.

Downflow and upflow configuration

The EasiCool™ downflow unit is ideal for computer rooms and low density areas of a data centre with a raised floor. Upflow models are available configured as base return air for rooms with a raised floor or as rear or front return air (the latter is particularly suitable where the EasiCool™ unit is positioned against a wall.

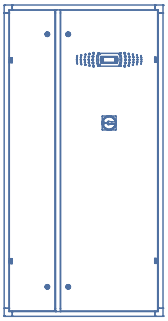


KEY

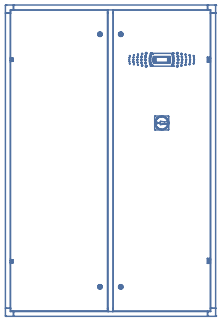
EZRE = R410A EZE = R407C

Case size	Height (mm)	Width (mm)	Depth (mm)
1	1940	670	670
2	1940	990	670
3	1940	1310	670
4	1940	1460	750
5	1940	1835	750
6	1940	2170	750

EZRE 6 – 10
EZE 6 – 10



EZRE 13 – 17
EZE 13 – 17



EZRE 20 – 26
EZE 22 – 25

Environment

- Optimised for R410A which has a high heat transfer coefficient and requires minimum refrigerant charge
- Low noise, axial condenser fans housed in a bellmouth to enhance efficiency and reduce sound levels
- Quiet scroll compressors minimise sound
- Direct drive, speed controllable, forward curved EC fan options (indoor) for reduced sound and power input (6 – 26kW)
- 30mm acoustic insulation on all panels minimises sound levels for quieter operation

Optional

- Upgradeable condenser options to reduce sound and enhance energy efficiency at higher ambients
- Direct drive, speed controllable, backward curved EC fan (indoor) for reduced sound and power input
- Axial EC fans (outdoor) for low sound and power input

Mechanical

- 6 – 64kW nominal cooling capacities
- 374 models
- Six case sizes; each fit through a standard door frame
- Downflow or upflow configurations
- Single circuit systems for quick, simple and low cost installation, minimising multiple pipe work connections
- ‘Slab’ evaporator coil with hydrophilic-coated fins to maximise design air flows and cooling capacity
- Efficient forward curved EC fans as standard on the following 50Hz units: R410A 6-26kW; R407C 6-25kW
- Easy access to components from the front of the unit and full 360° unit access via detachable access panels
- Painted aluminium exo-frame that is extremely rigid

Optional

- Efficient backward curved EC fans; open and enclosed floor stands available
- Anti-vibration mounts
- Duct extensions and integrated plenum enhance sound levels (upflow models)
- Dual purpose condensate pump for humidifier and condensate drains

Complete cooling solutions

Designed as an efficient, stand-alone indoor unit, the performance of the EasiCool™ is further enhanced when integrated with Airedale outdoor products.

EU F-Gas Regulations

This product range contains R407C/R410A fluorinated greenhouse gases with a GWP of 1774 (R407C), 2088 (R410A), weight range of 1.0 - 13.3kg, representing 2.0 - 23.5 equivalent tonnes of CO_2.

Air cooled

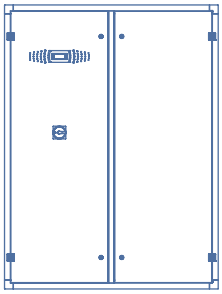
The DX air cooled EasiCool™ can be linked with an Airedale condenser; the condenser is designed for night-time operation and outdoor noise-critical applications

Water cooled

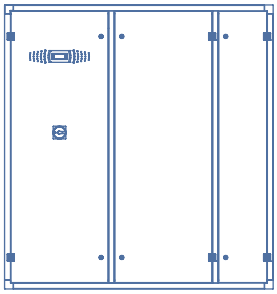
A DX water cooled EasiCool™ can be applied with an Airedale dry cooler or cooling tower

