



# Daikin UK Price List 2016

**R32  
NOW ON EVEN  
MORE SPLITS  
AND SELECTED  
SKY AIR UNITS  
TOO**



**FEATURING  
NEW DATA  
FOR EASY  
SELECTION**



Residential, Commercial and Industrial

# Climate Controls and Spares UK Ltd

"Daikin UK Regional Dealer"

A Family owned and run Independent Distributor specialising in Refrigeration, Heating and Cooling Equipment offering a Year Round Climate Solution. Our product Range encompasses Market Leading Brands and a large range of spares and ancillaries that you would expect from a quality wholesale outlet.

Climate Controls and Spares UK Ltd are Strategically Located just off the A38 in Ivybridge Devon supplying their customers through their Trade Counter or on a Next Day Service Nationally throughout the UK and Europe.

## Climate Controls and Spares Ltd

Unit 3/4 Beech Road Business Park  
Cadleigh, Ivybridge, Devon, PL21 9HN  
**Telephone 01752 894777**

## Conditions

### Capacity Conditions

Unit cooling and heating capacities shown within this price list are based on the following conditions:

#### Nominal cooling

Ambient = 35°C  
Internal = 27°C db 19°C wb

#### Nominal heating

Ambient = 7°C db 6°C wb  
Internal = 20°C db

#### UK cooling

Ambient = 30°C  
Internal = 22°C db 16°C wb

### Heat Source

Unless otherwise indicated, all units within this price list are air-cooled.

### Seasonal Efficiency

#### Split and Sky Air

Systems of up to 12kW must now show Seasonal Efficiency Ratings instead of Nominal Efficiency Ratings. These ratings (SEER for cooling, SCOP for heating) represent how effective a system is throughout the year, and are in accordance with EN14825. For more information on Seasonal Efficiency, visit [www.daikin.co.uk/seasonal-efficiency](http://www.daikin.co.uk/seasonal-efficiency)

For Daikin UK, this means all our Split and Sky Air products up to 12kW display SEER and SCOP data along with Energy Label information and Annual Energy Consumption of the system. The AEC is based upon 500 hours use per year.

#### VRV (ESEER)

ESEER is defined as the European Seasonal Energy Efficiency Ratio and is a measure of the performance of the outdoor unit only.

### Nominal Efficiency

This measure of efficiency is calculated by dividing the capacity output of a unit by the power required to deliver it. For cooling, this is expressed as EER, for heating as COP.

Nominal Efficiencies are used for systems above 12kW. It is not possible to compare Nominal and Seasonal Efficiency ratings due to the different calculation methods used.

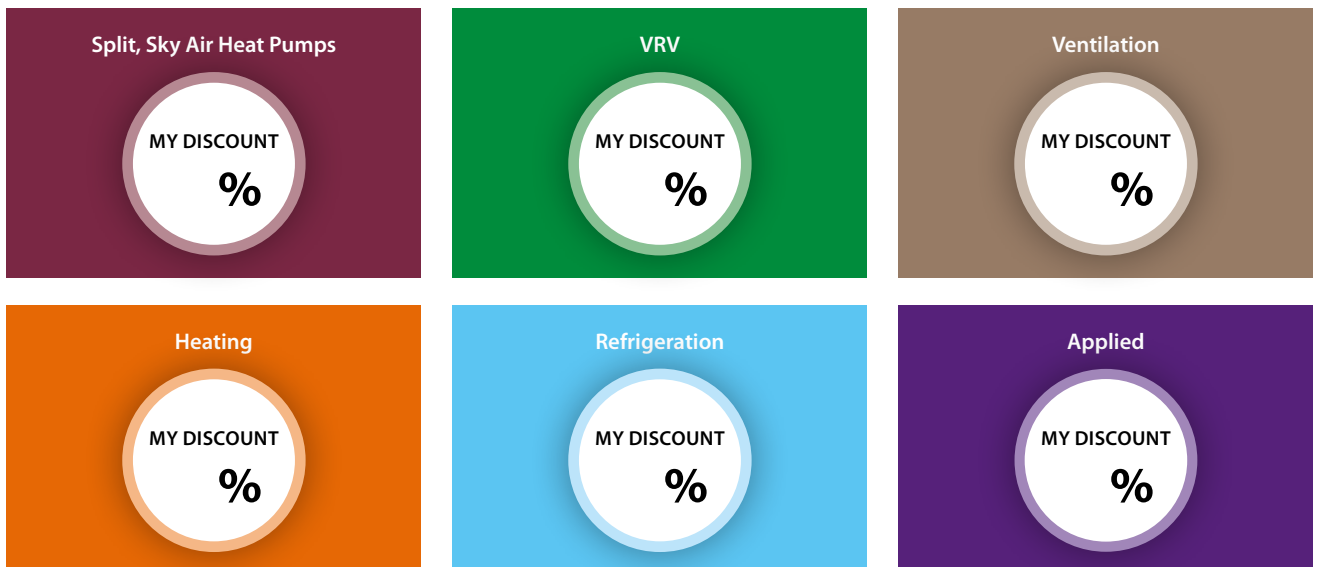
# Daikin UK Price List 2016

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## Discount Rating

Please insert your discounts here and then refer to the colour tabs on the edge of each page for reference.



# New for 2016

FOR EASY ACCESS TO ALL DAIKIN UK CATALOGUES, DATASHEETS, INSTALLATION AND OPERATION MANUALS, LOG INTO THE NEW DAIKIN BUSINESS PORTAL FROM 1 APRIL 2016: [MY.DAIKIN.CO.UK](http://MY.DAIKIN.CO.UK)

## BLUEEVOLUTION

R-32

Ururu  
Sarara

### Daikin extends R32 range even further to include more Splits and Sky Air cassette

Our range of split and Sky Air systems using the next generation of refrigerants offers:

- > Lower global warming potential
- > Higher efficiencies
- > Lower refrigerant charge

Total range now available:

- > Ururu Sahara
- > Emura
- > FTXM High Inverter
- > Multi units
- > Duct for multi applications (FDXM-F)
- > Sky Air Smart HiCOP Cassette



BOOK TRAINING NOW AT [WWW.DAIKINTRAINING.CO.UK](http://WWW.DAIKINTRAINING.CO.UK)

UPDATE  
FOR 2016



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### Daikin unique Under Ceiling Cassette is now available for connection to Classic

Allows even more applications to be served by this truly unique product ideal for solid ceilings

Seasonal Classic



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NEW

FOR 2016

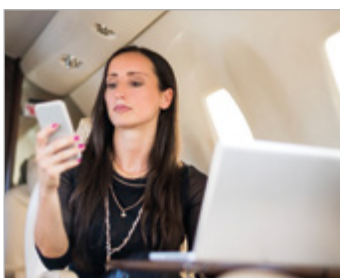


### BRC1E53A controller for duty rotation

Duty rotation standby and back-up for IT applications, works with the new indoor units

- > Wall mounted FAQ-C9
- > Ceiling suspended FHQ-CB

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For VRV and Sky Air



For Split

WI-FI  
CONTROL  
VIA APP

### Remote App control for VRV and Sky Air – and an upgrade for the Split App

Ideal for customers who want remote control of their air conditioning system, the VRV and Sky Air Wi-Fi adapter ensures customers can return to the perfect environment.

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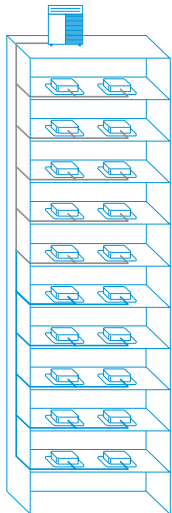


## Intelligent Tablet Controller – ideal for single and multi-store retail estates or light commercial applications

This cloud based control solution with remote access possibilities enables access to fault controls, off-site control and energy management:

- > Wi-Fi and cloud based control of SkyAir or VRV equipment
- > Connects directly to Daikin DIII-Net protocol
- > Single or Multi-site web interface
- > Web based energy management system

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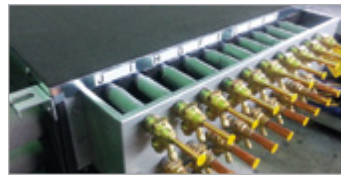


**NEW**  
**FOR 2016**

### Increased piping limitations on VRV IV HR

- > Indoor to indoor unit maximum height difference has been increased to 30m to give even more system design flexibility
- > Please ask you sales person to undertake a selection

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### VRV IV Branch selector boxes with pre-fitted valves

To further increase the flexibility of the BS boxes, we are now able to offer the full range of multi BS boxes with valves pre fitted.

- > The benefit of having valves pre-installed on the boxes saves considerable time and effort on site
- > **NEW** indoor units can be added without having to remove refrigerant from the rest of the system, so you can avoid having to pump down / vac out / recharge the whole system and save hours when altering systems

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### Weather proof enclosures for VAM Total Heat Exchangers

If you need to install a VAM unit outside of a building, they need to be weatherproofed as they are designed for installation internally.

We can offer fully weatherproofed housings for the VAM range which are rated IP46 to make them suitable for outdoor installation. The VAM units are fitted into the enclosure and delivered to site for fuss free installation.

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### Daikin UK offer a customised service where we can repaint units to any specified RAL or BS finish

- > Customers sometimes require visible units to be less obtrusive, whether for aesthetic or planning reasons or to meet a specific colour requirement
- > Available for VRV, Split, Sky Air and all other units as required



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### Strip down and rebuild service – ask for your unit to be dismantled and reassembled for installation in those difficult to access locations

- > Daikin engineers will strip down and package the unit, organise delivery to the kerb-side
- > Daikin engineers will then attend site to rebuild, pressure test, and vacuum and charge the unit ready for connection to the rest of the system

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**NEW**  
**FOR 2016**

**Netatmo for domestic heating**

The smart thermostat, available from January 2016, gives homeowners with Daikin Altherma air-to-water heat pumps the option to control their heating temperature via a smartphone app.



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**Industrial refrigeration condensing unit with screw compressor**

- > High efficiency inverter controlled compressor, economiser and high performance condenser
- > Easy to install , ready to connect evaporator
- > Capacity up to 450 kW on MT and 170 kW LT (@+32°C)

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**NEW**  
**FOR 2016**

**Modular AHU with DX or water packaged solution**

- > High efficiency fan motors (IE4) and heat recovery exchangers
- > Full VRV IV or ERQ condenser connection compatibility
- > Complete package with integrated controls
- > Monitoring and control through Daikin ITM



**Modular Heat Wheel**  
1200-1500m<sup>3</sup>/h  
April 16

**Modular Plate**  
1200-1500m<sup>3</sup>/h  
Dec 16

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**NEW**  
**FOR 2016**

**Aircooled DC inverter screw series – Gen 2 TZ series**

- > Introduction of Microchannel coils as standard
- > Compressors with DC electrical motor & Gen 2 Variable Volume Ratio (VVR)



170-700kW  
April 16

720-1100kW  
June 16

1130-1800kW  
Sept 16



**NEW**  
**FOR 2016**

**Watercooled inverter screw series**

- > AC Inverter driven screw compressors
- > Market leading full and partload efficiency in its class (best ESEER level)



450-1800kW  
June 16

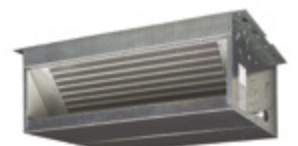
**NEW**  
**FOR 2016**

**BLDC high static ducted FCU & controller**

- > Completes BLDC range line-up – Low, Medium & High pressure
- > Provides wider operating range per model at reduced noise levels
- > **NEW** FWECSA controller with master/slave networking on RS485



450-1800kW  
April 16



## Daikin UK Price List 2016

## Split, Sky Air Heat Pumps

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## Another First From Daikin: R32

### Reasons for change

There are a number of options for the next generation refrigerant gas, to meet future legislation and reduce the environmental impact of air conditioning, heat pumps and refrigeration. The choices are generally accepted to be R32, R410A, HFO blends, CO<sub>2</sub>, and hydrocarbons, including R290 and R600.

### Daikin's work with R32

Because of its superior energy efficiency and low GWP, R32 is Daikin's preferred next generation refrigerant for air conditioners and heat pumps. Its first domestic air conditioners using R32 were introduced to Japan in 2012 and there have been sales in excess of 4 million systems since then.

### R32 in brief

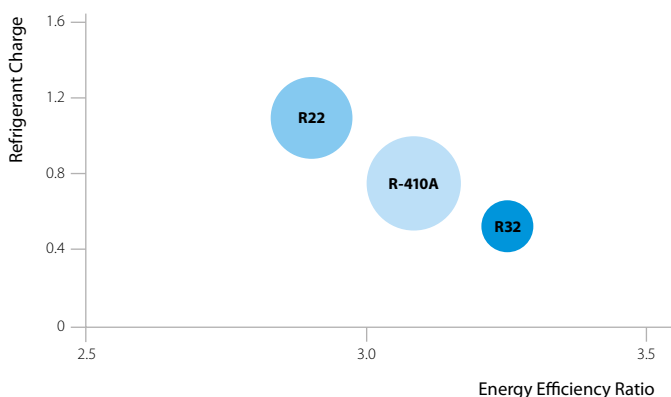
R32 is already used in HVAC equipment, as it makes up 50% of R410A. It has a global warming potential (GWP) of 675, which is one third that of R410A (2,088).

It's more energy efficient, resulting in a lower refrigerant charge and offering the potential to manufacture smaller units. As a single component refrigerant, it is also easier to reuse and recycle. Like many low GWP refrigerants, R32 is mildly flammable, requiring some new tools and procedures during installation. It is also easier to handle because it doesn't fractionate when being charged as a vapour.

### Using R32 in a split system delivers:

- > Lower GWP
- > Higher efficiencies
- > Smaller refrigerant charge

## Refrigerant performance



Refrigerant	GWP
R22	1,910
R410A	2,088
R32	675

Based on 3.5kW Wall Mount

### Daikin products using R32

The 2016 line-up of R32 products has 4 types of split systems. Three are wall mounts, including a brand new FTXM with SEER efficiencies of up to 8.53. We also include a Roundflow cassette: the FCAHG.



Ururu Sarara (FTXZ)



Wall mount (FTXM)



Emura (FTXJ)



Roundflow Cassette (FCAHG)

Daikin now also offer a multi-system on R32 for up to five indoor units. These are connectable to the Emura, FTXM or new slim Ducted R32 multi-fancoil:

- > **Ururu Sarara** (FTXZ) – see page 7
- > **Emura** (FTXJ) – see page 8
- > **Wall mount** (FTXM) – see page 9
- > **Roundflow Cassette** (FCAHG) – see page 11

### Installation and equipment

Installation of R32 systems is very similar to R410A systems, although slightly different equipment is required. These include:

- > Gauge manifold
- > Recovery pump
- > Electronic leak tester

These are available from a number of key manufacturers. Please contact your local stockist.

Tooling	R410A	R32
Manifold	Current tool	Different scale
Scale	Current	Current
Vacuum pump	Current	Current
Leak detector	Current	Different
Recovery unit	Current	Different
Ventilation *	Recommended	Necessary (fan)
Warnings	Blue marks	Blue+Red marks (p16)
Recovery bottle	40 bar, right thread	48 bar, left thread

\* when installed in a plant room

### Contact Daikin Training to arrange an R32 Training Course covering:

- > Daikin's range of R32 equipment
- > Installation, equipment & handling of R32

[www.daikintraining.co.uk](http://www.daikintraining.co.uk)

**R-32****Ururu  
Sarara****BLUEEVOLUTION**Replacement  
Technology

FTXZ-N / RXZ-N

# Wall Mounted Ururu Sarara (with R32 refrigerant)

Indoor Units			FTXZ25N	FTXZ35N	FTXZ50N
Capacity	UK Total Cooling	kW	2.79	3.90	5.58
	UK Sensible Cooling	kW	2.39	2.88	3.77
	Nominal Cooling	kW	2.50	3.50	5.00
	Nominal Heating	kW	3.60	5.00	6.30
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+++	A+++	A+++
	Pdesign	kW	2.50	3.50	5.00
	SEER		9.54	9.00	8.60
	Annual Energy Consumption	kWh	92	136	203
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+++	A+++	A+++
	Pdesign	kW	3.50	4.50	5.60
	SCOP		5.90	5.73	5.50
	Annual Energy Consumption	kWh	831	1100	1427
Nominal Efficiency	EER / COP		6.10 / 5.80	5.30 / 5.00	4.55 / 4.47
	Energy Label		A / A	A / A	A / A
	Annual Energy Consumption	kWh	205	330	550
Air Flow Rate (Cooling)	High / Nom / Low / S Low	m <sup>3</sup> /sec	0.180 / 0.125 / 0.090 / 0.067	0.200 / 0.140 / 0.090 / 0.067	0.250 / 0.153 / 0.110 / 0.077
Dimensions	Height	mm	295		
	Width	mm	798		
	Depth	mm	372		
Weight		kg	15	15	15
Sound Pressure (Cooling)	High / Nom / Low / S Low	dBA	38 / 33 / 26 / 19	42 / 35 / 27 / 19	47 / 38 / 30 / 23
Sound Power		dBA	54	57	60

Outdoor Units			RXZ25N	RXZ35N	RXZ50N
Dimensions	Height x Width x Depth	mm	693 x 795 x 300		
Weight		kg	50kg		
Electrical Details	Power Supply		1ph		
	Running Current	A	1.80	2.80	4.80
	Starting Current	A	2.8	4.4	6.2
	Max Fuse Size	A	16	16	16
Interconnection Wiring	Core / Cable size		3+E / 1.5		
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)	1/4 (6.4) / 3/8 (9.5)	1/4 (6.4) / 3/8 (9.5)
Pipework	Maximum Length	m	10	10	10
	Maximum Vertical Rise	m	8	8	8
	Precharged to	m	10	10	10
	Holding Charge	kg	1.34	1.34	1.34
Sound Pressure (Cooling)	High	dBA	46	48	49
Sound Power		dBA	59	61	63
Air Flow Rate	High	m <sup>3</sup> /sec	0.516	0.573	0.673
ECA Eligible			●	●	●
<b>Trade Fan Coil Price</b>			<b>£345.00</b>	<b>£405.00</b>	<b>£531.00</b>
<b>Trade Condensing Unit Price</b>			<b>£938.00</b>	<b>£1,085.00</b>	<b>£1,142.00</b>
<b>Total System Price</b>			<b>£1,283.00</b>	<b>£1,490.00</b>	<b>£1,673.00</b>

FTXZ / RXZ systems use R32 refrigerant

## Accessories:

Accessory Ref	Description	Trade Price
BRP069A42	Wi-fi adaptor to connection on on-line controller	£50.00
KRP413A1S	Adaptor PCB for remote on/off control - constant/pulse contact	£75.00
KRP928A2S	Adaptor PCB for interface to Daikin centralised control systems	£132.00
KLIC-DD	KNX interface for Split type systems	£164.00
RTD-RA	Adaptor PCB for Modbus connection and/or extended system functions	£151.00
KPMH974A42	Hose for humidification (10m length)	£138.00
KPMH974A402	Humidification hose extension set (2m length)	£52.00
KPMJ942A4	Humidification hose extension joints (10 pieces)	£36.00
KPMJ983A4L	L-shaped joints for humidification hose (10 pieces)	£104.00
KPMH950A4L	L-shaped cuffs for humidification hose (10 pieces)	£36.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00

## Features:

- > Complete climate control with dehumidification, ventilation, air purification and heating & cooling in ONE system
- > Very high efficiency solution, thanks to Ururu technology & R32 refrigerant
- > Self cleaning filters ensure optimum air quality & efficiency of operation
- > Infrared remote controller with backlit display, or optional Online Control via smartphone or tablet
- > 3 area intelligent eye ensures air is directed away from people in the room, and switches unit to energy-efficient mode if no-one is detected

## Notes:

- All fan coils supplied with infrared remote control ARC477A1
- The supplied humidifying hose is 8m in length
- Minimum ambient operating temperatures:

	Cooling	Heating
<b>RXZ</b>	-10°C	-20°C





FTXJ-MW/S / RXJ-M

# Wall Mounted – Emura (with R32 refrigerant)

Indoor Units			Matt Crystal White					Brushed Aluminium			
			FTXJ20MW	FTXJ25MW	FTXJ35MW	FTXJ50MW	FTXJ20MS	FTXJ25MS	FTXJ35MS	FTXJ50MS	
Capacity	UK Total Cooling	kW	2.25	2.35	3.42	4.69	2.25	2.35	3.42	4.69	
	UK Sensible Cooling	kW	1.84	1.88	2.51	3.09	1.84	1.88	2.51	3.09	
	Nominal Cooling	kW	2.00	2.50	3.50	5.00	2.00	2.50	3.50	5.00	
	Nominal Heating	kW	2.50	3.40	4.00	5.80	2.50	3.40	4.00	5.80	
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+++	A+++	A++	A++	A+++	A+++	A++	A++	
	Pdesign	kW	2.30	2.40	3.50	4.80	2.30	2.40	3.50	4.80	
	SEER		8.73	8.64	7.19	7.02	8.73	8.64	7.19	7.02	
Seasonal Efficiency (EN14825) HEATING	Annual Energy Consumption	kWh	92	97	170	239	92	97	170	239	
	Energy Label		A++	A++	A++	A+	A++	A++	A++	A+	
	Pdesign	kW	2.10	2.70	3.00	4.60	2.10	2.70	3.00	4.60	
	SCOP		4.60	4.60	4.60	4.28	4.60	4.60	4.60	4.28	
Nominal Efficiency	Annual Energy Consumption	kWh	638	822	913	1505	638	822	913	1505	
	EER / COP		A / A	A / A	A / A	A / A	A / A	A / A	A / A	A / A	
	Energy Label		4.64 / 5.00	4.73 / 4.57	4.09 / 4.04	3.35 / 3.65	4.64 / 5.00	4.73 / 4.57	4.09 / 4.04	3.35 / 3.65	
Air Flow Rate	Annual Energy Consumption	kWh	248	254	428	716	248	254	428	716	
	High / Low / Silent	m³/sec	0.148 / 0.0073 / 0.043	0.148 / 0.0073 / 0.043	0.182 / 0.080 / 0.048	0.182 / 0.113 / 0.060	0.148 / 0.0073 / 0.043	0.148 / 0.0073 / 0.043	0.182 / 0.080 / 0.048	0.182 / 0.113 / 0.060	
Dimensions	Height	mm	303						303		
	Width	mm	998						998		
	Depth	mm	212						212		
Weight		kg	12	12	12	12	12	12	12	12	
Sound Pressure	High / Low / Silent	dBA	38 / 25 / 19	38 / 25 / 19	45 / 26 / 20	45 / 35 / 32	38 / 25 / 19	38 / 25 / 19	45 / 26 / 20	45 / 35 / 32	
Sound Power	Cooling	dBA	54	54	59	60	54	54	59	60	
Outdoor Units			RXJ20M	RXJ25M	RXJ35M	RXJ50M	RXJ20M	RXJ25M	RXJ35M	RXJ50M	
Dimensions	Height x Width x Depth	mm	550 x 765 x 285			735 x 825 x 315		550 x 765 x 300			735 x 825 x 315
Weight		kg	34			47		34			48
Electrical Details	Power Supply		1ph				1ph				
	Running Current	A	2.67	2.82	4.18	6.43	2.67	2.82	4.18	6.43	
	Starting Current	A	2.6	3.6	4.6	6.9	2.6	3.6	4.6	6.9	
	Max Fuse Size	A	10	10	10	15	10	10	10	15	
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5				
Piping Connections	Liquid / Gas	inches	1/4 / 3/8	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	1/4 / 3/8	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	
Pipework	Maximum Length	m	20	20	20	30	20	20	20	30	
	Maximum Vertical Rise	m	15	15	15	20	15	15	15	20	
	Precharged to	m	10	10	10	10	10	10	10	10	
	Additional Charge	g/m	20				20				
	Holding Charge	kg	0.72	0.72	0.72	1.3	0.72	0.72	0.72	1.1	
Sound Pressure	High / Silent	dBA	46 / 43	46 / 43	48 / 45	48 / 45	46 / 43	46 / 43	48 / 45	48 / 45	
Sound Power		dBA	61	61	63	63	61	61	63	63	
Air Flow Rate (cooling)	High	m³/Sec	0.575	0.575	0.616	0.830	0.575	0.575	0.616	0.830	
ECA Eligible			●	●	●	●	●	●	●	●	
<b>Trade Fan Coil Price</b>			<b>£276.00</b>	<b>£290.00</b>	<b>£326.00</b>	<b>£430.00</b>	<b>£329.00</b>	<b>£346.00</b>	<b>£388.00</b>	<b>£513.00</b>	
<b>Trade Condensing Unit Price</b>			<b>£502.00</b>	<b>£530.00</b>	<b>£615.00</b>	<b>£829.00</b>	<b>£502.00</b>	<b>£530.00</b>	<b>£615.00</b>	<b>£829.00</b>	
<b>Total System Price</b>			<b>£778.00</b>	<b>£820.00</b>	<b>£941.00</b>	<b>£1,259.00</b>	<b>£831.00</b>	<b>£876.00</b>	<b>£1,003.00</b>	<b>£1,342.00</b>	

FTXJ / RXJ systems use R32, for R410A version see page 13

### Accessories:

Accessory Ref	Description	Trade Price
BRC073	Optional Wired Remote controller: BRC1E52 style	<b>£80.00</b>
BRCW901A03	3m connection cable for BRC073	<b>£17.00</b>
BRCW901A08	8m connection cable for BRC073	<b>£22.00</b>
KRP413A15	Adaptor PCB for remote on/off control - constant/pulse contact	<b>£75.00</b>
KRP928A25	Adaptor PCB for interface to Daikin centralised control systems	<b>£132.00</b>
KLIC-DD	KNX interface for Split type systems	<b>£164.00</b>
RTD-RA	Adaptor PCB for Modbus connection and/or extended system functions	<b>£151.00</b>
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	<b>£37.00</b>
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	<b>£54.00</b>
K.CG5	Condensing Unit Guard size 20-35	<b>£214.00</b>
K.CGM	Condensing Unit Guard size 42-71	<b>£296.00</b>

### Features:

- > Designed in Europe, perfect for UK climates, Daikin Emura creates the optimum comfort zone all year round
- > It represents a perfect marriage of style and substance, of form and function, of intelligent heating and efficient cooling
- > Stylish, low-profile design
- > Wireless remote controller with weekly timer: provides a 7-day schedule timer, enabling daily or weekly programming. Up to 4 actions per day possible
- > Night set mode: prevents sudden changes in room temperature by gently adjusting the temperature before the system stops
- > **NEW** Improved titanium apatite photocatalytic air purifying filter: superior purification and deodorisation of the air inside the room
- > 2-area intelligent eye: air flow is sent to a zone other than where the occupants are located at that moment
- > Presence Sensor switches to energy saving mode if room is unoccupied after 20 mins
- > Powerful operation: activates the maximum air volume for 20 minutes before returning to its original setting
- > Fan speed: 5 fan speeds can be selected, high to super low

### Notes:

- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with infrared remote controller ARC466A1
- Wired controller, KLIC-DI and RTD-RA options cannot be combined
- Minimum ambient operating temperatures:

	Cooling	Heating
<b>RXJ</b>	-10°C	-15°C



**WI-FI ADAPTOR NOW INCLUDED AS STANDARD**





FTXM-M / RXM-M

# Wall Mounted – Standard Inverter (with R32 refrigerant)

Indoor Units			FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM50M	FTXM60M	FTXM71M
Capacity	UK Total Cooling	kW	1.95	2.44	3.42	4.11	4.56	TBC	TBC
	UK Sensible Cooling	kW	1.65	1.82	2.56	2.85	3.14	TBC	TBC
	Nominal Cooling	kW	2.00	2.50	3.50	4.20	5.00	6.0	7.1
	Nominal Heating	kW	2.50	3.40	4.00	5.40	5.80	7.0	8.2
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+++	A+++	A+++	A++	A++	A++	A++
	Pdesign	kW	2.00	2.50	3.40	4.20	5.00	6	6.8
	SEER		8.53	8.52	8.51	7.50	7.33	6.9	6.11
	Annual Energy Consumption	kWh	83	103	140	196	239	304	390
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+++	A+++	A+++	A++	A++	A+	A
	Pdesign	kW	2.30	2.40	2.50	4.00	4.60	4.6	6.2
	SCOP		5.10	5.10	5.10	4.60	4.60	TBC	TBC
	Annual Energy Consumption	kWh	632	659	686	1217	1400	1498	2278
Nominal Efficiency	EER / COP		A / A	A / A	A / A	A / A	A / A	A / A	B / D
	Energy Label		4.57 / 5.00	4.50 / 5.00	4.23 / 4.04	3.75 / 4.12	3.68 / 4.00	3.39 / 3.61	3.03 / 3.19
	Annual Energy Consumption	kWh	219	278	402	560	682	885	1174
Air Flow Rate	High / Low / Silent	m³/sec	0.185 / 0.100 / 0.073	0.185 / 0.103 / 0.073	0.210 / 0.106 / 0.076	0.210 / 0.118 / 0.076	0.266 / 0.185 / 0.168	- / 0.318 / -	- / 0.341 / -
Dimensions	Height	mm	272	272	272	272	295		
	Width	mm	811	811	811	811	1040		
	Depth	mm	294	294	294	294	300		
Weight		kg	10	10	10	10	14.5		
Sound Pressure	High / Low / Silent	dBA	41 / 25 / 19	41 / 25 / 19	45 / 29 / 19	45 / 30 / 21	46 / 37 / 34	TBC	
	Sound Power	dBA	57	57	60	60	60	61	62

Outdoor Units			RXM20M	RXM25M	RXM35M	RXM42M	RXM50M	RXM60M	RXM71M	
Dimensions	Height x Width x Depth	mm	550 x 765 x 285				735 x 825 x 300			735 x 870 x 320
Weight		kg	32	32	32	44	44	44	44	
Electrical Details	Power Supply		1ph			1ph				
	Running Current	A	1.95	2.47	4.23	4.97	6.48	TBC	TBC	
	Starting Current	A	3.7	3.7	4.4	6.8	6.6	TBC	TBC	
	Max Fuse Size	A	10	10	10	20	20	TBC	TBC	
Interconnection Wiring	Core / Cable size		3+E / 1.5			3+E / 2.5			TBC	
Piping Connections	Liquid / Gas	inches	1/4 (6.4) / 3/8 (9.5)			1/4 (6.4) / 1/2 (12.7)			TBC	
Pipework	Maximum Length	m	20	20	20	30	30	30	30	
	Maximum Vertical Rise	m	15	15	15	15	15	15	15	
	Precharged to	m	10	10	10	10	10	10	10	
	Additional Charge	g/m	20			20				
	Holding Charge	kg	0.76	0.76	0.76	1.30	1.4	1.5	1.7	
Sound Pressure	High / Silent	dBA	46 / -	46 / -	49 / -	48 / 44	48 / 44	48 / 44	47 / -	
Sound Power		dBA	59	59	61	63	63	63	66	
Air Flow Rate (Cooling)	High	m³/sec	0.600	0.600	0.600	0.848	0.840	TBC	TBC	
ECA Eligible			●	●	●	●	●	●	●	
<b>Trade Fan Coil Price</b>			<b>£162.00</b>	<b>£173.00</b>	<b>£198.00</b>	<b>£223.00</b>	<b>£309.00</b>	<b>£315.00</b>	<b>£420.00</b>	
<b>Trade Condensing Unit Price</b>			<b>£458.00</b>	<b>£500.00</b>	<b>£581.00</b>	<b>£655.00</b>	<b>£730.00</b>	<b>£777.00</b>	<b>£1,064.00</b>	
<b>Total System Price</b>			<b>£620.00</b>	<b>£673.00</b>	<b>£779.00</b>	<b>£878.00</b>	<b>£1,039.00</b>	<b>£1,092.00</b>	<b>£1,484.00</b>	

FTXM / RXM systems use R32, for R410A version see page 14

Accessories:

Accessory Ref	Description	Trade Price
BRC073	Optional Wired Remote controller: BRC1E52 style	£80.00
BRP069A42	Wifi adaptor for connection to on-line controller	£50.00
BRCW901A03	3m connection cable for BRC073	£17.00
BRCW901A08	8m connection cable for BRC073	£22.00
KRP928A2S	Adaptor PCB for interface to Daikin centralised control systems	£132.00
KLIC-DD	KNX interface for Split type systems	£164.00
RTD-RA	Adaptor PCB for Modbus connection and/or extended system functions	£151.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

Features:

- > Wireless remote controller with weekly timer: provides a 7-day schedule timer, enabling daily or weekly programming. Up to 4 actions per day possible
- > Night set mode: prevents sudden changes in room temperature by gently adjusting the temperature before the system stops
- > Titanium apatite photocatalytic air purifying filter: superior purification and deodorisation of the air inside the room
- > **NEW** Air purification using Flash Streamer technology to remove odour & bacteria
- > 2-area intelligent eye: (35~50 K class) air flow is sent to a zone other than where the occupants are located at that moment
- > Presence Sensor switches to energy saving mode if room is unoccupied after 20 mins
- > Powerful operation: activates the maximum air volume for 20 minutes before returning to its original setting
- > Fan speed: 5 fan speeds can be selected, high to super low

Notes:

- i) All fan coil units standard with auto restart after power failure
- ii) All fan coils supplied as standard with infrared remote controller
- iii) Wired controller, KLIC-DI and RTD-RA options cannot be combined
- iv) Minimum ambient operating temperatures:

	Cooling	Heating
RXM	-10°C	-15°C





# Multi Series

**Multi Series Inverters offer the ability to connect up to five fan coils to one outdoor unit.** With the MXS range it is possible to install indoor units throughout a house or small commercial premises and only use one outdoor unit. Each indoor unit will have it's own controller and will be able to operate in heating or cooling.



Outdoor unit				*2MXM40M	*2MXM50M	*3MXM40M	*3MXM52M	*3MXM68M	*4MXM68M	*4MXM80M	*5MXM90M
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285				735x870x320			
Weight	Unit		kg	-							
Sound power level	Cooling		dB(A)	60	61	59		61		62	66
Sound pressure level	Cooling	Nom.	dB(A)	46	48	46		48			52
	Heating	Nom.	dB(A)	48	50	47		49			52
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240							
Operation range	Cooling	Ambient	Min.-Max. °CDB	-10~46							
	Heating	Ambient	Min.-Max. °CWB	-15~24							
Number of connected indoor units				2	2	3	3	3	4	4	5
<b>Trade Condensing Unit Price</b>				<b>£1,048.00</b>	<b>£1,159.00</b>	<b>£1,092.00</b>	<b>£1,214.00</b>	<b>£1,719.00</b>	<b>£1,854.00</b>	<b>£2,088.00</b>	<b>£2,248.00</b>

Connectable indoor units	Wall mounted										Concealed ceiling				
	*Daikin Emura FTXJ-MW/S				*FTXM-M						*FDXM-F				
	20	25	35	50	20	25	35	42	50	60	71	25	35	50	60
2MXM40M	●	●	●		●	●	●					●	●		
2MXM50M	●	●	●	●	●	●	●	●	●			●	●	●	
3MXM40M	●	●	●		●	●	●					●	●		
3MXM52M	●	●	●	●	●	●	●	●	●			●	●	●	
3MXM68M	●	●	●	●	●	●	●	●	●	●		●	●	●	●
4MXM68M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM80M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXM90M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

\* preliminary data

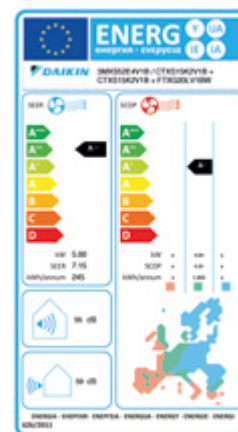
**Daikin's new Multi Selection Tool** is a fast and simple way to select your combinations for MXS Series outdoor units.

The online tool has four simple steps:

- > select number of rooms
- > select capacity per room
- > select capacity of outdoor
- > select type of indoor & input pipe run & level difference


It has in-built checks to ensure capacity, pipe length and level difference cannot exceed maximum for selected outdoor unit and generates a report showing full energy label for specific combination and pictures of all equipment selected. This can be used by installers to select Multi systems, and also to show end-users the configuration of the system.