Chilled water

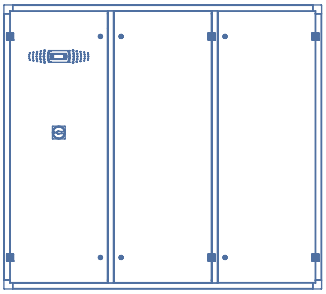
One or more chilled water EasiCool™ units can be integrated with an Airedale chiller; see page 3 for details of how an Airedale free-cooling chiller can achieve savings of over 50% compared with a conventional chiller



EZRE 28 – 31
EZE 26 – 31



EZRE 35 – 45
EZE 35 – 45



EZRE 50 – 60
EZE 50 - 60

Precision

- Full function (cooling, heating and de-humidification) or cooling only
- Variable humidification for precise relative humidity control (adjustable from display)
- Tandem scroll compressors to more precisely match the application (20 – 64kW upflow and selected downflow models)

Optional

- Staged electric heating during de-humidification to ensure thermal balance
- Electric heating for precise control and can be upgraded with thyristor control for fully modulated output
- Low pressure, hot water heating (LPHW)
- Suction throttle valve technology for 50 – 100% variable capacity and precise setpoint control

Electrical & Controls

- Advanced controls technology including alarm management, time scheduling and adjustment of setpoints
- Latest technology control platform for faster processing of information
- Monitoring and adjustment of the head pressure from the display for easier on-site commissioning
- Single point of isolation for ease of maintenance

Optional

- ACIS™ building energy management integrates cooling and other building services, improves data and reduces lifecycle costs
- Electrical supply phase rotation protection
- Energy Manager for local and remote energy analysis and power monitoring
- Refrigerant leak detection for F Gas compliance
- Fire, flood and smoke detection

Energy-saving

- Tandem scroll compressors increase part load efficiencies and flexibility in application (20 – 64kW upflow and selected downflow models)
- EC fans available on all units (indoor and outdoor) contribute to up to 37% increase in EER (Energy Efficiency Ratio)
- Intelligent, variable head pressure control for increased efficiency (adjustable from display)
- Optimised evaporator coils for maximum capacity ensuring low cost per kW.
- High efficiency G4 (EU4) rated, pleated disposable filters give superior high performance with lower airside pressure drops

Optional

- Hot gas re-heat utilises heat that would normally be rejected by the condenser (model dependent)
- Electronic expansion valves (EEVs) for up to 30% increase in efficiency

Technical specifications:

EasiCool X air cooled

		R410A												R407C				
		EZRE-0 (50Hz 400V/N)				EZRE-1 (60Hz 380V/N)				EZRE-2 (60Hz 220V)				EZE-0 (50Hz 400V)				
		Nominal capacity[2]				Nominal capacity[2]				Nominal capacity[2]				Nominal capacity[6]				
Case size	Model[1]	TC (kW)	SC (kW)	EER[3]	Rec mains fuse (A)	TC (kW)	SC (kW)	EER[3]	Rec mains fuse (A)	TC (kW)	SC (kW)	EER[3]	Rec mains fuse (A)	Sound pressure @ 3m (dBA)[5]	TC (kW)	SC (kW)	EER[3]	Rec mains fuse (A)	Sound pressure @ 3m (dBA)[5]
		Downflow DF																	
1	DF6X	6.8	6.8	3.78	25									43	6.7	6.7	4.10	25	43
	DF8X	8.7	8.7	3.47	25					10.0	9.8	3.26	50	48	9.7	9.7	3.57	25	48
	DF10X	11.3	11.3	3.15	25					11.0	11.0	2.94	50	51	11.2	11.2	3.26	25	51
2	DF13X	14.7	14.3	3.89	32					14.4	13.8	3.68	63	48	14.0	14.0	3.68	25	48
	DF15X	16.7	16.4	3.68	32	18.2	17.0	3.68	40	17.3	16.5	3.57	63	47	16.8	16.8	3.36	32	47
	DF17X	19.0	18.8	3.36	32	20.1	18.6	3.47	40	20.7	18.9	3.26	63	50	21.6	20.4	3.26	32	50
3	DF20X2	23.1	22.8	3.36	50					25.8	24.3	3.15	100	52					
	DF22X2	23.8	23.8	3.15	50					26.6	25.9	2.94	125	56	26.9	25.1	3.89	50	56
	DF25X2														27.6	27.3	3.78	50	56
	DF26X/X2[4]	28.6	27.6	3.15	50					28.1	26.9	3.05	125	56	29.1	28.1	3.25	63	53
4	DF28X	27.1	27.1	2.94	80	28.2	28.2	3.05	80	28.2	28.2	2.94	125	55	29.6	29.6	3.02	63	55
	DF31X	30.9	30.9	2.73	80	32.8	32.8	2.84	80	32.8	32.8	2.73	160	58	33.4	33.4	2.48	80	58
5	DF35X	35.8	35.8	2.84	80	38.1	38.1	2.84	100	38.2	38.2	2.84	160	58	41.2	41.2	2.73	80	58
	DF40X	40.0	40.0	2.63	80	43.2	43.2	2.63	100	43.2	43.2	2.63	160	60	46.3	46.3	2.52	80	60
	DF45X	44.8	44.7	2.73	100	48.1	48.1	2.73	100	48.1	48.1	2.73	160	60	51.1	50.0	2.52	100	60
6	DF50X2	52.2	51.3	2.84	100	54.8	54.8	2.94	100	54.8	54.8	2.94	200	56	58.5	55.7	3.15	100	56
	DF55X2	58.8	56.0	2.94	125	63.0	60.5	2.94	125	63.0	60.5	2.94	200	57	64.9	60.3	3.36	100	57
	DF60X2	66.4	62.2	2.84	125	71.3	67.4	2.84	125	71.3	67.4	2.84	200	58	68.5	64.2	3.26	125	58
		Upflow V																	
1	V6X	6.7	6.7	3.68	25									40	6.6	6.6	4.20	25	40
	V8X	8.5	8.5	3.36	25					9.8	9.8	3.47	50	45	9.6	9.6	3.68	25	45
	V10X	11.1	11.1	3.05	25					10.8	10.8	3.15	50	48	12.3	12.3	3.05	25	48
2	V13X	14.4	14.3	3.78	32					14.1	13.8	3.15	63	45	12.0	12.0	3.89	25	45
	V15X	16.4	16.4	3.57	32	17.9	16.9	3.57	40	17.0	16.5	3.57	63	44	16.6	16.6	3.36	32	44
	V17X	18.7	18.7	3.26	32	19.6	18.5	3.36	40	20.3	18.9	3.36	63	47	20.6	19.8	3.15	32	47
3	V20X2	22.7	22.7	3.26	50					25.3	24.2	3.26	100	50					
	V22X2	23.4	23.4	2.94	50					26.0	25.9	3.05	125	54	26.4	24.8	3.78	50	54
	V25X2														27.1	27.0	3.78	50	54
	V26X														29.4	29.4	3.27	63	62
	V26X2	28.6	27.6	3.05	50					28.1	26.9	2.84	125	54	32.6	31.3	3.15	80	54
4	V28X	27.5	27.5	2.84	80	28.8	28.8	2.94	80	28.8	28.8	2.84	125	59	29.9	29.9	2.8	80	65
	V28X2	27.4	27.4	2.94	80					27.6	27.6	2.84	125	58	33.2	33.2	2.73	80	58
	V31X	31.3	31.3	2.63	80	33.3	33.3	2.63	80	33.3	33.3	2.52	160	61	33.7	33.7	2.5	80	67
	V31X2	31.0	31.0	2.63	80	35.1	35.1	2.84	100	33.2	33.2	2.63	125	60	37.3	37.3	2.42	80	60
5	V35X	36.4	36.4	2.73	100	38.9	38.9	2.84	100	38.9	38.9	2.84	160	61	41.7	41.7	2.73	100	61
	V35X2	35.4	35.4	2.73	100	40.2	40.2	3.05	100	41.2	41.2	2.84	160	61	40.5	40.5	2.84	100	61
	V40X	40.5	40.5	2.63	100	43.9	43.9	2.63	125	43.9	43.9	2.63	200	63	46.8	46.8	2.52	100	63
	V40X2	41.3	41.3	2.52	100	47.0	47.0	2.84	125	47.0	47.0	2.84	200	62	44.5	44.5	2.52	100	62
	V45X2	44.7	44.7	2.63	100	52.1	52.1	2.84	125	53.7	53.6	2.84	200	63	49.0	49.0	2.34	100	69
6	V50X2	52.9	52.5	2.73	125	55.8	55.8	2.84	125	55.8	55.8	2.84	200	65	59.5	57.4	3.05	125	65
	V55X2	59.6	57.4	2.84	125	64.1	62.4	2.84	125	64.1	62.4	2.84	200	65	65.5	62.3	3.26	125	65
	V60X2	67.2	63.8	2.63	125	72.5	69.5	2.73	125	72.2	69.1	2.84	200	67	69.2	66.6	3.26	125	67