Go to [www.daikineurope.com/multiselection](http://www.daikineurope.com/multiselection)




## Multi Split & Mini VRV Fan Coils


R32 Emura Wall Mounted Fan Coil Units	FTXJ20MW	FTXJ25MW	FTXJ35MW	FTXJ50MW	FTXJ20MS	FTXJ25MS	FTXJ35MS	FTXJ50MS
Trade Fan Coil Unit Price	£276.00	£290.00	£326.00	£430.00	£329.00	£346.00	£388.00	£513.00

R32 Wall Mounted Fan Coil Units	FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM50M	FTXM60M	FTXM71M
Trade Fan Coil Unit Price	£162.00	£173.00	£198.00	£223.00	£309.00	£315.00	£420.00

R32 Slim Ducted Fan Coil Units	FDXM25F	FDXM35F	FDXM50F	FDXM60F
Trade Fan Coil Unit Price	£334.00	£383.00	£421.00	£470.00



Slim Ducted – for use with R32 Multi

Indoor unit		FDXM		*25F		*35F		*50F		*60F			
Dimensions	Unit	HeightxWidthxDepth	mm		200x750x620				200x1,150x620				
Weight	Unit		kg		21				30				
Air filter	Type	Removable / washable / mildew proof											
Fan - Air flow rate	Cooling	High/Nom./Low	m <sup>3</sup> /min	8.7/8.0/7.3				12.0/11.0/10.0				16.0/14.8/13.5	
	Heating	High/Nom./Low	m <sup>3</sup> /min	8.7/8.0/7.3								16.0/14.8/13.5	
Fan - External static pressure	Nom./Maximum available/High	Pa	30/-								40/-		
Sound power level	Cooling		dB(A)	53				55		56			
	Heating		dB(A)	53				55		56			
Sound pressure level	Cooling	High/Nom./Low	dB(A)	35/33/27				38/36/30		38/35/30			
	Heating	High/Nom./Low	dB(A)	35/33/27						38/36/30			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230						1~ / 50 / 220-240			
Control systems	Infrared remote control						BRC4C65						
	Wired remote control						BRC1E52						

\* preliminary data





FCAHG-F / RZAG-L

# High COP Roundflow Cassette – Seasonal Smart (R32)

Indoor Units			Single Phase			
			FCAHG71F	FCAHG100F	FCAHG125F	FCAHG140F
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++	-
	Pdesign	kW	6.80	9.50	12.00	-
	SEER		7.35	7.35	6.94	-
	Annual Energy Consumption	kWh	TBC	TBC	TBC	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A++	-
	Pdesign	kW	7.60	11.30	12.66	-
	SCOP		4.54	4.80	4.63	-
	Annual Energy Consumption	kWh	2343	3298	3829	-
Nominal Efficiency	EER / COP		A / A	A / A	A / A	A / A
	Energy Label		4.09 / 4.80	4.42 / 4.99	4.00 / 4.00	3.35 / 4.12
	Annual Energy Consumption	kWh	831	1075	1500	2000
Air Flow Rate	High / Low	m³/sec	0.353 / 0.270 / 0.203	0.538 / 0.428 / 0.317	0.558 / 0.445 / 0.332	0.558 / 0.455 / 0.352
Dimensions (with Decoration Panel)	Height	mm	288(348)	288 (348)	288 (348)	288 (348)
	Width	mm	840 (950)	840 (950)	840 (950)	840 (950)
	Depth	mm	840 (950)	840 (950)	840 (950)	840 (950)
Weight (with Decoration Panel)		kg	25 (30.5)	26 (31.4)	26 (31.4)	26 (31.4)
Sound Pressure	High / Nom / Low	dBA	36 / 33 / 29	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37
	Sound Power	dBA	53	61	61	61
Outdoor Units			RZAG71LV1	RZAG100LV1	RZAG125LV1	RZAG140LV1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320			
Weight		kg	69	95	95	95
Electrical Details	Power Supply		1ph			
	Running Current	A	TBC	TBC	TBC	TBC
	Starting Current	A	4	4	4	4
	Max Fuse Size	A	20	32	32	32
Interconnection Wiring	Core / Cable size		3+E / 1.5			
Piping Connections	Liquid / Gas	inches	3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50	75	75	75
	Maximum Vertical Rise	m	30	30	30	30
	Precharged to	m	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual			
	Holding Charge	kg	2.6	3.6	3.6	3.6
Sound Pressure	Nom	dBA	48	50	51	52
Sound Power	Nom	dBA	64	66	67	69
Air Flow Rate (cooling)	High	m³/sec	TBC	TBC	TBC	TBC
<b>Trade Fan Coil Price</b>			<b>£815.00</b>	<b>£924.00</b>	<b>£1,010.00</b>	<b>£1,216.00</b>
<b>Trade Condensing Unit Price</b>			<b>£1,251.00</b>	<b>£1,590.00</b>	<b>£1,749.00</b>	<b>£1,996.00</b>
<b>Total System Price</b>			<b>£2,066.00</b>	<b>£2,514.00</b>	<b>£2,759.00</b>	<b>£3,212.00</b>

FCAHG / RZAG systems use R32, for R410A version see page 28

Accessories:

Accessory Ref	Description	Trade Price
BRC7FA532F	Wireless remote controller	£152.00
BYCQ140DG	Roundflow cassette decoration panel with self cleaning filter	£310.00
BYCQ140DW	Roundflow cassette decoration panel - white with white louvers	£160.00
BRYQ140A	Integral PIR Sensor for Roundflow decoration panel. Enables Energy Saving functions	£99.00
KDBHQ55B140	Sealing member for air discharge outlet	£90.00
KDDQ55B140 1&2	Fresh air intake kit for up to 20% fresh air - 2 part kit	£233.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus Interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£46.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGM	Condensing Unit Guard size 42-71	£296.00
K.CGL	Condensing Unit Guard size 100-140 including RXYSQ	£354.00

Features:

- > The FCQHG model is designed for 2014 ErP regulations and has one of the highest COP values on the market
- > The unique 360° radial air pattern ensures uniform air flow and temperature distribution
- > Air flow flexibility: a wide selection of 23 different air flow patterns accessible via remote controller
- > Optional Presence Sensors detects if room is unoccupied and allows temperature to drift to set-back levels
- > Optional Self Cleaning Filter The BYCQ140DG decoration panel can offer energy savings, reduced maintenance time and cost
- > Optional Fresh Air intake (up to 20%) possible
- > Re-use of existing R22 and R407C piping possible
- > Selectable evaporating & condensing temperature for greater operating efficiency (Seasonal Smart)
- > DIII net compatibility as standard

Notes:

- All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- BRC7FA532F Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with BYCQ140D Decoration panel
- BYCQ140DW / BYCQ140DG Trade prices will be reduced by £142.00 if ordered in place of standard decoration panel
- Minimum ambient operating temperatures:

	Cooling	Heating
<b>RZAG</b>	-15°C	-20°C



## Sky Air Roundflow Cassette

### One cassette, 3 options:

Daikin's Roundflow Cassette range has a solution for all your needs:

- > Price
- > Performance
- > Highest Efficiency

FCQG-F Series cassette  
 BYFQ140D Roundflow decoration panel  
 BRC1E52 remote control



 <ul style="list-style-type: none"> <li>&gt; Pair applications</li> <li>&gt; 30m pipe run</li> <li>&gt; -5 / -15°C operating range in cooling / heating</li> <li>&gt; A/A Energy Labels</li> <li>&gt; R22 replacement technology</li> </ul>	 <ul style="list-style-type: none"> <li>&gt; Pair, twin, triple, double twin applications</li> <li>&gt; 50m pipe run</li> <li>&gt; -15 / -15°C operating range in cooling / heating</li> <li>&gt; A+/A+ Energy Labels</li> <li>&gt; R22 replacement technology</li> </ul>	 <ul style="list-style-type: none"> <li>&gt; Pair, twin, triple, double twin applications</li> <li>&gt; 75m pipe run</li> <li>&gt; -15 / -20°C operating range in cooling / heating</li> <li>&gt; Up to A++/A+ Energy Labels</li> <li>&gt; All capacities ECA Eligible</li> <li>&gt; R22 replacement technology</li> </ul>
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## Enhanced Capital Allowance (ECA) Scheme

The Enhanced Capital Allowance (ECA) scheme provides businesses with enhanced tax relief for investment in energy-saving equipment that meets specified Government criteria. It allows 100% of the investment to be written off against taxable profit in the year the investment is made.

The Energy Technology List (ETL) is a definitive list of all the products that qualify for the ECA, typically by meeting or exceeding efficiency standards. For DX, the list includes approximately the top 20% most efficient air conditioning systems and is updated regularly to ensure that it includes the most energy efficient products currently available.

Daikin now has a website that allows customers to check whether selected equipment is efficient enough to be eligible to claim Enhanced Capital Allowances. Go to [www.daikin.co.uk/eca](http://www.daikin.co.uk/eca) to check:

- > Split
- > Sky Air
- > VRV

The website also allows you to create a Certificate of Eligibility for your equipment selection that can be used to support a claim for ECA.



Certain types of equipment are listed on the ECA website. To check eligibility of the following equipment types, please go to [www.etl.decc.gov.uk/etl/site.htm](http://www.etl.decc.gov.uk/etl/site.htm)

- > Biddle Air Curtains (Split and VRV)
- > Ventilation (VAMs)
- > Control Options (RTD20)
- > Chillers

The ETL website should also be used to check equipment eligibility for Split, Sky Air & VRV equipment purchased before August 2014.



# Wall Mounted – Emura



Indoor Units			Matt Crystal White				Silver			
			FTXG20LW	FTXG25LW	FTXG35LW	FTXG50LW	FTXG20LS	FTXG25LS	FTXG35LS	FTXG50LS
Capacity	UK Total Cooling	kW	2.25	2.35	3.42	4.69	2.25	2.35	3.42	4.69
	UK Sensible Cooling	kW	1.84	1.88	2.51	3.09	1.84	1.88	2.51	3.09
	Nominal Cooling	kW	2.00	2.50	3.50	5.00	2.00	2.50	3.50	5.00
	Nominal Heating	kW	2.50	3.40	4.00	5.80	2.50	3.40	4.00	5.80
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+++	A+++	A++	A++	A+++	A+++	A++	A++
	Pdesign	kW	2.30	2.40	3.50	4.80	2.30	2.40	3.50	4.80
	SEER		8.52	8.50	7.00	6.70	8.52	8.50	7.00	6.70
	Annual Energy Consumption	kWh	94	99	175	251	94	99	175	251
Seasonal Efficiency (EN14825) HEATING	Energy Label		A++	A++	A++	A+	A++	A++	A++	A+
	Pdesign	kW	2.10	2.70	3.00	4.60	2.10	2.70	3.00	4.60
	SCOP		4.60	4.60	4.60	4.24	4.60	4.60	4.60	4.24
	Annual Energy Consumption	kWh	639	821	913	1519	639	821	913	1519
Nominal Efficiency	EER / COP		4.59 / 5	4.59 / 4.42	3.97 / 4.06	3.53 / 3.65	4.59 / 5	4.59 / 4.42	3.97 / 4.06	3.53 / 3.65
	Energy Label		A / A	A / A	A / A	A / A	A / A	A / A	A / A	A / A
Annual Energy Consumption	kWh		250	261	441	680	250	261	441	680
	Air Flow Rate (Cooling)	High / Low / Silent	m³/sec	0.148 / 0.073 / 0.043	0.148 / 0.073 / 0.043	0.182 / 0.080 / 0.048	0.182 / 0.113 / 0.060	0.148 / 0.073 / 0.043	0.148 / 0.073 / 0.043	0.182 / 0.080 / 0.048
Dimensions	Height	mm	303				303			
	Width	mm	998				998			
	Depth	mm	212				212			
Weight		kg	12	12	12	12	12	12	12	12
Sound Pressure (Cooling)	High / Low / Silent	dBA	38 / 25 / 19	38 / 25 / 19	45 / 26 / 20	46 / 35 / 32	38 / 25 / 19	38 / 25 / 19	45 / 26 / 20	46 / 35 / 32
	Sound Power	dBA	54	54	59	60	54	54	59	60

Outdoor Units			RXG20L	RXG25L	RXG35L	RXG50L	RXG20L	RXG25L	RXG35L	RXG50L	
Dimensions	Height x Width x Depth	mm	550 x 765 x 285			735 x 825 x 300		550 x 765 x 285			735 x 825 x 300
Weight		kg	35			48	35			48	
Electrical Details	Power Supply		1ph				1ph				
	Running Current	A	2.70	2.80	4.80	6.20	2.70	2.80	4.80	6.20	
	Starting Current	A	2.8	4.4	5.5	7.4	2.8	4.4	5.5	7.4	
	Max Fuse Size	A	16	16	16	20	16	16	16	20	
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5				
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)			1/4 (6.4) / 1/2 (12.7)		1/4 (6.4) / 3/8 (9.5)			1/4 (6.4) / 1/2 (12.7)
Pipework	Maximum Length	m	20	20	20	30	20	20	20	30	
	Maximum Vertical Rise	m	15	15	15	20	15	15	15	20	
	Precharged to	m	10	10	10	10	10	10	10	10	
	Additional Charge	g/m	20				20				
Holding Charge	kg	1.05	1.05	1.05	1.6	1.05	1.05	1.05	1.6		
	Sound Pressure (Cooling)	High / Silent Operation	dBA	46 / 43	46 / 43	48 / 44	48 / 44	46 / 43	46 / 43	48 / 44	48 / 44
Sound Power		dBA	61	61	63	63	61	61	63	63	
Air Flow Rate	High	m³/sec	0.575	0.575	0.616	0.830	0.575	0.575	0.616	0.830	
ECA Eligible			●	●	●	●	●	●	●	●	
<b>Trade Fan Coil Price</b>			<b>£262.00</b>	<b>£276.00</b>	<b>£310.00</b>	<b>£409.00</b>	<b>£313.00</b>	<b>£329.00</b>	<b>£369.00</b>	<b>£488.00</b>	
<b>Trade Condensing Unit Price</b>			<b>£478.00</b>	<b>£504.00</b>	<b>£585.00</b>	<b>£789.00</b>	<b>£478.00</b>	<b>£504.00</b>	<b>£585.00</b>	<b>£789.00</b>	
<b>Total System Price</b>			<b>£740.00</b>	<b>£780.00</b>	<b>£895.00</b>	<b>£1,198.00</b>	<b>£791.00</b>	<b>£833.00</b>	<b>£954.00</b>	<b>£1,277.00</b>	

## Accessories:

Accessory Ref	Description	Trade Price
BRC073	Optional Wired Remote controller: BRC1E52 style	£80.00
BRCW901A03	3m connection cable for BRC073	£17.00
BRCW901A08	8m connection cable for BRC073	£22.00
BRP069A41	Wifi adaptor for connection to on-line controller	£40.00
KRP413A1S	Adaptor PCB for remote on/off control - constant/pulse contact	£75.00
KRP928A2S	Adaptor PCB for interface to Daikin centralised control systems	£132.00
KLIC-DD	KNX interface for Split type systems	£164.00
RTD-RA	Adaptor PCB for Modbus connection and/or extended system functions	£151.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Features:

- > Designed in Europe, perfect for UK climates, Daikin Emura creates the optimum comfort zone all year round
- > It represents a perfect marriage of style and substance, of form and function, of intelligent heating and efficient cooling
- > Stylish, low-profile design
- > Wireless remote controller with weekly timer: provides a 7-day schedule timer, enabling daily or weekly programming. Up to 4 actions per day possible
- > Night set mode: prevents sudden changes in room temperature by gently adjusting the temperature before the system stops
- > Titanium apatite photocatalytic air purifying filter: superior purification and deodorisation of the air inside the room
- > 2-area intelligent eye: air flow is sent to a zone other than where the occupants are located at that moment
- > Presence Sensor switches to energy saving mode if room is unoccupied after 20 mins
- > Powerful operation: activates the maximum air volume for 20 minutes before returning to its original setting
- > Fan speed: 5 fan speeds can be selected, high to super low
- > Suitable for multi model applications
- > Re-use of existing R22 and R407C piping possible

## Notes:

- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with infrared remote controller ARC466A1
- Wired controller, KLIC-DI and RTD-RA options cannot be combined
- Control option is either hard-wired remote, or Wi-Fi adaptor
- Minimum ambient operating temperatures:

	Cooling	Heating
RXG	-10°C	-15°C



**R-410A**



FTXS-K series



FTXS-G series

FTXS-K/G / RXS-L/F

# Wall Mounted – Standard Inverter

Indoor Units			FTXS20K	FTXS25K	FTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G	
Capacity	UK Total Cooling	kW	1.95	2.44	3.42	4.11	4.56	5.86	6.94	
	UK Sensible Cooling	kW	1.65	1.82	2.56	2.85	3.14	3.87	4.65	
	Nominal Cooling	kW	2.00	2.50	3.50	4.20	5.00	6.00	7.10	
	Nominal Heating	kW	2.50	3.40	4.00	5.40	5.80	7.00	8.20	
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++	A++	A++	A	A	
	Pdesign	kW	2.00	2.50	3.50	4.20	5.00	6.00	7.10	
	SEER		7.40	7.90	7.47	6.80	6.80	5.58	5.23	
	Annual Energy Consumption	kWh	95	111	164	216	257	376	475	
Seasonal Efficiency (EN14825) HEATING	Energy Label		A++	A++	A++	A+	A+	A	A	
	Pdesign	kW	2.30	2.50	3.50	4.00	4.60	4.80	6.50	
	SCOP		4.77	4.78	4.85	4.20	4.20	3.89	3.50	
	Annual Energy Consumption	kWh	675	732	1039	1334	1535	1728	2593	
Nominal Efficiency	EER / COP		4.65 / 4.72	4.21 / 4.67	3.89 / 4.76	3.35 / 4.12	3.32 / 4	3.02 / 3.43	3.02 / 3.22	
	Energy Label		A / A	A / A	A / A	A / A	A / A	B / B	B / C	
	Annual Energy Consumption	kWh	228	297	450	627	753	995	1175	
Air Flow Rate (Cooling)	High / Low / Silent	m <sup>3</sup> /sec	0.147 / 0.078 / 0.065	0.152 / 0.083 / 0.065	0.187 / 0.097 / 0.068	0.187 / 0.117 / 0.068	0.198 / 0.123 / 0.075	0.267 / 0.188 / 0.168	0.287 / 0.192 / 0.175	
Dimensions	Height	mm	289	289	298	298	298	290	290	
	Width	mm	780	780	900	900	900	1050	1050	
	Depth	mm	215	215	215	215	215	250	250	
Weight		kg	8	8	11	11	11	12	12	
Sound Pressure (Cooling)	High / Nom / Low / Silent	dB(A)	40 / 32 / 24 / 19	41 / 33 / 25 / 19	45 / 37 / 29 / 19	45 / 39 / 33 / 21	46 / 40 / 34 / 23	45 / 41 / 36 / 33	46 / 42 / 37 / 34	
Sound Power		dB(A)	58	58	59	59	60	60	63	
Outdoor Units			RXS20L3	RXS25L3	RXS35L3	RXS42L	RXS50L	RXS60L	RXS71F8	
Dimensions	Height x Width x Depth	mm	550 x 765 x 285			550 x 765 x 285		735 x 825 x 300		770 x 900 x 320
Weight		kg	34	34	34	39	47	48	71	
Electrical Details	Power Supply		1ph			1ph				
	Running Current	A	2.30	3.10	4.10	5.70	6.30	8.80	10.49	
	Starting Current	A	2.4	3.3	4.3	6.6	6.8	9.4	11.7	
	Max Fuse Size	A	10	10	10	20	20	20	20	
Interconnection Wiring	Core / Cable size		3+E / 1.5			3+E / 1.5				
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)			1/4 (6.4) / 1/2 (12.7)		1/4 (6.4) / 5/8 (15.9)		
Pipework	Maximum Length	m	20	20	20	20	30	30	30	
	Maximum Vertical Rise	m	15	15	15	15	20	20	20	
	Precharged to	m	10	10	10	10	10	10	10	
	Additional Charge	g/m	20			20				
	Holding Charge	kg	1.0	1.0	1.2	1.3	1.7	1.5	2.3	
Sound Pressure (Cooling)	High / Silent Operation	dB(A)	46 / 43	46 / 43	48 / 44	48 / 44	48 / 44	49 / 46	52 / 49	
Sound Power		dB(A)	59	59	61	61	62	62	65	
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.558	0.558	0.600	0.621	0.848	0.835	0.910	
ECA Eligible			●	●	●	●	●			
<b>Trade Fan Coil Price</b>			<b>£154.00</b>	<b>£165.00</b>	<b>£189.00</b>	<b>£212.00</b>	<b>£294.00</b>	<b>£300.00</b>	<b>£400.00</b>	
<b>Trade Condensing Unit Price</b>			<b>£436.00</b>	<b>£476.00</b>	<b>£552.00</b>	<b>£623.00</b>	<b>£694.00</b>	<b>£740.00</b>	<b>£1,013.00</b>	
<b>Total System Price</b>			<b>£590.00</b>	<b>£641.00</b>	<b>£741.00</b>	<b>£835.00</b>	<b>£988.00</b>	<b>£1,040.00</b>	<b>£1,413.00</b>	

## Accessories:

Accessory Ref	Description	Trade Price
KRP980A1	S21 adaptor for FTXS20K & 25K for ALL control options	<b>£50.00</b>
BRC073	Optional Wired Remote controller: BRC1E52 style	<b>£80.00</b>
BRP069A42	Wifi adaptor for connection to on-line controller	<b>£50.00</b>
BRCW901A03	3m connection cable for BRC073	<b>£17.00</b>
BRCW901A08	8m connection cable for BRC073	<b>£22.00</b>
KRP928A25	Adaptor PCB for interface to Daikin centralised control systems	<b>£132.00</b>
KLIC-DD	KNX interface for Split type systems	<b>£164.00</b>
RTD-RA	Adaptor PCB for Modbus connection and/or extended system functions	<b>£151.00</b>
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	<b>£37.00</b>
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	<b>£54.00</b>
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	<b>£59.00</b>
K.CGS	Condensing Unit Guard size 20-35	<b>£214.00</b>
K.CGM	Condensing Unit Guard size 42-71	<b>£296.00</b>

## Features:

- > Wireless remote controller with weekly timer: provides a 7-day schedule timer, enabling daily or weekly programming. Up to 4 actions per day possible
- > Night set mode: prevents sudden changes in room temperature by gently adjusting the temperature before the system stops
- > Titanium apatite photocatalytic air purifying filter: superior purification and deodorisation of the air inside the room
- > 2-area intelligent eye: (35~50 K class) air flow is sent to a zone other than where the occupants are located at that moment
- > Presence Sensor switches to energy saving mode if room is unoccupied after 20 mins
- > Powerful operation: activates the maximum air volume for 20 minutes before returning to its original setting
- > Fan speed: 5 fan speeds can be selected, high to super low
- > Suitable for multi model applications
- > Re-use of existing R22 and R407C piping possible

## Notes:

- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with infrared remote controller
- Wired controller, KLIC-DI and RTD-RA options cannot be combined
- Control option is either hard-wired remote, or Wi-Fi adaptor
- FTXS-K and FTXS-G have different style casing
- Minimum ambient operating temperatures:

	Cooling	Heating
RXS	-10°C	-15°C



# Wall Mounted – Low Inverter



Indoor Units			FTX20KV	FTX25KV	FTX35KV	FTX50KV	FTX60KV	FTX71KV
Capacity	UK Total Cooling	kW	1.95	2.44	3.42	TBC	TBC	TBC
	UK Sensible Cooling	kW	1.65	1.82	2.56	TBC	TBC	TBC
	Nominal Cooling	kW	2.00	2.50	3.50	5.00	6.00	7.10
	Nominal Heating	kW	2.50	3.40	4.00	6.00	7.00	8.20
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++	A++	A++	A
	Pdesign	kW	2.00	2.50	3.50	5.00	6.00	7.10
	SEER		6.66	6.55	6.44	6.59	6.76	5.25
	Annual Energy Consumption	kWh	105	134	190	266	311	473
Seasonal Efficiency (EN14825) HEATING	Energy Label		A++	A++	A++	A+	A+	A
	Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.2
	SCOP		4.65	4.61	4.64	4.13	4.10	3.81
	Annual Energy Consumption	kWh	TBC	TBC	TBC	TBC	TBC	TBC
Nominal Efficiency	EER / COP		3.98 / 4.77	3.78 / 4.36	3.43 / 4.02	3.58 / 3.80	3.65 / 3.63	2.61 / 3.19
	Energy Label		A / A	A / A	A / A	A / A	A / A	
	Annual Energy Consumption	kWh	251	331	510	698	822	1360
Air Flow Rate	High / Low / S Low	m <sup>3</sup> /min	0.165 / 0.096 / 0.080	0.173 / 0.101 / 0.080	0.196 / 0.105 / 0.081	0.266 / 0.185 / 0.168	0.293 / 0.203 / 0.186	0.293 / 0.203 / 0.186
Dimensions	Height	mm	286	286	286	295	295	295
	Width	mm	770	770	770	990	990	990
	Depth	mm	225	225	225	263	263	263
Weight		kg	8	8	8	13.5	13.5	13.5
Sound Pressure	High / Low / S Low	dBA	39 / 25 / 20	40 / 26 / 20	43 / 27 / 20	43 / 34 / 31	45 / 36 / 33	46 / 37 / 34
Sound Power		dBA	55	55	59	59	60	62

Outdoor Units			RX20K	RX25K	RX35K	RX50K	RX60K	RX71K
Dimensions	Height x Width x Depth	mm	550 x 658 x 275			735 x 870 x 320		
Weight		kg	28			44	49	49
Electrical Details	Power Supply		1ph			1 ph		
	Running Current	A	TBC	TBC	TBC	TBC	TBC	TBC
	Starting Current	A	3.0	3.7	5.2	7	9.9	TBC
	Max Fuse Size	A	16	16	16	20	20	TBC
Interconnection Wiring	Core / Cable size		3+E / 1.5			3+E / 1.5		
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)			1/4 (6.4) / 1/2 (12.7)		
Pipework	Maximum Length	m	15	15	15	30	30	30
	Maximum Vertical Rise	m	12	12	12	20	20	20
	Precharged to	m	10	10	10	10	10	10
	Additional Charge	g/m	20	20	20	20	20	20
	Holding Charge	kg	0.74	0.74	1.00	1.13	1.45	1.45
Sound Pressure	High	dBA	46	46	48	47	49	52
Sound Power		dBA	60	60	62	61	63	66
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.486	0.486	0.460	1.063	1.045	TBC

<b>Trade Fan Coil Price</b>	<b>£108.00</b>	<b>£119.00</b>	<b>£135.00</b>	<b>£220.00</b>	<b>£224.00</b>	<b>£299.00</b>
<b>Trade Condensing Unit Price</b>	<b>£320.00</b>	<b>£342.00</b>	<b>£398.00</b>	<b>£518.00</b>	<b>£552.00</b>	<b>£794.00</b>
<b>Total System Price</b>	<b>£428.00</b>	<b>£461.00</b>	<b>£533.00</b>	<b>£738.00</b>	<b>£776.00</b>	<b>£1,093.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC073	Optional Wired Remote controller: BRC1E52 style	£80.00
BRP069A42	Wifi adaptor for connection to on-line controller	£50.00
BRCW901A03	3m connection cable for BRC073	£17.00
BRCW901A08	8m connection cable for BRC073	£22.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Features:

- > Wireless remote controller with daily timer
- > Night set mode: prevents sudden changes in room temperature by gently adjusting the temperature before the system stops
- > Titanium apatite photocatalytic air purifying filter: superior purification and deodorisation of the air inside the room
- > Powerful operation: activates the maximum air volume for 20 minutes before returning to its original setting
- > Fan speed: 5 fan speeds can be selected, high to super low
- > Suitable for multi model applications
- > Re-use of existing R22 and R407C piping possible

## Notes:

- All fan coils supplied as standard with infrared remote controller
- All fan coil units standard with auto restart after power failure
- Minimum ambient operating temperatures:

	Cooling	Heating
RX	-10°C	-15°C



# Wall Mounted – Seasonal Smart



Indoor Units			Single Phase		3 Phase	
			FAQ71C9	FAQ100C9	FAQ71C9	FAQ100C9
Capacity	UK Total Cooling	kW	7.76	10.80	7.76	10.80
	UK Sensible Cooling	kW	5.32	7.44	5.32	7.44
	Nominal Cooling	kW	6.80	9.50	6.80	9.50
	Nominal Heating	kW	7.50	10.80	7.50	10.80
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++	A++
	Pdesign	kW	6.80	9.50	6.80	9.50
	SEER		6.51	6.11	6.51	6.11
	Annual Energy Consumption	kWh	366	545	366	545
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+	A+
	Pdesign	kW	6.33	10.20	6.33	10.20
	SCOP		4.02	4.01	4.02	4.01
	Annual Energy Consumption	kWh	2205	3562	2205	3562
Nominal Efficiency	EER / COP		3.4 / 3.7	3.62 / 3.61	3.4 / 3.7	3.62 / 3.61
	Energy Label		A / A	A / A	A / A	A / A
	Annual Energy Consumption	kWh	1000	1315	1000	1315
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.300 / 0.267 / 0.233	0.433 / 0.383 / 0.317	0.300 / 0.267 / 0.233	0.433 / 0.383 / 0.317
Dimensions	Height	mm	290	340	290	340
	Width	mm	1050	1200	1050	1200
	Depth	mm	238	240	238	240
Weight		kg	13	17	13	17
Sound Pressure (Cooling)	High / Nom / Low	dBA	45 / 42 / 40	49 / 45 / 41	45 / 42 / 40	49 / 45 / 41
Sound Power		dBA	61	65	61	65
Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG71L8Y1	RZQG100L8Y1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320	1430 x 940 x 320	990 x 940 x 320	1430 x 940 x 320
Weight		kg	69	95	80	101
Electrical Details	Power Supply		1ph		3ph	
	Running Current	A	8.17	10.75	3.07	4.04
	Starting Current	A	4	4	4	4
	Max Fuse Size	A	20	32	16	20
Interconnection Wiring	Core / Cable size		3+E / 1.5		3+E / 1.5	
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)		3/8 (9.5) / 5/8 (15.9)	
Pipework	Maximum Length	m	50	75	50	75
	Maximum Vertical Rise	m	30	30	30	30
	Precharged to	m	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual		Refer to Installation Manual	
	Holding Charge	kg	2.9	4.0	2.9	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43	50 / 45	48 / 43	50 / 45
Sound Power		dBA	64	66	64	66
Air Flow Rate (Cooling)	Nominal	m <sup>3</sup> /sec	0.983	1.166	0.983	1.116
ECA Eligible			●		●	
<b>Trade Fan Coil Price</b>			<b>£749.00</b>	<b>£808.00</b>	<b>£749.00</b>	<b>£808.00</b>
<b>Trade Condensing Unit Price</b>			<b>£1,191.00</b>	<b>£1,514.00</b>	<b>£1,227.00</b>	<b>£1,584.00</b>
<b>Total System Price</b>			<b>£1,940.00</b>	<b>£2,322.00</b>	<b>£1,976.00</b>	<b>£2,392.00</b>

For Comms Rooms & Duty Rotation see page 48 - 49

## Accessories:

Accessory Ref	Description	Trade Price
BRC7EB518	Wireless remote controller	£152.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.R55	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.R55	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£46.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGM	Condensing Unit Guard size 42-71	£296.00
K.CGL	Condensing Unit Guard size 100-140 including RXYSQ	£354.00

## Features:

- > Fan speed: 3 fan speeds available on all capacities
- > Automatic airflow volume control sets fan speed based on difference between set and room temperatures
- > Dry programme: Daikin's special dry programme reduces humidity in the rooms without variations in internal temperature
- > Comms, computer and server room cooling possible with EDP setting (Seasonal Smart)
- > Selectable evaporating & condensing temperature for greater operating efficiency and application flexibility (Seasonal Smart)
- > DIII net compatibility as standard
- > Seasonally Efficient Inverter Technology gives up to 25% better efficiency than inverter technology
- > Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)
- > Suitable for Twin, Triple and Double Twin applications

## Notes:

- All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- BRC7EB518 Trade price will be reduced by £76.00 if ordered instead of the BRC1E52A
- All fan coil units standard with auto restart after power failure
- Minimum ambient operating temperatures:

	Cooling	Heating
RZQG	-15°C	-20°C
RZQSG	-15°C	-15°C





# Wall Mounted – Seasonal Classic



Indoor Units			Single Phase		3 Phase
			FAQ71C9	FAQ100C9	FAQ100C9
Capacity	UK Total Cooling	kW	7.28	10.80	10.80
	UK Sensible Cooling	kW	4.99	7.44	7.44
	Nominal Cooling	kW	6.80	9.50	9.50
	Nominal Heating	kW	7.50	10.80	10.80
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	A+
	Pdesign	kW	6.80	9.50	9.50
	SEER		6.05	5.61	5.61
	Annual Energy Consumption	kWh	393	593	593
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+
	Pdesign	kW	6.00	6.81	6.81
	SCOP		3.90	4.01	4.01
	Annual Energy Consumption	kWh	2155	2378	2378
Nominal Efficiency	EER / COP		3.21 / 3.61	3.01 / 3.41	3.01 / 3.41
	Energy Label		A / A	B / B	B / B
	Annual Energy Consumption	kWh	1060	1580	1580
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.300 / 0.267 / 0.233	0.433 / 0.383 / 0.317	0.433 / 0.383 / 0.317
Dimensions	Height	mm	290	340	340
	Width	mm	1050	1200	1200
	Depth	mm	238	240	240
Weight		kg	13	17	17
Sound Pressure (Cooling)	High / Nom / Low	dBA	45 / 42 / 40	49 / 45 / 41	49 / 45 / 41
Sound Power		dBA	61	65	65

Outdoor Units			RZQSG71L3V1	RZQSG100L9V1	RZQSG100L8Y1
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320	990 x 940 x 320
Weight		kg	67	72	82
Electrical Details	Power Supply		1ph		
	Running Current	A	8.66	12.91	4.86
	Starting Current	A	4	4	4
	Max Fuse Size	A	20	32	20
Interconnection Wiring	Core / Cable size		3+E / 1.5		3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)		3/8 (9.5) / 5/8 (15.9)
Pipework	Maximum Length	m	50	50	50
	Maximum Vertical Rise	m	15	30	30
	Precharged to	m	30	30	30
	Additional Charge	g/m	Refer to Installation Manual		
	Holding Charge	kg	2.75	2.9	2.9
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 49	53 / 49	53 / 49
Sound Power		dBA	65	70	70
Air Flow Rate (Cooling)	Nominal	m <sup>3</sup> /sec	0.866	1.266	1.266

<b>Trade Fan Coil Price</b>	<b>£749.00</b>	<b>£808.00</b>	<b>£808.00</b>
<b>Trade Condensing Unit Price</b>	<b>£820.00</b>	<b>£1,135.00</b>	<b>£1,170.00</b>
<b>Total System Price</b>	<b>£1,569.00</b>	<b>£1,943.00</b>	<b>£1,978.00</b>



R-410A

FVXG-K / RXG-L

# Stylish Floor Standing Cased – Nexura



Indoor Units			FVXG25K	FVXG35K	FVXG50K
Capacity	UK Total Cooling	kW	2.44	3.42	4.81
	UK Sensible Cooling	kW	1.93	2.37	3.17
	Nominal Cooling	kW	2.50	3.50	5.00
	Nominal Heating	kW	3.40	4.50	5.80
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A+
	Pdesign	kW	2.50	3.50	5.00
	SEER		6.53	6.48	5.41
	Annual Energy Consumption	kWh	134	189	324
Seasonal Efficiency (EN14825) HEATING	Energy Label		A++	A+	A+
	Pdesign	kW	2.80	3.10	4.60
	SCOP		4.65	4.00	4.18
	Annual Energy Consumption	kWh	842	1087	1543
Nominal Efficiency	EER / COP		4.63 / 4.42	3.72 / 3.75	3.31 / 3.69
	Energy Label		A / A	A / A	A / A
	Annual Energy Consumption	kWh	270	470	755
Air Flow Rate (Cooling)	High / Nom / Low / Silent	m <sup>3</sup> /sec	0.148 / 0.148 / 0.088 / 0.075	0.155 / 0.155 / 0.088 / 0.075	0.177 / 0.177 / 0.122 / 0.100
Dimensions	Height	mm	600	600	600
	Width	mm	950	950	950
	Depth	mm	215	215	215
Weight		kg	22	22	22
Sound Pressure (Cooling)	High / Nom / Low / Silent	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
Sound Power		dBA	52	52	58
Outdoor Units			RXG25L	RXG35L	RXG50L
Dimensions	Height x Width x Depth	mm	550 x 765 x 300		735 x 825 x 315
Weight		kg	35	35	48
Electrical Details	Power Supply		1ph		
	Running Current	A	2.68	4.64	6.04
	Starting Current	A	4.4	5.5	7.4
	Max Fuse Size	A	10	10	20
Interconnection Wiring	Core / Cable size		3+E / 1.5		3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)		1/4 (6.4) / 1/2 (12.7)
Pipework	Maximum Length	m	20	20	30
	Maximum Vertical Rise	m	15	15	20
	Precharged to	m	10	10	10
	Additional Charge	g/m	20		
	Holding Charge	kg	1.05	1.05	1.60
Sound Pressure (Cooling)	High / Silent Operation	dBA	46 / 43	48 / 44	48 / 44
Sound Power		dBA	61	63	63
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.575	0.616	0.830
ECA Eligible			●		
<b>Trade Fan Coil Price</b>			<b>£631.00</b>	<b>£679.00</b>	<b>£744.00</b>
<b>Trade Condensing Unit Price</b>			<b>£504.00</b>	<b>£585.00</b>	<b>£789.00</b>
<b>Total System Price</b>			<b>£1,135.00</b>	<b>£1,264.00</b>	<b>£1,533.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC073	Optional Wired Remote controller: BRC1E52 style	£80.00
BRP069A42	Wifi adaptor for on-line controller	£50.00
BRCW901A03	3m connection cable for BRC073	£17.00
BRCW901A08	8m connection cable for BRC073	£22.00
KRP413A15	Adaptor PCB for remote on/off control - constant/pulse contact	£75.00
KRP928A25	Adaptor PCB for interface to Daikin centralised control systems	£132.00
KLIC-DD	KNX interface for Split type systems	£164.00
RTD-RA	Adaptor PCB for Modbus connection and/or extended system functions	£151.00
BKS028	Leg for floor-standing installation	£393.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Features:

- > Radiant Heat panel provides radiator-like warming at the touch of a button
- > Energy efficient units: full range A class energy labels
- > Wireless remote controller provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 actions per day
- > Titanium apatite photocatalytic air purifying filter: superior purification and deodorisation of the air inside the room
- > Powerful operation: activates the maximum air volume for 20 minutes before returning to its original setting
- > Extremely quiet in operation: down to 19dBA sound pressure level
- > Night set mode: prevents any sudden change in room temperature by gently raising/lowering the temperature before the system stops, so you can sleep more comfortably
- > Vertical auto swing system automatically makes the louvers move up and down, creating an even distribution of air through the room to ensure a harmonized temperature
- > Flexible installation: Can be installed against a wall, recessed or standing on the floor (installation leg required, see accessories list). Ideal for installation beneath a window
- > Suitable for multi model applications
- > Re-use of existing R22 and R407 piping possible

## Notes:

- All fan coils supplied as standard with infrared remote controller ARC466AZ
- All fan coil units standard with auto restart after power failure
- Wired controller, KLIC-DI and RTD-RA options cannot be combined
- Control option is either hard-wired remote, or Wi-Fi adaptor
- Minimum ambient operating temperatures:

	Cooling	Heating
RXG	-10°C	-15°C





# Floor Standing Cased



Indoor Units			FVXS25F	FVXS35F	FVXS50F
Capacity	UK Total Cooling	kW	2.44	3.42	4.89
	UK Sensible Cooling	kW	1.87	2.34	3.21
	Nominal Cooling	kW	2.50	3.50	5.00
	Nominal Heating	kW	3.40	4.50	5.80
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	A+
	Pdesign	kW	2.50	3.50	5.00
	SEER		5.74	5.60	5.89
	Annual Energy Consumption	kWh	152	219	297
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A	A
	Pdesign	kW	2.60	2.90	4.20
	SCOP		4.56	3.93	3.80
	Annual Energy Consumption	kWh	798	1033	1546
Nominal Efficiency	EER / COP		4.12 / 4.42	3.30 / 3.78	3.23 / 3.63
	Energy Label		A / A	A / A	A / A
	Annual Energy Consumption	kWh	303	530	775
Air Flow Rate (Cooling)	High / Nom / Low / Silent	m <sup>3</sup> /sec	0.137 / 0.137 / 0.080 / 0.068	0.142 / 0.142 / 0.082 / 0.075	0.178 / 0.178 / 0.130 / 0.110
Dimensions	Height	mm	600	600	600
	Width	mm	700	700	700
	Depth	mm	210	210	210
Weight		kg	14	14	14
Sound Pressure (Cooling)	High / Nom / Low / Silent	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
Sound Power	High	dBA	52	52	60

Outdoor Units			RXS25L3	RXS35L3	RXS50L
Dimensions	Height x Width x Depth	mm	550 x 765 x 285	550 x 765 x 285	735 x 825 x 300
Weight		kg	34	34	47
Electrical Details	Power Supply			1ph	
	Running Current	A	3.30	4.70	6.80
	Starting Current	A	3.3	4.3	6.8
	Max Fuse Size	A	10	10	20
Interconnection Wiring	Core / Cable size		3+E / 1.5		3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)		1/4 (6.4) / 1/2 (12.7)
Pipework	Maximum Length	m	20	20	30
	Maximum Vertical Rise	m	15	15	20
	Precharged to	m	10	10	10
	Additional Charge	g/m		20	
	Holding Charge	kg	1.0	1.2	1.7
Sound Pressure (Cooling)	High / Silent Operation	dBA	46 / 43	48 / 44	48 / 44
Sound Power	High	dBA	59	61	62
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.558	0.600	0.848
<b>Trade Fan Coil Price</b>			<b>£523.00</b>	<b>£564.00</b>	<b>£616.00</b>
<b>Trade Condensing Unit Price</b>			<b>£476.00</b>	<b>£552.00</b>	<b>£694.00</b>
<b>Total System Price</b>			<b>£999.00</b>	<b>£1,116.00</b>	<b>£1,310.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRP069A42	Wifi adaptor for on-line controller	£50.00
KRP413A15	Adaptor PCB for remote on/off control - constant/pulse contact	£75.00
KRP928A25	Adaptor PCB for interface to Daikin centralised control systems	£132.00
KLIC-DD	KNX interface for Split type systems	£164.00
RTD-RA	Adaptor PCB for Modbus connection and/or extended system functions	£151.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Notes:

- All fan coils supplied as standard with infrared remote controller
- All fan coil units standard with auto restart after power failure
- Wired controller, KLIC-DI and RTD-RA options cannot be combined
- Minimum ambient operating temperatures:

	Cooling	Heating
RXS	-10°C	-15°C

## Features:

- > Extremely quiet, energy efficient and can be installed against the wall or recessed
- > Wireless remote controller with weekly timer: provides a 7-day schedule timer, enabling daily or weekly programming. Up to 4 actions per day possible
- > Night set mode: prevents any sudden change in room temperature by gently raising/lowering the temperature before the system stops
- > Powerful operation: activates the maximum air volume for 20 minutes before returning to its original setting
- > Titanium apatite photocatalytic air purifying filter: superior purification and deodorisation of the air inside the room
- > Dry programme: Daikin's special dry programme reduces humidity in the rooms without variations in internal temperature
- > Suitable for multi model applications
- > Re-use of existing R22 and R407C piping possible



**R-410A**

FLXS-B / RXS-L

# Flexi-Floor or Ceiling Mounted



Indoor Units			FLXS25B	FLXS35B9	FLXS50B
Capacity	UK Total Cooling	kW	2.44	3.34	4.82
	UK Sensible Cooling	kW	1.65	2.14	3.16
	Nominal Cooling	kW	2.50	3.50	4.90
	Nominal Heating	kW	3.40	4.00	6.10
Seasonal Efficiency (EN14825) COOLING	Energy Label		A	B	A
	Pdesign	kW	2.50	3.50	4.90
	SEER		5.19	4.87	5.25
	Annual Energy Consumption	kWh	169	252	326
Seasonal Efficiency (EN14825) HEATING	Energy Label		A	A	A
	Pdesign	kW	2.50	2.90	4.20
	SCOP		3.80	3.80	3.80
	Annual Energy Consumption	kWh	921	1068	1546
Nominal Efficiency	EER / COP		3.85 / 3.54	2.88 / 3.57	2.85 / 3.35
	Energy Label		A / B	B / B	C / C
	Annual Energy Consumption	kWh	325	608	860
Air Flow Rate (Cooling)	High / Nom / Low / Silent	m <sup>3</sup> /sec	0.127 / 0.127 / 0.100 / 0.087	0.143 / 0.127 / 0.110 / 0.093	0.190 / 0.190 / 0.142 / 0.125
Dimensions	Height	mm	490	490	490
	Width	mm	1050	1050	1050
	Depth	mm	200	200	200
	Weight	kg	16	16	17
Sound Pressure (Cooling)	High / Nom / Low / Silent	dBA	37 / 34 / 31 / 28	38 / 35 / 32 / 29	47 / 43 / 39 / 36
Sound Power		dBA	51	53	60

Outdoor Units			RXS25L3	RXS35L3	RXS50L
Dimensions	Height x Width x Depth	mm	550 x 765 x 285	550 x 765 x 285	735 x 825 x 300
Weight		kg	34	34	47
Electrical Details	Power Supply			1ph	
	Running Current	A	3.60	5.10	7.60
	Starting Current	A	3.3	4.3	6.8
	Max Fuse Size	A	10	10	20
Interconnection Wiring	Core / Cable size		3+E / 1.5		3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)		1/4 (6.4) / 1/2 (12.7)
Pipework	Maximum Length	m	20	20	30
	Maximum Vertical Rise	m	15	15	20
	Precharged to	m	10	10	10
	Additional Charge	g/m		20	
	Holding Charge	kg	1.0	1.2	1.7
Sound Pressure (Cooling)	High / Silent Operation	dBA	46 / 43	48 / 44	48 / 44
Sound Power		dBA	59	61	62
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.558	0.600	0.848

<b>Trade Fan Coil Price</b>	<b>£376.00</b>	<b>£423.00</b>	<b>£459.00</b>
<b>Trade Condensing Unit Price</b>	<b>£476.00</b>	<b>£552.00</b>	<b>£694.00</b>
<b>Total System Price</b>	<b>£852.00</b>	<b>£975.00</b>	<b>£1,153.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
KRP413A15	Adaptor PCB for remote on/off control - constant/pulse contact	£75.00
KRP928A2S	Adaptor PCB for interface to Daikin centralised control systems	£132.00
KLIC-DD	KNX interface for Split type systems	£164.00
RTD-RA	Adaptor PCB for Modbus connection and/or extended system functions	£151.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Features:

- > Can be installed EITHER as ceiling mounted OR wall unit
- > Vertical auto swing: flaps automatically swing up and down to ensure efficient air and temperature distribution in both floor level and ceiling suspended installation
- > Home Leave setting maintains pre-set temperature during periods of extended absence
- > Night set mode: prevents any sudden change in room temperature by gently raising/lowering the temperature before the system stops
- > Fan speed: 5 fan speeds can be selected, high to super low
- > Suitable for multi model applications
- > Re-use of existing R22 and R407C piping possible

## Notes:

- i) All fan coils supplied as standard with infrared remote controller
- ii) Wired controller, KLIC-DI and RTD-RA options cannot be combined
- iii) All fan coil units standard with auto restart after power failure
- iv) Minimum ambient operating temperatures:

	Cooling	Heating
<b>RXS</b>	-10°C	-15°C

# Concealed Floor Standing



Indoor Units			Vertical Ducted			
			FNQ25A	FNQ35A	FNQ50A	FNQ60A
Capacity	UK Total Cooling	kW	2.54	3.32	4.89	5.86
	UK Sensible Cooling	kW	1.89	2.26	3.66	4.11
	Nominal Cooling	kW	2.40	3.40	5.00	6.00
	Nominal Heating	kW	3.20	4.00	5.80	7.00
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	A+	A
	Pdesign	kW	2.60	3.40	5.00	6.00
	SEER		5.63	5.65	5.72	5.51
	Annual Energy Consumption	kWh	162	211	306	381
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+	A+
	Pdesign	kW	2.80	2.90	4.00	4.60
	SCOP		4.24	4.05	4.09	4.16
	Annual Energy Consumption	kWh	925	1002	1369	1548
Nominal Efficiency	EER / COP		3.77 / 4.00	3.06 / 3.48	3.35 / 3.34	2.68 / 3.11
	Energy Label		A / A	B / B	A / C	D / D
	Annual Energy Consumption	kWh	345	556	746	1119
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.145 / 0.133 / 0.122	0.145 / 0.133 / 0.122	0.267 / 0.247 / 0.225	0.225 / 0.247 / 0.025
External Static Pressure	High / Nominal	Pa	48 / 30		49 / 40	
Dimensions	Height (with legs)	mm	620 (720)		620 (720)	
	Width	mm	750		1150	
	Depth	mm	200		200	
Weight		kg	23		30	
Sound Pressure (Cooling)	High / Nom / Low	dBA	33 / 31 / 28		36 / 33 / 30	
Sound Power		dBA	53		56	

Outdoor Units			RXS25L3	RXS35L3	RXS50L	RXS60L
Dimensions	Height x Width x Depth	mm	550 x 765 x 285	550 x 765 x 285	735 x 825 x 300	735 x 825 x 300
Weight		kg	34	34	47	48
Electrical Details	Power Supply		1ph			
	Running Current	A	2.90	4.70	6.30	9.40
	Starting Current	A	3.3	4.3	6.8	10.2
	Max Fuse Size	A	10	10	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5		3+E / 1.5	
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)		1/4 (6.4) / 1/2 (12.7)	
Pipework	Maximum Length	m	20	20	30	30
	Maximum Vertical Rise	m	15	15	20	20
	Precharged to	m	10	10	10	10
	Additional Charge	g/m	20			
	Holding Charge	kg	1.0	1.2	1.7	1.5
Sound Pressure (Cooling)	High / Silent Operation	dBA	46 / 43	48 / 44	48 / 44	49 / 46
Sound Power		dBA	59	61	61	62
Air Flow Rate (Cooling)	High	m³/sec	0.558	0.600	0.848	0.836

<b>Trade Fan Coil Price</b>	<b>£407.00</b>	<b>£503.00</b>	<b>£586.00</b>	<b>£646.00</b>
<b>Trade Condensing Unit Price</b>	<b>£476.00</b>	<b>£552.00</b>	<b>£694.00</b>	<b>£740.00</b>
<b>Total System Price</b>	<b>£883.00</b>	<b>£1,055.00</b>	<b>£1,280.00</b>	<b>£1,386.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC4C65	Wireless remote controller	£152.00
BRC2E52	Wired Simplified remote controller (without auto swing) Recessed simplified remote (see page 100 for options)	£80.00 £180.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus Interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air & VRV. Duty rotation, Lead Lag control & heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4B	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Notes:

- Fan-coils supplied with BRC1E52A hard wired remote
- All fan coil units standard with auto restart after power failure
- Fan-coils supplied as standard with air filter
- FNQ-A supplied with 100mm high legs for optional mounting
- Minimum ambient operating temperature:

	Cooling	Heating
RXS	-10°C	-15°C

## Features:

- > Requires very little installation space
- > Low height makes it ideal for installation beneath window
- > Connect to multi for residential solution
- > Connect to Sky Air for twin, triple or double applications
- > External static pressure of up to 49Pa



FVQ-C / RZQG-L

# Floor Standing – Seasonal Smart

Indoor Units			Single Phase				3 Phase			
			FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A+	A+	-	A++	A+	A+	-
	Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
	SEER		6.31	5.61	5.61	-	6.31	5.61	5.61	-
	Annual Energy Consumption	kWh	378	593	749	-	378	593	749	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A	-	A+	A+	A	-
	Pdesign	kW	6.33	11.30	11.30	-	6.33	11.30	11.30	-
	SCOP		4.05	4.20	3.87	-	4.05	4.20	3.87	-
	Annual Energy Consumption	kWh	2189	3767	4088	-	2189	3767	4088	-
Nominal Efficiency	EER / COP		3.37 / 3.64	3.81 / 4.14	3.21 / 3.7	3.21 / 3.61	3.37 / 3.64	3.81 / 4.14	3.21 / 3.7	3.21 / 3.61
	Energy Label		A / A	A / A	A / A	A / A	A / A	A / A	A / A	A / A
	Annual Energy Consumption	kWh	1010	1245	1870	2085	1010	1245	1870	2085
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.300 / 0.267 / 0.233	0.467 / 0.417 / 0.367	0.467 / 0.433 / 0.400	0.500 / 0.467 / 0.433	0.300 / 0.267 / 0.233	0.467 / 0.417 / 0.367	0.467 / 0.433 / 0.400	0.500 / 0.467 / 0.433
Dimensions	Height	mm	1850	1850	1850	1850	1850	1850	1850	1850
	Width	mm	600	600	600	600	600	600	600	600
	Depth	mm	270	350	350	350	270	350	350	350
Weight		kg	39	47	47	47	39	47	47	47
Sound Pressure (Cooling)	High / Nom / Low	dB(A)	43 / 41 / 38	50 / 47 / 44	51 / 48 / 46	53 / 51 / 48	43 / 41 / 38	50 / 47 / 44	51 / 48 / 46	53 / 51 / 48
Sound Power		dB(A)	55	62	63	65	55	62	63	65

Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140L1Y1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320	1430 x 940 x 320	1430 x 940 x 320	1430 x 940 x 320	990 x 940 x 320	1430 x 940 x 320	1430 x 940 x 320	1430 x 940 x 320
Weight		kg	69	95	95	95	80	101	101	101
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	8.26	10.18	15.29	17.04	3.11	3.83	5.75	6.41
	Starting Current	A	4	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	16	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50	75	75	75	50	75	75	75
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding Charge	kg	2.9	4.0	4.0	4.0	2.9	4.0	4.0	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dB(A)	48 / 43	50 / 45	51 / 45	52 / 45	48 / 43	50 / 45	51 / 45	52 / 45
Sound Power		dB(A)	64	66	67	69	64	66	67	69
Air Flow Rate (Cooling)	Nominal	m³/sec	0.983	1.166	1.166	1.400	0.983	1.166	1.166	1.400
ECA Eligible			●				●			