TC = total cooling | SC = sensible cooling

Electric heating and hot gas re-heat available on all above units - refer to EasiCool™ technical manual

R410A:

1) X2 nomenclature indicates tandem scroll compressor

2) Nominal cooling based on 24°C/45% RH return air, 45°C condensing temperature

3) EER data is for units fitted with EC backward curved fans

4) 26X2 is configured with R410A and 26X with R407C

5) Ducted rear return air on upflow models

R407C:

6) Nominal cooling based on 24°C/45% RH return air 35°C ambient temperature

Performance data calculated in accordance with BSEN 14511-2011 and Eurovent 6/6

Nomenclature explained

DF | 10 | X | -EZR | -0

DF	Downflow
V	Upflow
10	Total Capacity (kW)
X	DX
X2	DX with tandem compressors
WX	Water Cooled
WX2	Water Cooled with tandem compressors
CW	Chilled Water
-EZRE	R410A EasiCool
-EZE	R407C EasiCool
-0	400V / 50Hz
-1	380V / 60Hz
-2	220V / 60Hz

EasiCool WX water cooled

		R410A												R407C				
		EZRE-0 (50Hz 400V/N)				EZRE-1 (60Hz 380V/N)				EZRE-2 (60Hz 220V)					EZE-0 (50Hz 400V)				
		Nominal capacity [2]				Nominal capacity [2]				Nominal capacity [2]					Nominal capacity [7]				
Case size	Model[1]	TC (kW)	SC (kW)	EER[3]	Rec mains fuse (A)	TC (kW)	SC (kW)	EER[3]	Rec mains fuse (A)	TC (kW)	SC (kW)	EER[3]	Rec mains fuse (A)	Sound pressure @ 3m (dBA)[5]	TC (kW)	SC (kW)	EER[3]	Rec mains fuse (A)	Sound pressure @ 3m (dBA)[5]
		Downflow DF																	
1	DF6WX	6.8	6.8	3.78	25									43	6.7	6.7	4.10	25	43
	DF8WX	8.7	8.7	3.47	25					10.0	9.8	3.26	50	48	9.8	9.8	3.68	25	48
	DF10WX	11.3	11.3	3.15	25					11.0	11.0	2.94	50	51	11.4	11.4	3.47	25	51
2	DF13WX	14.7	14.3	3.89	32					14.4	13.8	3.68	50	48	14.4	14.3	3.99	25	48
	DF15WX	16.7	16.4	3.68	32	18.2	17.0	3.68	40	17.3	16.5	3.57	63	47	17.4	17.2	3.78	32	47
	DF17WX	19.0	18.8	3.36	32	20.1	18.6	3.47	40	20.7	18.9	3.26	63	50	22.2	20.6	3.57	32	50
3	DF20WX2	23.1	22.8	3.36	50					25.8	24.3	3.15	100	52					
	DF22WX2	23.8	23.8	3.15	50					26.6	25.9	2.94	100	56	27.0	25.1	3.99	50	56
	DF25WX2														27.8	27.4	3.89	50	56
	DF26WX/WX2	28.6	27.6	3.15	50					28.1	26.9	3.05	100	56	30.9	29.7	3.47	63	56
4	DF28WX	27.1	27.1	2.94	63	28.2	28.2	3.05	63	28.2	28.2	2.94	125	55	31.5	31.5	3.26	63	55
	DF31WX	30.9	30.9	2.73	80	32.8	32.8	2.84	80	32.8	32.8	2.73	125	58	36.0	36.0	2.84	80	58