<b>Trade Fan Coil Price</b>	<b>£999.00</b>	<b>£1,098.00</b>	<b>£1,211.00</b>	<b>£1,302.00</b>	<b>£999.00</b>	<b>£1,098.00</b>	<b>£1,211.00</b>	<b>£1,302.00</b>
<b>Trade Condensing Unit Price</b>	<b>£1,191.00</b>	<b>£1,514.00</b>	<b>£1,666.00</b>	<b>£1,901.00</b>	<b>£1,227.00</b>	<b>£1,584.00</b>	<b>£1,743.00</b>	<b>£2,002.00</b>
<b>Total System Price</b>	<b>£2,190.00</b>	<b>£2,612.00</b>	<b>£2,877.00</b>	<b>£3,203.00</b>	<b>£2,226.00</b>	<b>£2,682.00</b>	<b>£2,954.00</b>	<b>£3,304.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	<b>£92.00</b>
RTD-NET/UK.FB2	Modbus interface PCB for Sky Air and VRV	<b>£190.00</b>
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	<b>£235.00</b>
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	<b>£251.00</b>
KLIC-DI	KNX Interface for Sky Air and VRV systems	<b>£185.00</b>
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	<b>£37.00</b>
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	<b>£46.00</b>
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	<b>£59.00</b>
K.CGM	Condensing Unit Guard size 42-71	<b>£296.00</b>
K.CGL	Condensing Unit Guard size 100-140 including RXYSQ	<b>£354.00</b>

## Notes:

- i) All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- ii) All fan coil units standard with auto restart after power failure
- iii) Minimum ambient operating temperatures:

	Cooling	Heating
RZQG	-15°C	-20°C
RZQSG	-15°C	-15°C

## Features:

- > Seasonally Efficient Inverter Technology gives up to 25% better efficiency than Inverter Technology
- > Vertical air flow pattern can be adjusted manually to match requirements in different sized interiors or irregularly shaped rooms
- > A wired BRC1E52A remote controller is mounted on the front of the unit (standard)
- > Controllable horizontal air-blow patterns, via remote control
- > Very efficient for use in rooms with high ceilings
- > Fan speed: 2 fan speeds can be selected, high or low
- > Re-use of existing R22 and R407C piping possible
- > Comms, computer and server room cooling possible with EDP setting (Seasonal Smart)
- > Selectable evaporating & condensing temperature for greater operating efficiency (Seasonal Smart)
- > DIII net compatibility as standard



# Floor Standing – Seasonal Classic



Indoor Units			Single Phase				3 Phase		
			FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ100C	FVQ125C	FVQ140C
Capacity	UK Total Cooling	kW	7.28	10.80	13.60	14.90	10.80	13.60	14.90
	UK Sensible Cooling	kW	4.99	7.44	9.30	10.25	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A	A	A	-	A	A	-
	Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-
	SEER		5.50	5.50	5.50	-	5.50	5.50	-
	Annual Energy Consumption	kWh	433	605	764	-	605	764	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A	A+	A	-	A+	A	-
	Pdesign	kW	6.33	7.60	7.60	-	7.60	7.60	-
	SCOP		3.86	4.01	3.85	-	4.01	3.85	-
	Annual Energy Consumption	kWh	2296	2654	2764	-	2654	2764	-
Nominal Efficiency	EER / COP		3.21 / 3.61	3.21 / 3.61	2.81 / 3.41	3.01 / 3.41	3.21 / 3.61	2.81 / 3.41	3.01 / 3.41
	Energy Label		A / A	A / A	C / B	B / B	A / A	C / B	B / B
	Annual Energy Consumption	kWh	1059	1480	2135	2225	1480	2135	2225
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.300 / 0.267 / 0.233	0.467 / 0.417 / 0.367	0.467 / 0.433 / 0.400	0.500 / 0.467 / 0.433	0.467 / 0.417 / 0.367	0.467 / 0.433 / 0.400	0.500 / 0.467 / 0.433
Dimensions	Height	mm	1850	1850	1850	1850	1850	1850	1850
	Width	mm	600	600	600	600	600	600	600
	Depth	mm	270	350	350	350	350	350	350
Weight		kg	39	47	47	47	47	47	
Sound Pressure (Cooling)	High / Nom / Low	dBA	43 / 41 / 38	50 / 47 / 44	51 / 48 / 46	53 / 51 / 48	50 / 47 / 44	51 / 48 / 46	53 / 51 / 48
Sound Power		dBA	55	62	60	63	59	60	63

Outdoor Units			RZQSG71L3V1	RZQSG100L9V1	RZQSG125L9V1	RZQSG140L9V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140L1Y1	
Dimensions	Height x Width x Depth	mm	770 x 900 x 320		990 x 940 x 320		1430 x 940 x 320		990 x 940 x 320	1430 x 940 x 320
Weight		kg	72	74		104	82		101	
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	8.66	12.10	17.45	18.19	4.55	6.56	6.84	
	Starting Current	A	4	4	4	4	4	4	4	
	Max Fuse Size	A	20	32	32	32	20	20	20	
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)						3/8 (9.5) / 5/8 (15.9)	
Pipework	Maximum Length	m	50	50	50	50	50	50	50	
	Maximum Vertical Rise	m	15	30	30	30	30	30	30	
	Precharged to	m	30	30	30	30	30	30	30	
	Additional Charge	g/m	Refer to Installation Manual						Refer to Installation Manual	
	Holding Charge	kg	2.75	2.9	2.9	4.0	2.9	2.9	4.0	
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 49	53 / 49	54 / 49	53 / 49	53 / 49	54 / 49	53 / 49	
Sound Power		dBA	65	70	70	69	70	70	69	
Air Flow Rate (Cooling)	High	m³/sec	0.833	1.266	1.283	1.383	1.266	1.283	1.383	

<b>Trade Fan Coil Price</b>	<b>£999.00</b>	<b>£1,098.00</b>	<b>£1,211.00</b>	<b>£1,302.00</b>	<b>£1,098.00</b>	<b>£1,211.00</b>	<b>£1,302.00</b>
<b>Trade Condensing Unit Price</b>	<b>£820.00</b>	<b>£1,135.00</b>	<b>£1,245.00</b>	<b>£1,386.00</b>	<b>£1,170.00</b>	<b>£1,282.00</b>	<b>£1,428.00</b>
<b>Total System Price</b>	<b>£1,819.00</b>	<b>£2,233.00</b>	<b>£2,456.00</b>	<b>£2,688.00</b>	<b>£2,268.00</b>	<b>£2,493.00</b>	<b>£2,730.00</b>





# Ceiling Suspended – Seasonal Smart



Indoor Units			Single Phase				3 Phase			
			FHQ71CB	FHQ100CB	FHQ125CB	FHQ140CB	FHQ71CB	FHQ100CB	FHQ125CB	FHQ140CB
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A+	-	A++	A++	A+	-
	Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
	SEER		6.95	6.11	6.01	-	6.95	6.11	6.01	-
	Annual Energy Consumption	kWh	343	454	699	-	343	545	699	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A+	-	A+	A++	A+	-
	Pdesign	kW	7.60	11.30	14.13	-	7.60	11.30	14.13	-
	SCOP		4.32	4.61	4.23	-	4.32	4.61	4.23	-
	Annual Energy Consumption	kWh	2462	3431	4677	-	2462	3431	4677	-
Nominal Efficiency	EER / COP		3.82 / 4.13	3.81 / 4.15	3.52 / 3.89	3.31 / 3.63	3.82 / 4.13	3.81 / 4.15	3.52 / 3.89	3.31 / 3.63
	Energy Label		A / A	A / A	A / A	A / A	A / A	A / A	A / A	A / A
	Annual Energy Consumption	kWh	890	1245	1790	2025	890	1245	1790	2025
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.342 / 0.283 / 0.233	0.467 / 0.400 / 0.333	0.517 / 0.450 / 0.383	0.567 / 0.483 / 0.400	0.342 / 0.283 / 0.233	0.467 / 0.400 / 0.333	0.517 / 0.450 / 0.383	0.567 / 0.483 / 0.400
Dimensions	Height	mm	235	235	235	235	235	235	235	235
	Width	mm	1270	1590	1590	1590	1270	1590	1590	1590
	Depth	mm	690	690	690	690	690	690	690	690
Weight		kg	32	38	38	38	32	38	38	38
Sound Pressure (Cooling)	High / Nom / Low	dBA	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38
Sound Power		dBA	53	56	59	60	53	56	59	60

Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140L8Y1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320		1430 x 940 x 320		990 x 940 x 320		1430 x 940 x 320	
Weight		kg	69	95		80	101			
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	7.27	10.18	14.63	16.55	2.74	3.83	5.50	6.23
	Starting Current	A	4	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	16	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50	75	75	75	50	75	75	75
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding Charge	kg	2.9	4.0	4.0	4.0	2.9	4.0	4.0	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43	50 / 45	51 / 45	52 / 45	48 / 43	50 / 45	51 / 45	52 / 45
Sound Power		dBA	64	66	67	69	64	66	67	69
Air Flow Rate (Cooling)	Nominal	m <sup>3</sup> /sec	0.983	1.166	1.166	1.400	0.983	1.166	1.166	1.400

ECA Eligible		●	●	●	●	●	●	●	●	●
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<b>Trade Fan Coil Price</b>	<b>£926.00</b>	<b>£983.00</b>	<b>£1,229.00</b>	<b>£1,459.00</b>	<b>£926.00</b>	<b>£983.00</b>	<b>£1,229.00</b>	<b>£1,459.00</b>
<b>Trade Condensing Unit Price</b>	<b>£1,191.00</b>	<b>£1,514.00</b>	<b>£1,666.00</b>	<b>£1,901.00</b>	<b>£1,227.00</b>	<b>£1,584.00</b>	<b>£1,743.00</b>	<b>£2,002.00</b>
<b>Total System Price</b>	<b>£2,117.00</b>	<b>£2,497.00</b>	<b>£2,895.00</b>	<b>£3,360.00</b>	<b>£2,153.00</b>	<b>£2,567.00</b>	<b>£2,972.00</b>	<b>£3,461.00</b>

**Accessories:**

Accessory Ref	Description	Trade Price
BRC7G53	Wireless remote controller	£152.00
EKRORO4	Remote on/off control interface kit	£29.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£46.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00
K.CGL	Condensing Unit Guard size 100-140 including RXY5Q	£354.00
KDDQ50A140	Fresh air intake kit for up to 20% fresh air	£158.00

**Features:**

- > Suitable for ceiling heights of up to 3.8m without loss of capacity
- > Seasonally Efficient Inverter Technology gives up to 25% better efficiency than inverter technology
- > Forced off: The optional forced off enables the unit to switch off automatically, for example when a window is opened
- > Re-use of existing R22 and R407C piping possible
- > Suitable for Twin, Triple and Double Twin applications
- > Comms, computer and server room cooling possible with EDP setting (Seasonal Smart)
- > Selectable evaporating & condensing temperature for greater operating efficiency (Seasonal Smart)
- > DIII net compatibility as standard

**Notes:**

- i) All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- ii) BRC7GA53 Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
- iii) All fan coil units standard with auto restart after power failure
- iv) Minimum ambient operating temperatures:

	Cooling	Heating
RZQG	-15°C	-20°C
RZQSG	-15°C	-15°C



# Ceiling Suspended – Seasonal Classic



Indoor Units			Single Phase				3 Phase		
			FHQ71CB	FHQ100CB	FHQ125CB	FHQ140CB	FHQ100CB	FHQ125CB	FHQ140CB
Capacity	UK Total Cooling	kW	7.28	10.80	13.60	14.90	13.60	14.90	
	UK Sensible Cooling	kW	4.99	7.44	9.30	10.25	7.44	10.25	
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	9.50	12.00	
	Nominal Heating	kW	7.50	10.80	13.50	15.50	10.80	13.50	
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	A+	-	A+	A+	
	Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	
	SEER		5.61	5.61	5.61	-	5.61	5.61	
	Annual Energy Consumption	kWh	424	593	748	-	593	748	
Seasonal Efficiency (EN14825) HEATING	Energy Label		A	A	A+	-	A	A+	
	Pdesign	kW	7.60	7.60	7.60	-	7.60	7.60	
	SCOP		3.90	3.91	4.01	-	3.91	4.01	
	Annual Energy Consumption	kWh	2727	2722	2654	-	2722	2654	
Nominal Efficiency	EER / COP		3.46 / 4	3.21 / 3.61	2.89 / 3.62	3.01 / 3.41	3.21 / 3.61	2.89 / 3.62	
	Energy Label		A / A	A / A	C / A	B / B	A / A	C / A	
	Annual Energy Consumption	kWh	985	1480	2075	2225	1480	2075	
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.342 / 0.283 / 0.233	0.467 / 0.400 / 0.333	0.517 / 0.450 / 0.383	0.567 / 0.483 / 0.400	0.467 / 0.400 / 0.333	0.517 / 0.450 / 0.383	
Dimensions	Height	mm	235	235	235	235	235	235	
	Width	mm	1270	1590	1590	1590	1590	1590	
	Depth	mm	690	690	690	690	690	690	
Weight		kg	32	38	38	38	38	38	
Sound Pressure (Cooling)	High / Nom / Low	dBA	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38	42 / 38 / 34	44 / 41 / 37	
Sound Power		dBA	53	56	59	60	56	59	

Outdoor Units			RZQSG71L3V1	RZQSG100L9V1	RZQSG125L9V1	RZQSG140L9V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140L1	
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320		1430 x 940 x 320	990 x 940 x 320		1430 x 940 x 320	
Weight		kg	72	74		95	82		101	
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	8.05	12.10	16.96	18.19	4.52	6.34	6.80	
	Starting Current	A	4	4	4	4	4	4	4	
	Max Fuse Size	A	20	32	32	32	20	20	20	
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)						3/8 (9.5) / 5/8 (15.9)	
Pipework	Maximum Length	m	50	50	50	50	50	50	50	
	Maximum Vertical Rise	m	15	30	30	30	30	30	30	
	Precharged to	m	30	30	30	30	30	30	30	
	Additional Charge	g/m	Refer to Installation Manual						Refer to Installation Manual	
	Holding Charge	kg	2.75	2.9	2.9	4.0	2.9	2.9	4.0	
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 49	53 / 49	54 / 49	53 / 49	53 / 49	54 / 49	53 / 49	
Sound Power		dBA	65	70	70	69	70	70	69	
Air Flow Rate (Cooling)	High	m³/sec	0.866	1.266	1.283	1.383	1.266	1.283	1.383	

<b>Trade Fan Coil Price</b>	<b>£926.00</b>	<b>£983.00</b>	<b>£1,229.00</b>	<b>£1,459.00</b>	<b>£983.00</b>	<b>£1,229.00</b>	<b>£1,459.00</b>
<b>Trade Condensing Unit Price</b>	<b>£820.00</b>	<b>£1,135.00</b>	<b>£1,245.00</b>	<b>£1,386.00</b>	<b>£1,170.00</b>	<b>£1,282.00</b>	<b>£1,428.00</b>
<b>Total System Price</b>	<b>£1,746.00</b>	<b>£2,118.00</b>	<b>£2,474.00</b>	<b>£2,845.00</b>	<b>£2,153.00</b>	<b>£2,511.00</b>	<b>£2,887.00</b>



**R-410A**

FHQ-C9 / RXS-L

# Ceiling Suspended



Indoor Units			FHQ35C9	FHQ50C9	FHQ60C9
Capacity	UK Total Cooling	kW	3.32	4.92	5.57
	UK Sensible Cooling	kW	2.58	3.52	3.93
	Nominal Cooling	kW	3.40	5.00	5.70
	Nominal Heating	kW	4.00	6.00	7.20
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A+	A+
	Pdesign	kW	3.40	5.00	5.70
	SEER		6.18	5.87	6.02
	Annual Energy Consumption	kWh	193	298	332
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A	A
	Pdesign	kW	3.10	4.35	4.71
	SCOP		4.43	3.86	3.87
	Annual Energy Consumption	kWh	981	1578	1705
Nominal Efficiency	EER / COP		3.58 / 4.08	3.18 / 3.35	3.26 / 3.32
	Energy Label		A / A	B / C	A / C
	Annual Energy Consumption	kWh	475	785	875
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.233 / 0.192 / 0.167	0.250 / 0.200 / 0.167	0.325 / 0.250 / 0.250
Dimensions	Height	mm	235	235	235
	Width	mm	960	960	1270
	Depth	mm	690	690	690
Weight		kg	24	25	31
Sound Pressure (Cooling)	High / Nom / Low	dBA	36 / 34 / 31	37 / 35 / 32	37 / 35 / 33
Sound Power		dBA	53	54	54

Outdoor Units			RXS35L3	RXS50L	RXS60L
Dimensions	Height x Width x Depth	mm	550 x 765 x 285	735 x 825 x 300	735 x 825 x 300
Weight		kg	34	47	48
Electrical Details	Power Supply			1ph	
	Running Current	A	4.1	7.3	7.8
	Starting Current	A	4.3	6.8	10.2
	Max Fuse Size	A	10	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5	3+E / 1.5	
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)	1/4 (6.4) / 1/2 (12.7)	
Pipework	Maximum Length	m	20	30	30
	Maximum Vertical Rise	m	15	20	20
	Precharged to	m	10	10	10
	Additional Charge	g/m		20.0	
	Holding Charge	kg	1.2	1.7	1.5
Sound Pressure (Cooling)	High / Silent Operation	dBA	48 / 44	48 / 44	49 / 46
Sound Power		dBA	61	62	62
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.600	0.848	0.836
ECA Eligible			●		

<b>Trade Fan Coil Price</b>	<b>£666.00</b>	<b>£722.00</b>	<b>£792.00</b>
<b>Trade Condensing Unit Price</b>	<b>£552.00</b>	<b>£694.00</b>	<b>£740.00</b>
<b>Total System Price</b>	<b>£1,218.00</b>	<b>£1,416.00</b>	<b>£1,532.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC7G53	Wireless remote controller	£152.00
EKRORO4	Remote on/off control interface kit	£29.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus Interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock.	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV.	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00
KDDQ50A140	Fresh air intake kit for up to 20% fresh air	£158.00

## Notes:

- i) All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- ii) BRC7GA53 Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
- iii) All fan coil units standard with auto restart after power failure
- iv) Minimum ambient operating temperatures:

	Cooling	Heating
<b>RXS</b>	-10°C	-15°C

## Features:

- > Suitable for ceiling heights of up to 3.8m without loss of capacity
- > Vertical auto-swung function of flaps ensures efficient air and temperature distribution
- > Forced off: The optional forced off feature enables the unit to switch off automatically, for example when a window is opened
- > Re-use of existing R22 and R407C piping possible
- > Suitable for Twin, Triple and Double Twin applications



**To simplify the order process, you may want to use the Order Code from table below.**

Each code includes all products for a system (eg remote controllers, indoor units) & means you no longer need to order individual materials.