5	DF35WX	35.8	35.8	2.84	80	38.1	38.1	2.84	80	38.2	38.2	2.84	125	58	42.7	42.7	2.94	80	58
	DF40WX	40.0	40.0	2.63	80	43.2	43.2	2.63	100	43.2	43.2	2.63	160	60	48.5	48.3	2.94	80	60
	DF45WX	44.8	44.7	2.73	80	48.1	48.1	2.73	100	48.1	48.1	2.73	160	60	54.7	51.6	2.94	80	60
6	DF50WX2	52.2	51.3	2.84	100	54.8	54.8	2.94	100	54.8	54.8	2.94	200	56	61.3	57.2	3.78	100	56
	DF55WX2	58.8	56.0	2.94	100	63.0	60.5	2.94	125	63.0	60.5	2.94	200	57	67.5	61.3	3.89	100	57
	DF60WX2	66.4	62.2	2.84	125	71.3	67.4	2.84	125	71.3	67.4	2.84	200	58	71.8	65.6	3.78	100	58
		Upflow V																	
1	V6WX	6.7	6.7	3.68	25									40	6.6	6.6	4.20	25	40
	V8WX	8.5	8.5	3.36	25					9.8	9.8	3.47	50	45	9.6	9.6	3.68	25	45
	V10WX	11.1	11.1	3.05	25					10.8	10.8	3.15	50	48	12.7	12.5	3.36	25	48
2	V13WX	14.4	14.3	3.78	32					14.1	13.8	3.15	50	45	12.0	12.0	3.99	25	45
	V15WX	16.4	16.4	3.57	32	17.9	16.9	3.57	40	17.0	16.5	3.57	63	44	17.1	17.0	3.68	32	44
	V17WX	18.7	18.7	3.26	32	19.6	18.5	3.36	40	20.3	18.9	3.36	63	47	20.9	20.0	3.36	32	47
3	V20WX2	22.7	22.7	3.26	50					25.3	24.2	3.26	100	50					
	V22WX2	23.4	23.4	2.94	50					26.0	25.9	3.05	100	54	26.5	24.9	3.89	50	54
	V25WX2														27.3	27.1	3.78	50	54
	V26WX														31.2	30.8	3.57	63	54
	V26WX2	28.6	27.6	3.05	50					28.1	26.9	2.84	100	54	33.8	31.8	3.47	80	54
4	V28WX	27.5	27.5	2.84	63	28.8	28.8	2.94	63	28.8	28.8	2.84	125	59	31.8	31.8	3.05	63	59
	V28WX2	27.4	27.4	2.94	63					28.8	28.8	2.84	125	58	34.4	33.9	3.05	80	58
	V31WX	31.3	31.3	2.63	80	33.3	33.3	2.63	80	33.3	33.3	2.52	125	61	36.4	36.4	2.94	80	61
	V31WX2	31.0	31.0	2.63	80	33.2	33.2	2.63	80	33.3	33.3	2.52	125	60	39.8	38.7	2.94	80	60
5	V35WX	36.4	36.4	2.73	80	38.9	38.9	2.84	100	38.9	38.9	2.84	160	61	43.3	43.3	3.05	80	61
	V35WX2	35.4	35.4	2.73	80	41.2	41.2	2.84	100	38.9	38.9	2.84	160	61	42.0	42.0	3.05	80	61
	V40WX	40.5	40.5	2.63	100	43.9	43.9	2.63	100	43.9	43.9	2.63	200	63	49.2	49.2	2.94	100	63
	V40WX2	41.3	41.3	2.52	100	47.0	47.0	2.84	100	43.9	43.9	2.63	160	62	46.7	46.7	2.84	100	62
	V45WX2	44.7	44.7	2.63	100	52.1	52.1	2.84	125	53.7	53.6	2.84	200	63	51.0	51.0	2.84	100	63
6	V50WX2	52.9	52.5	2.73	100	55.8	55.8	2.84	100	55.8	55.8	2.84	200	65	62.6	59.1	3.68	100	65
	V55WX2	59.6	57.4	2.84	100	64.1	62.4	2.84	125	64.1	62.4	2.84	200	65	68.4	63.3	3.78	100	65
	V60WX2	67.2	63.8	2.63	125	72.5	69.5	2.73	125	72.2	69.1	2.84	200	67	72.8	68.0	3.78	100	67

TC = total cooling | SC = sensible cooling

Electric heating and hot gas re-heat available on all above units - refer to EasiCool™ technical manual

R410A:

1) X2 nomenclature indicates tandem scroll compressor

2) Nominal cooling based on 24°C/45% RH return air, 45°C condensing temperature

3) EER data is for units fitted with EC backward curved fans

5) Ducted rear return air on upflow models

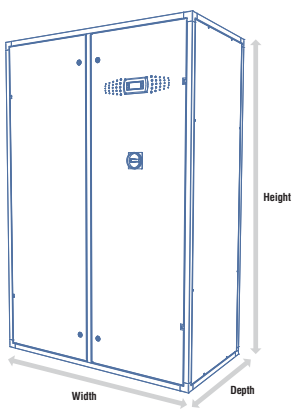
Technical specifications continued overleaf >

R407C:

7) Nominal cooling based on 24°C/45% RH return air, water inlet/outlet 30°C/35°C

Performance data calculated in accordance with BSEN 14511-2011 and Eurovent 6/6

Case size	Height (mm)	Width (mm)	Depth(mm)
1	1940	670	670
2	1940	990	670
3	1940	1310	670
4	1940	1460	750
5	1940	1835	750
6	1940	2170	750



EasiCool CW chilled water

		Chilled water												
		EZRE-0 (50Hz 400V/N)				EZRE-1 (60Hz 380V/N)				EZRE-2 (60Hz 220V)				
		Nominal capacity [8]				Nominal capacity [8]				Nominal capacity [8]				
Case size	Model [1]	TC (kW)	SC (kW)	EER [3]	Rec mains fuse (A)	TC (kW)	SC (kW)	EER [3]	Rec mains fuse (A)	TC (kW)	SC (kW)	EER [3]	Rec mains fuse (A)	Sound pressure @ 3m (dBA) [5]
		Downflow DF												
1	DF6CW	8.0	7.4	38.01	25	8.0	7.4	15.23	32	8.0	7.4	15.23	40	43
	DF8CW	9.7	9.1	20.58	25	9.7	9.1	17.33	32	9.7	9.1	17.33	50	48
	DF10CW	11.8	11.8	16.07	25	11.8	11.8	15.23	32	11.8	11.8	15.23	50	51
2	DF13CW	15.4	13.9	29.61	25	15.4	13.9	19.95	32	15.4	13.9	19.95	50	48
	DF15CW	17.4	16.1	26.04	32	17.4	16.1	26.25	32	17.4	16.1	26.25	50	46
	DF17CW	19.0	17.3	18.80	32	19.0	17.3	28.56	32	19.0	17.3	28.56	50	50
3	DF20CW	22.9	20.8	24.36	40	22.9	20.8	14.91	50	22.9	20.8	14.91	80	52
	DF22CW	24.6	22.7	14.07	40	24.6	22.7	15.96	50	24.6	22.7	15.96	80	52
	DF26CW	26.9	24.8	15.44	40	26.9	24.8	17.43	50	26.9	24.8	17.43	80	56
4	DF28CW	35.9	32.0	13.76	63	35.9	32.0	39.48	63	35.9	32.0	39.48	125	55
	DF31CW	39.9	36.2	8.72	63	39.9	36.2	24.78	80	39.9	36.2	24.78	125	58
5	DF35CW	45.9	42.6	9.98	80	45.9	42.6	28.56	80	45.9	42.6	28.56	160	58