Refrigerant	Indoor	Model	Capacity	Order Code	Product Codes Included	List Price		
R32	Wall Mount	Urru Sarara	2.5kW	SB.FTX225N/RXZN	FTX225N x 1 & RXZ25N x 1	<b>£1,283.00</b>		
			3.5kW	SB.FTX235N/RXZN	FTX235N x 1 & RXZ35N x 1	<b>£1,490.00</b>		
			5.0kW	SB.FTX250N/RXZN	FTX250N x 1 & RXZ50N x 1	<b>£1,673.00</b>		
		Emura (Silver)	2.0kW	SB.FTXJ20MS/RXJM	RXJ20M & FTXJ20MS	<b>£831.00</b>		
			2.5kW	SB.FTXJ25MS/RXJM	RXJ25M & FTXJ25MS	<b>£876.00</b>		
			3.5kW	SB.FTXJ35MS/RXJM	RXJ35M & FTXJ35MS	<b>£1,003.00</b>		
		Emura (White)	5.0kW	SB.FTXJ50MS/RXJM	RXJ50M & FTXJ50MS	<b>£1,342.00</b>		
			2.0kW	SB.FTXJ20MW/RXJM	RXJ20M & FTXJ20MW	<b>£778.00</b>		
			2.5kW	SB.FTXJ25MW/RXJM	RXJ25M & FTXJ25MW	<b>£820.00</b>		
		FTXM (Standard Inverter)	3.5kW	SB.FTXJ35MW/RXJM	RXJ35M & FTXJ35MW	<b>£941.00</b>		
			5.0kW	SB.FTXJ50MW/RXJM	RXJ50M & FTXJ50MW	<b>£1,259.00</b>		
			2.0kW	SB.FTXM20M/RXMM	RXM20M & FTXM20M	<b>£620.00</b>		
		Emura (Silver)	2.5kW	SB.FTXM25M/RXMM	RXM25M & FTXM25M	<b>£673.00</b>		
			3.5kW	SB.FTXM35M/RXMM	RXM35M & FTXM35M	<b>£779.00</b>		
			4.2kW	SB.FTXM42M/RXMM	RXM42M & FTXM42M	<b>£878.00</b>		
			5.0kW	SB.FTXM50M/RXMM	RXM50M & FTXM50M	<b>£1,039.00</b>		
			6.0kW	SB.FTXM60M/RXMM	RXM60M & FTXM60M	<b>£1,092.00</b>		
		R410A	Wall Mount	Emura (Silver)	7.1kW	SB.FTXM71M/RXMM	RXM71M & FTXM71M	<b>£1,484.00</b>
					2.0kW	SB.FTXG20LS_WIFI/R	BRP069A41 x 1 & FTXG20LS x 1 & RXG20L x 1	<b>£831.00</b>
					2.5kW	SB.FTXG25LS_WIFI/R	BRP069A41 x 1 & FTXG25LS x 1 & RXG25L x 1	<b>£873.00</b>
				Emura (White)	3.5kW	SB.FTXG35LS_WIFI/R	BRP069A41 x 1 & FTXG35LS x 1 & RXG35L x 1	<b>£994.00</b>
					5.0kW	SB.FTXG50LS_WIFI/R	BRP069A41 x 1 & FTXG50LS x 1 & RXG50L x 1	<b>£1,317.00</b>
					2.0kW	SB.FTXG25LW_WIFI/R	BRP069A41 x 1 & FTXG25LW x 1 & RXG25L x 1	<b>£780.00</b>
				FTXS (Standard Inverter)	2.5kW	SB.FTXG35LW_WIFI/R	BRP069A41 x 1 & FTXG35LW x 1 & RXG35L x 1	<b>£820.00</b>
3.5kW	SB.FTXG50LW_WIFI/R				BRP069A41 x 1 & FTXG50LW x 1 & RXG50L x 1	<b>£935.00</b>		
5.0kW	SB.FTXG20LW_WIFI/R				BRP069A41 x 1 & FTXG20LW x 1 & RXG20L x 1	<b>£1,238.00</b>		
2.0kW	SB.FTXS20K/RXSL3				FTXS20K x 1 & RXS20L3 x 1	<b>£590.00</b>		
2.5kW	SB.FTXS25K/RXSL3				FTXS25K x 1 & RXS25L3 x 1	<b>£641.00</b>		
FTX (Low Inverter)	3.5kW			SB.FTXS35K/RXSL3	FTXS35K x 1 & RXS35L3 x 1	<b>£741.00</b>		
	4.2kW			SB.FTXS42K/RXSL3	FTXS42K x 1 & RXS42L x 1	<b>£835.00</b>		
	5.0kW			SB.FTXS50K/RXSL3	FTXS50K x 1 & RXS50L x 1	<b>£988.00</b>		
	6.0kW			SB.FTXS60G/RXSL3	FTXS60G x 1 & RXS60L x 1	<b>£1,040.00</b>		
	7.1kW			SB.FTXS71G/RXSF8	FTXS71G x 1 & RXS71F8 x 1	<b>£1,413.00</b>		
Smart Single Phase	2.0kW			SB.FTX20KV/RXK	RX20K & FTX20KV	<b>£428.00</b>		
	2.5kW			SB.FTX25KV/RXK	RX25K & FTX25KV	<b>£461.00</b>		
	3.5kW			SB.FTX35KV/RXK	RX35K & FTX35KV	<b>£533.00</b>		
	5.0kW			SB.FTX50KV/RXK	RX50K & FTX50KV	<b>£738.00</b>		
	6.0kW			SB.FTX60KV/RXK	RX60K & FTX60KV	<b>£776.00</b>		
	7.1kW			SB.FTX71KV/RXK	RX71K & FTX71KV	<b>£1,093.00</b>		
	7.1kW			SB.FAQ71C9_F/GLV	BRC1E52A x 1 & FAQ71C x 1 & RZQG71L9V1 x 1	<b>£1,940.00</b>		
	10.0kW			SB.FAQ100C9_F/GLV	BRC1E52A x 1 & FAQ100C x 1 & RZQG100L9V1 x 1	<b>£2,322.00</b>		
	7.1kW	SB.FAQ71C9_F/GLY	BRC1E52A x 1 & FAQ71C x 1 & RZQG71L8Y1 x 1	<b>£1,976.00</b>				
	10.0kW	SB.FAQ100C9_F/GLY	BRC1E52A x 1 & FAQ100C x 1 & RZQG100L8Y1 x 1	<b>£2,392.00</b>				
	7.1kW	SB.FAQ71C9_F/SLV	BRC1E52A x 1 & FAQ71C x 1 & RZQSG71L3V1 x 1	<b>£1,569.00</b>				
	10.0kW	SB.FAQ100C9_F/SLV	BRC1E52A x 1 & FAQ100C x 1 & RZQSG100L9V1 x 1	<b>£1,943.00</b>				
Classic Single Phase	10.0kW	SB.FAQ100C9_F/SLY	BRC1E52A x 1 & FAQ100C x 1 & RZQSG100L8Y1 x 1	<b>£1,978.00</b>				
	2.5kW	SB.FVXG25K/RXGL	FVXG25K x 1 & RXG25L x 1	<b>£1,135.00</b>				
	3.5kW	SB.FVXG35K/RXGL	FVXG35K x 1 & RXG35L x 1	<b>£1,264.00</b>				
	5.0kW	SB.FVXG50K/RXGL	FVXG50K x 1 & RXG50L x 1	<b>£1,533.00</b>				
	Nexura (Stylish Floor Standing Cased)	2.5kW	SB.FVXS25F/RXSL3	FVXS25F x 1 & RXS25L3 x 1	<b>£999.00</b>			
		3.5kW	SB.FVXS35F/RXSL3	FVXS35F x 1 & RXS35L3 x 1	<b>£1,116.00</b>			
		5.0kW	SB.FVXS50F/RXSL3	FVXS50F x 1 & RXS50L x 1	<b>£1,310.00</b>			
	FVXS (Floor Standing Cased)	7.1kW	SB.FVQ71C_F/GLV	BRC1E52A x 1 & FVQ71C x 1 & RZQG71L9V1 x 1	<b>£2,190.00</b>			
		10.0kW	SB.FVQ100C_F/GLV	BRC1E52A x 1 & FVQ100C x 1 & RZQG100L9V1 x 1	<b>£2,612.00</b>			
		12.5kW	SB.FVQ125C_F/GLV	BRC1E52A x 1 & FVQ125C x 1 & RZQG125L9V1 x 1	<b>£2,877.00</b>			
	Smart Single Phase	14.0kW	SB.FVQ140C_F/GLV	BRC1E52A x 1 & FVQ140C x 1 & RZQG140L9V1 x 1	<b>£3,230.00</b>			
		7.1kW	SB.FVQ71C_F/GLY	BRC1E52A x 1 & FVQ71C x 1 & RZQG71L8Y1 x 1	<b>£2,226.00</b>			
10.0kW		SB.FVQ100C_F/GLY	BRC1E52A x 1 & FVQ100C x 1 & RZQG100L8Y1 x 1	<b>£2,682.00</b>				
Smart Three Phase	12.5kW	SB.FVQ125C_F/GLY	BRC1E52A x 1 & FVQ125C x 1 & RZQG125L8Y1 x 1	<b>£2,954.00</b>				
	14.0kW	SB.FVQ140C_F/GLY	BRC1E52A x 1 & FVQ140C x 1 & RZQG140L8Y1 x 1	<b>£3,304.00</b>				
	7.1kW	SB.FVQ71C_F/SLV	BRC1E52A x 1 & FVQ71C x 1 & RZQSG71L3V1 x 1	<b>£1,189.00</b>				
Classic Single Phase	10.0kW	SB.FVQ100C_F/SLV	BRC1E52A x 1 & FVQ100C x 1 & RZQSG100L9V1 x 1	<b>£2,233.00</b>				
	12.5kW	SB.FVQ125C_F/SLV	BRC1E52A x 1 & FVQ125C x 1 & RZQSG125L9V1 x 1	<b>£2,456.00</b>				
	14.0kW	SB.FVQ140C_F/SLV	BRC1E52A x 1 & FVQ140C x 1 & RZQSG140L9V1 x 1	<b>£2,688.00</b>				
Classic Three Phase	10.0kW	SB.FVQ100C_F/SLY	BRC1E52A x 1 & FVQ100C x 1 & RZQSG100L8Y1 x 1	<b>£2,268.00</b>				
	12.5kW	SB.FVQ125C_F/SLY	BRC1E52A x 1 & FVQ125C x 1 & RZQSG125L8Y1 x 1	<b>£2,493.00</b>				
	14.0kW	SB.FVQ140C_F/SLY	BRC1E52A x 1 & FVQ140C x 1 & RZQSG140L8Y1 x 1	<b>£2,730.00</b>				
Flexi (FLXS)	2.5kW	SB.FLXS25B/RXSL3	FLXS25B x 1 & RXS25L3 x 1	<b>£852.00</b>				
	3.5kW	SB.FLXS35B9/RXSL3	FLXS35B9 x 1 & RXS35L3 x 1	<b>£975.00</b>				
	5.0kW	SB.FLXS50B/RXSL3	FLXS50B x 1 & RXS50L x 1	<b>£1,153.00</b>				
Concealed Floor Standing (FNQ)	2.5kW	SB.FNQ25A_F/RXSL3	BRC1E52A x 1 & FNQ25A x 1 & RXS35L3 x 1	<b>£883.00</b>				
	3.5kW	SB.FNQ35A_F/RXSL3	BRC1E52A x 1 & FNQ35A x 1 & RXS35L3 x 1	<b>£1,055.00</b>				
	5.0kW	SB.FNQ50A_F/RXSL3	BRC1E52A x 1 & FNQ50A x 1 & RXS50L x 1	<b>£1,280.00</b>				
Smart Single Phase	6.0kW	SB.FNQ60A_F/RXSL3	BRC1E52A x 1 & FNQ60A x 1 & RXS60L x 1	<b>£1,386.00</b>				
	7.1kW	SB.FHQ71CB_F/GLV	BRC1E52A x 1 & FHQ71CB x 1 & RZQG71L9V1 x 1	<b>£2,117.00</b>				
	10.0kW	SB.FHQ100CB_F/GLV	BRC1E52A x 1 & FHQ100CB x 1 & RZQG100L9V1 x 1	<b>£2,497.00</b>				
	12.5kW	SB.FHQ125CB_F/GLV	BRC1E52A x 1 & FHQ125CB x 1 & RZQG125L9V1 x 1	<b>£2,895.00</b>				
	14.0kW	SB.FHQ140CB_F/GLV	BRC1E52A x 1 & FHQ140CB x 1 & RZQG140L9V1 x 1	<b>£3,360.00</b>				
	7.1kW	SB.FHQ71CB_F/GLY	BRC1E52A x 1 & FHQ71CB x 1 & RZQG71L8Y1 x 1	<b>£2,153.00</b>				
	10.0kW	SB.FHQ100CB_F/GLY	BRC1E52A x 1 & FHQ100CB x 1 & RZQG100L8Y1 x 1	<b>£2,567.00</b>				
	12.5kW	SB.FHQ125CB_F/GLY	BRC1E52A x 1 & FHQ125CB x 1 & RZQG125L8Y1 x 1	<b>£2,972.00</b>				
	14.0kW	SB.FHQ140CB_F/GLY	BRC1E52A x 1 & FHQ140CB x 1 & RZQG140L8Y1 x 1	<b>£3,461.00</b>				
	Classic Single Phase	7.1kW	SB.FHQ71CB_F/SLV	BRC1E52A x 1 & FHQ71CB x 1 & RZQSG71L3V1 x 1	<b>£1,746.00</b>			
		10.0kW	SB.FHQ100CB_F/SLV	BRC1E52A x 1 & FHQ100CB x 1 & RZQSG100L9V1 x 1	<b>£2,118.00</b>			
		12.5kW	SB.FHQ125CB_F/SLV	BRC1E52A x 1 & FHQ125CB x 1 & RZQSG125L9V1 x 1	<b>£2,474.00</b>			
Classic Three Phase	14.0kW	SB.FHQ140CB_F/SLV	BRC1E52A x 1 & FHQ125CB x 1 & RZQSG125L9V1 x 1	<b>£2,845.00</b>				
	10.0kW	SB.FHQ100CB_F/SLY	BRC1E52A x 1 & FHQ100CB x 1 & RZQSG100L8Y1 x 1	<b>£2,153.00</b>				
	12.5kW	SB.FHQ125CB_F/SLY	BRC1E52A x 1 & FHQ125CB x 1 & RZQSG125L8Y1 x 1	<b>£2,511.00</b>				
RXS	14.0kW	SB.FHQ140CB_F/SLY	BRC1E52A x 1 & FHQ140CB x 1 & RZQSG140L8Y1 x 1	<b>£2,887.00</b>				
	3.5kW	SB.FHQ35CB_F/RXSL3	BRC1E52A x 1 & FHQ35CB x 1 & RXS35L3 x 1	<b>£1,281.00</b>				
	5.0kW	SB.FHQ50CB_F/RXSL3	BRC1E52A x 1 & FHQ50CB x 1 & RXS50L x 1	<b>£1,416.00</b>				
R32	Ceiling Suspended	RXS	6.0kW	SB.FHQ60CB_F/RXSL3	BRC1E52A x 1 & FHQ60CB x 1 & RXS60L x 1	<b>£1,532.00</b>		



FCQHG-F / RZQG-L

# High COP Roundflow Cassette – Seasonal Smart

Indoor Units			Single Phase				3 Phase			
			FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++	-	A++	A++	A++	-
	Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
	SEER		7.00	7.00	6.61	-	7.00	7.00	6.61	-
	Annual Energy Consumption	kWh	340	475	636	-	340	475	636	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A++	-	A+	A++	A++	-
	Pdesign	kW	7.60	11.30	12.66	-	7.60	11.30	12.66	-
	SCOP		4.54	4.80	4.63	-	4.54	4.80	4.63	-
	Annual Energy Consumption	kWh	2344	3296	3829	-	2344	3296	3829	-
Nominal Efficiency	EER / COP		4.09 / 4.8	4.42 / 4.99	4 / 4.4	3.35 / 4.12	4.09 / 4.8	4.42 / 4.99	4 / 4.4	3.35 / 4.14
	Energy Label		A / A	A / A	A / A	A / A	A / A	A / A	A / A	A / A
	Annual Energy Consumption	kWh	830	1075	1500	2000	830	1075	1500	2000
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.353 / 0.270 / 0.203	0.538 / 0.428 / 0.317	0.558 / 0.445 / 0.332	0.558 / 0.455 / 0.352	0.353 / 0.270 / 0.203	0.538 / 0.428 / 0.317	0.558 / 0.445 / 0.332	0.558 / 0.455 / 0.352
Dimensions (with Decoration Panel)	Height	mm	288(348)	288 (348)	288 (348)	288 (348)	288(348)	288 (348)	288 (348)	288 (348)
	Width	mm	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
	Depth	mm	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
Weight (with Decoration Panel)		kg	25 (30.4)	26 (31.4)	26 (31.4)	26 (31.4)	25 (30.4)	26 (31.4)	26 (31.4)	26 (31.4)
Sound Pressure (Cooling)	High / Nom / Low	dBA	36 / 33 / 29	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37	36 / 33 / 29	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37
Sound Power		dBA	53	61	61	61	53	61	61	61
Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320		1430 x 940 x 320		990 x 940 x 320		1430 x 940 x 320	
Weight		kg	69	95		80	101			
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	6.78	8.79	12.26	16.35	2.55	3.31	4.61	6.15
	Starting Current	A	4	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	16	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50	75	75	75	50	75	75	75
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding Charge	kg	2.9	4.0	4.0	4.0	2.9	4.0	4.0	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43	50 / 45	51 / 45	52 / 45	48 / 43	50 / 45	51 / 45	52 / 45
Sound Power		dBA	64	66	67	69	64	66	67	69
Air Flow Rate (Cooling)	Nom	m <sup>3</sup> /sec	0.983	1.166	1.166	1.400	0.983	1.166	1.166	1.400
ECA Eligible			●	●	●	●	●	●	●	●
<b>Trade Fan Coil Price</b>			<b>£787.00</b>	<b>£890.00</b>	<b>£972.00</b>	<b>£1,168.00</b>	<b>£787.00</b>	<b>£890.00</b>	<b>£972.00</b>	<b>£1,168.00</b>
<b>Trade Condensing Unit Price</b>			<b>£1,191.00</b>	<b>£1,514.00</b>	<b>£1,666.00</b>	<b>£1,901.00</b>	<b>£1,227.00</b>	<b>£1,584.00</b>	<b>£1,743.00</b>	<b>£2,002.00</b>
<b>Total System Price</b>			<b>£1,978.00</b>	<b>£2,404.00</b>	<b>£2,638.00</b>	<b>£3,069.00</b>	<b>£2,014.00</b>	<b>£2,474.00</b>	<b>£2,715.00</b>	<b>£3,170.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC7FA532F	Wireless remote controller	£152.00
BYCQ140DG	Roundflow cassette decoration panel with self cleaning filter	£310.00
BYCQ140DW	Roundflow cassette decoration panel - white louvres	£160.00
BRYQ140A	Integral PIR Sensor for Roundflow decoration panel. Enables Energy Saving functions	£99.00
KDBHQ55B140	Sealing member for air discharge outlet	£90.00
KDDQ55B140 1&2	Fresh air intake kit for up to 20% fresh air - 2 part kit	£233.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£46.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGM	Condensing Unit Guard size 42-71	£296.00
K.CGL	Condensing Unit Guard size 100-140 including RXYSQ	£354.00