	DF40CW	50.0	46.8	7.98	80	50.0	46.8	22.68	100	50.0	46.8	22.68	160	60
	DF45CW	53.1	49.8	8.40	80	53.1	49.8	24.05	100	53.1	49.8	24.05	160	60
6	DF50CW	53.9	51.6	10.40	100	53.9	51.6	29.61	100	53.9	51.6	29.61	160	56
	DF55CW	61.4	56.1	11.76	100	61.4	56.1	33.71	100	61.4	56.1	33.71	160	56
	DF60CW	65.4	60.4	9.35	100	65.4	60.4	26.67	100	65.4	60.4	26.67	200	58
		Upflow V												
1	V6CW	8.0	7.4	47.04	25	8.0	7.4	15.23	32	8.0	7.4	15.23	40	37
	V8CW	9.7	9.1	24.89	25	9.7	9.1	17.33	32	9.7	9.1	17.33	50	42
	V10CW	11.8	11.8	20.16	25	11.8	11.8	15.23	32	11.8	11.8	15.23	50	45
2	V13CW	15.4	13.9	30.77	25	15.4	13.9	19.95	32	15.4	13.9	19.95	50	42
	V15CW	17.4	16.1	26.88	32	17.4	16.1	26.25	32	17.4	16.1	26.25	50	41
	V17CW	19.0	17.3	19.32	32	19.0	17.3	28.56	32	19.0	17.3	28.56	50	45
3	V20CW	22.9	20.8	24.89	40	22.9	20.8	14.91	50	22.9	20.8	14.91	80	47
	V22CW	24.6	22.7	14.49	40	24.6	22.7	15.96	50	24.6	22.7	15.96	80	47
	V26CW	26.9	24.8	15.86	40	26.9	24.8	17.43	50	26.9	24.8	17.43	80	51
4	V28CW	35.9	32.0	10.29	63	35.9	32.0	29.30	63	35.9	32.0	29.30	125	58
	V31CW	39.9	36.2	8.72	63	39.9	36.2	24.78	80	39.9	36.2	24.78	125	60
5	V35CW	45.9	42.6	9.98	100	45.9	42.6	28.56	100	45.9	42.6	28.56	160	60
	V40CW	50.0	46.8	7.98	100	50.0	46.8	22.68	100	50.0	46.8	22.68	200	62
	V45CW	53.1	49.8	8.40	100	53.1	49.8	24.05	100	53.1	49.8	24.05	200	62
6	V50CW	53.9	51.6	7.67	100	53.9	51.6	21.95	100	53.9	51.6	21.95	200	64
	V55CW	61.4	56.1	8.82	100	61.4	56.1	25.10	100	61.4	56.1	25.10	200	64
	V60CW	65.4	60.4	9.35	100	65.4	60.4	26.67	100	65.4	60.4	26.67	200	66

TC = total cooling | SC = sensible cooling

Electric heating available on all above units - refer to EasiCool technical manual

3) EER data is for units fitted with EC backward curved fans
5) Ducted rear return air on upflow models
8) Nominal cooling based on 24°C db/45% RH return air, 7-12°C water entering-leaving

Performance data calculated in accordance with BSEN 14511-2011 and Eurovent 6/6

EasiCool™ in action: Victoria & Albert Museum data centre

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