## Features:

- > The FCQHG model is designed for 2014 ErP regulations and has one of the highest COP values on the market
- > The unique 360° radial air pattern ensures uniform air flow and temperature distribution
- > Optional Presence Sensors detects if room is unoccupied and allows temperature to drift to set-back levels
- > Optional Self Cleaning Filter The BYCQ140DG decoration panel can offer energy savings, reduced maintenance time and cost
- > Optional Fresh Air intake (up to 20%) possible
- > Suitable for Twin, Triple and Double Twin applications (Smart & Classic)
- > Re-use of existing R22 and R407C piping possible
- > Selectable evaporating & condensing temperature for greater operating efficiency (Seasonal Smart)
- > Dlll net compatibility as standard

## Notes:

- All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- BRC7FA532F Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with BYCQ140D Decoration panel
- BYCQ140DW / BYCQ140DG Trade prices will be reduced by £142.00 if ordered in place of standard decoration panel
- Minimum ambient operating temperatures:

	Cooling	Heating
RZQG	-15°C	-20°C
RZQSG	-15°C	-15°C
AZQS	-5°C	-15°C
- FCQG-F / FCQHG-F compatible with RZQG / RZQSG
- FCQG-F / FCQHG-F are same price





FCQG-F / RZQSG-L

# Compact Roundflow Cassette – Seasonal Classic

Indoor Units			Single Phase				3 Phase			
			FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG100F	FCQG125F	FCQG140F	
Capacity	UK Total Cooling	kW	7.28	10.80	13.60	14.90	10.80	13.60	14.90	
	UK Sensible Cooling	kW	4.99	7.44	9.30	10.25	7.44	9.30	10.25	
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	9.50	12.00	13.40	
	Nominal Heating	kW	7.50	10.80	13.50	15.50	10.80	13.50	15.50	
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A	-	A++	A	-	
	Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-	
	SEER		6.10	6.50	5.30	-	6.50	5.30	-	
	Annual Energy Consumption	kWh	390	512	793	-	512	793	-	
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+	-	A+	A+	-	
	Pdesign	kW	6.33	7.60	8.03	-	7.60	8.03	-	
	SCOP		4.10	4.10	4.01	-	4.10	4.01	-	
	Annual Energy Consumption	kWh	2162	2596	2804	-	2596	2804	-	
Nominal Efficiency	EER / COP		3.21 / 3.61	3.3 / 3.54	3.21 / 3.41	3.01 / 3.41	3.3 / 3.54	3.21 / 3.41	3.01 / 3.41	
	Energy Label		A / A	A / B	A / B	B / B	A / B	A / B	B / B	
	Annual Energy Consumption	kWh	1060	1440	1870	2225	1440	1870	2225	
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.250 / 0.202 / 0.152	0.380 / 0.293 / 0.207	0.433 / 0.320 / 0.207	0.267 / 0.320 / 0.207	0.380 / 0.293 / 0.207	0.433 / 0.320 / 0.207	0.267 / 0.320 / 0.207	
Dimensions (with Decoration Panel)	Height	mm	204 (264)	246 (306)	246 (306)	246 (306)	246 (306)	246 (306)	246 (306)	
	Width	mm	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	
	Depth	mm	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	
	Weight (with Decoration Panel)	kg	21 (26.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)	
Sound Pressure (Cooling)	High / Nom / Low	dBA	33 / 31 / 28	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29	
Sound Power		dBA	51	54	58	58	54	58	58	
Outdoor Units			RZQSG71L3V1	RZQSG100L9V1	RZQSG125L9V1	RZQSG140L9V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140L1Y1	
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320		1430 x 940 x 320	990 x 940 x 320		1430 x 940 x 320	
Weight		kg	72	75	95	82	101			
Electrical Details	Power Supply		1ph			3ph				
	Running Current	A	8.66	11.77	15.29	18.19	4.40	5.72	6.80	
	Starting Current	A	4	4	4	4	4	4	4	
	Max Fuse Size	A	20	32	32	32	20	20	20	
Interconnection Wiring	Core / Cable size		3+E / 1.5			3+E / 1.5				
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)				
Pipework	Maximum Length	m	50	50	50	50	50	50		
	Maximum Vertical Rise	m	15	30	30	30	30	30		
	Precharged to	m	30	30	30	30	30	30		
	Additional Charge	g/m	Refer to Installation Manual			Refer to Installation Manual				
	Holding Charge	kg	2.75	2.9	2.9	4.0	2.9	2.9	4.0	
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 49	53 / 49	54 / 49	53 / 49	53 / 49	54 / 49	53 / 49	
Sound Power		dBA	65	70	70	69	70	70	69	
Air Flow Rate (Cooling)	High	m³/sec	0.866	1.266	1.283	1.383	1.266	1.283	1.383	
ECA Eligible			●	●		●				
Trade Fan Coil Price			£787.00	£890.00	£972.00	£1,168.00	£890.00	£972.00	£1,168.00	
Trade Condensing Unit Price			£820.00	£1,135.00	£1,245.00	£1,386.00	£1,170.00	£1,282.00	£1,428.00	
Total System Price			£1,607.00	£2,025.00	£2,217.00	£2,554.00	£2,060.00	£2,254.00	£2,596.00	

## One cassette, 3 options:

Daikin's Roundflow Cassette range has a solution for all your needs:

- > Price
- > Performance
- > Highest Efficiency

FCQG-F Series cassette  
BYFQ140D Roundflow decoration panel  
BRC1E52 remote control



### Seasonal Inverter

- > Pair applications
- > 30m pipe run
- > -5 / -15°C operating range in cooling / heating
- > A/A Energy Labels
- > R22 replacement technology

### Seasonal Classic

- > Pair, twin, triple, double twin applications
- > 50m pipe run
- > -15 / -15°C operating range in cooling / heating
- > A+/A+ Energy Labels
- > R22 replacement technology

### Seasonal Smart

- > Pair, twin, triple, double twin applications
- > 75m pipe run
- > -15 / -20°C operating range in cooling / heating
- > Up to A++/A+ Energy Labels
- > All capacities ECA Eligible
- > R22 replacement technology



FCQG-F / AZQS-B

# Compact Roundflow Cassette – Seasonal Inverter

Indoor Units			Single Phase				3 Phase		
			FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG100F	FCQG125F	FCQG140F
Capacity	UK Total Cooling	kW	7.28	10.80	13.60	14.90	10.80	13.60	14.90
	UK Sensible Cooling	kW	4.99	7.44	9.30	10.25	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.10	13.40	9.50	12.10	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A	-	-	A	-	-
	Pdesign	kW	6.80	9.50	-	-	9.50	-	-
	SEER		5.70	5.50	-	-	5.50	-	-
	Annual Energy Consumption	kWh	418	605	-	-	605	-	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A	A	-	-	A	-	-
	Pdesign	kW	6.33	7.60	-	-	7.60	-	-
	SCOP		4.00	3.85	-	-	3.85	-	-
	Annual Energy Consumption	kWh	2116	2764	-	-	2764	-	-
Nominal Efficiency	EER / COP		B / A	A / B	B / B	C / B	A / B	B / B	C / B
	Energy Label		3.11 / 3.61	3.21 / 3.50	3.10 / 3.41	2.81 / 3.30	3.21 / 3.50	3.10 / 3.41	2.81 / 3.30
	Annual Energy Consumption	kWh	1093	1480	1952	2313	1480	1952	2313
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.250 / 0.202 / 0.152	0.380 / 0.293 / 0.207	0.433 / 0.320 / 0.207	0.267 / 0.320 / 0.207	0.380 / 0.293 / 0.207	0.433 / 0.320 / 0.207	0.267 / 0.320 / 0.207
Dimensions (with Decoration Panel)	Height	mm	204 (264)	246 (306)	246 (306)	246 (306)	246 (306)	246 (306)	246 (306)
	Width	mm	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
	Depth	mm	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
Weight (with Decoration Panel)		kg	21 (26.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)
Sound Pressure (Cooling)	High / Nom / Low	dBA	33 / 31 / 28	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29
Sound Power		dBA	51	54	58	58	54	58	58

Outdoor Units			AZQS71BV1	AZQS100B8V1	AZQS125B8V1	AZQS140B8V1	AZQS100BY1	AZQS125BY1	AZQS140BY1
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320		1430 x 940 x 320	990 x 940 x 320		1430 x 940 x 320
Weight		kg	72	75	95		82		101
Electrical Details	Power Supply		1ph				3ph		
	Running Current	A	8.66	11.77	15.29	18.19	4.40	5.72	6.80
	Starting Current	A	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5		
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)		
Pipework	Maximum Length	m	30	30	30	30	30	30	30
	Maximum Vertical Rise	m	15	15	15	15	15	15	15
	Precharged to	m	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual		
	Holding Charge	kg	2.75	2.9	2.9	4.0	2.9	2.9	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 43	53 / 49	54 / 49	53 / 49	53 / 49	54 / 49	53 / 49
Sound Power		dBA	65	70	70	69	70	70	69
Air Flow Rate (Cooling)	Nominal	m <sup>3</sup> /sec	0.866	1.266	1.283	1.383	1.266	1.283	1.383
<b>Trade Fan Coil Price</b>			<b>£787.00</b>	<b>£890.00</b>	<b>£972.00</b>	<b>£1,168.00</b>	<b>£890.00</b>	<b>£972.00</b>	<b>£1,168.00</b>
<b>Trade Condensing Unit Price</b>			<b>£714.00</b>	<b>£878.00</b>	<b>£986.00</b>	<b>£1,104.00</b>	<b>£926.00</b>	<b>£1,038.00</b>	<b>£1,164.00</b>
<b>Total System Price</b>			<b>£1,501.00</b>	<b>£1,768.00</b>	<b>£1,958.00</b>	<b>£2,272.00</b>	<b>£1,816.00</b>	<b>£2,010.00</b>	<b>£2,332.00</b>

## One cassette, 3 options:

Daikin's Roundflow Cassette range has a solution for all your needs:

- > Price
- > Performance
- > Highest Efficiency

FCQG-F Series cassette  
BYFQ140D Roundflow decoration panel  
BRC1E52 remote control



<ul style="list-style-type: none"> <li>&gt; Pair applications</li> <li>&gt; 30m pipe run</li> <li>&gt; -5 / -15°C operating range in cooling / heating</li> <li>&gt; A/A Energy Labels</li> <li>&gt; R22 replacement technology</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Pair, twin, triple, double twin applications</li> <li>&gt; 50m pipe run</li> <li>&gt; -15 / -15°C operating range in cooling / heating</li> <li>&gt; A+/A+ Energy Labels</li> <li>&gt; R22 replacement technology</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Pair, twin, triple, double twin applications</li> <li>&gt; 75m pipe run</li> <li>&gt; -15 / -20°C operating range in cooling / heating</li> <li>&gt; Up to A++/A+ Energy Labels</li> <li>&gt; All capacities ECA Eligible</li> <li>&gt; R22 replacement technology</li> </ul>
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# Compact Roundflow Cassette



Indoor Units			FCQG35F	FCQG50F	FCQG60F
Capacity	UK Total Cooling	kW	3.32	4.89	5.57
	UK Sensible Cooling	kW	2.29	3.26	3.67
	Nominal Cooling	kW	3.40	5.00	5.70
	Nominal Heating	kW	4.20	6.00	7.00
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++
	Pdesign	kW	3.50	5.00	5.70
	SEER		6.35	6.48	6.22
	Annual Energy Consumption	kWh	193	270	321
Seasonal Efficiency (EN14825) HEATING	Energy Label		A++	A++	A+
	Pdesign	kW	3.32	4.36	4.71
	SCOP		4.90	4.29	4.00
	Annual Energy Consumption	kWh	949	1426	1646
Nominal Efficiency	EER / COP		3.74 / 3.5	3.55 / 3.7	3.48 / 3.52
	Energy Label		A / B	A / A	A / B
	Annual Energy Consumption	kWh	455	705	820
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.208 / 0.177 / 0.145	0.210 / 0.178 / 0.145	0.227 / 0.187 / 0.145
Dimensions (with Decoration Panel)	Height	mm	204 (264)	204 (264)	204 (264)
	Width	mm	840 (950)	840 (950)	840 (950)
	Depth	mm	840 (950)	840 (950)	840 (950)
Weight (with Decoration Panel)		kg	18 (23.4)	19 (24.4)	19 (24.4)
Sound Pressure (Cooling)	High / Nom / Low	dBA	31 / 29 / 27	31 / 29 / 27	33 / 31 / 28
Sound Power		dBA	49	49	51

Outdoor Units			RXS35L3	RXS50L	RXS60L
Dimensions	Height x Width x Depth	mm	550 x 765 x 285	735 x 825 x 300	735 x 825 x 300
Weight		kg	34	47	48
Electrical Details	Power Supply			1ph	
	Running Current	A	4.00	6.30	7.40
	Starting Current	A	4.30	6.80	10.2
	Max Fuse Size	A	10	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5	3+E / 1.5	3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)	1/4 (6.4) / 1/2 (12.7)	1/4 (6.4) / 1/2 (12.7)
Pipework	Maximum Length	m	20	30	30
	Maximum Vertical Rise	m	15	20	20
	Precharged to	m	10	10	10
	Additional Charge	g/m	20	20	20
	Holding Charge	kg	1.2	1.7	1.5
Sound Pressure (Cooling)	High / Silent Operation	dBA	48 / 44	48 / 44	49 / 46
Sound Power		dBA	61	62	62
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.600	0.848	0.836
ECA Eligible			●	●	
<b>Trade Fan Coil Price</b>			<b>£683.00</b>	<b>£699.00</b>	<b>£743.00</b>
<b>Trade Condensing Unit Price</b>			<b>£552.00</b>	<b>£694.00</b>	<b>£740.00</b>
<b>Total System Price</b>			<b>£1,235.00</b>	<b>£1,393.00</b>	<b>£1,483.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC7FA532F	Wireless remote controller	£152.00
BYCQ140DG	Roundflow cassette decoration panel with self cleaning filter	£310.00
BYCQ140DW	Roundflow cassette decoration panel - white with white louvers	£160.00
BRYQ140A	Integral PIR Sensor for Roundflow decoration panel. Enables Energy Saving functions	£99.00
KDBHQ55B140	Sealing member for air discharge outlet	£90.00
KDDQ55B140 1&2	Fresh air intake kit for up to 20% fresh air - 2 part kit	£233.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus Interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Features:

- > FCQG is a compact cassette designed to suit installation in narrower ceiling voids
- > The unique 360° radial air pattern ensures uniform air flow and temperature distribution
- > Air flow flexibility: a wide selection of 23 different air flow patterns accessible via remote controller
- > Optional Presence Sensors detects if room is unoccupied and allows temperature to drift to set-back levels
- > Optional Self Cleaning Filter: The BYCQ140DG decoration panel can offer energy savings, reduced maintenance time and cost
- > Suitable for Twin, Triple and Double Twin applications
- > Re-use of existing R22 and R407C piping possible
- > DIII net compatibility as standard

## Notes:

- All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- BRC7FA532F Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with BYCQ140D Decoration panel
- BYCQ140DW / BYCQ140DG Trade prices will be reduced by £142.00 if ordered in place of standard decoration panel
- Minimum ambient operating temperatures:

	Cooling	Heating
<b>RXS</b>	-10°C	-15°C





FUQ-C / RZQG-L



## Under Ceiling Cassette – Seasonal Smart

Indoor Units			Single Phase			3 Phase		
			FUQ71C	FUQ100C	FUQ125C	FUQ71C	FUQ100C	FUQ125C
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	7.76	10.80	13.60
	UK Sensible Cooling	kW	5.32	7.44	9.30	5.32	7.44	9.30
	Nominal Cooling	kW	6.80	9.50	12.00	6.80	9.50	12.00
	Nominal Heating	kW	7.50	10.80	13.50	7.50	10.80	13.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A+	A++	A++	A+
	Pdesign	kW	6.80	9.50	12.00	6.80	9.50	12.00
	SEER		6.50	6.11	5.61	6.50	6.11	5.61
	Annual Energy Consumption	kWh	367	545	749	367	545	749
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+	A+	A+	A+
	Pdesign	kW	7.60	11.30	14.13	7.60	11.30	14.13
	SCOP		4.20	4.50	4.44	4.20	4.50	4.44
	Annual Energy Consumption	kWh	2534	3516	4456	2534	3516	4456
Nominal Efficiency	EER / COP		4.05 / 4.08	3.86 / 3.95	3.39 / 3.42	4.05 / 4.08	3.86 / 3.95	3.39 / 3.42
	Energy Label		A / A	A / A	A / A	A / A	A / A	A / A
Air Flow Rate (Cooling)	Annual Energy Consumption	kWh	840	1230	1770	840	1230	1770
	High / Nom / Low	m <sup>3</sup> /sec	0.383 / 0.325 / 1.933	0.517 / 0.425 / 0.333	0.542 / 0.442 / 0.342	0.383 / 0.325 / 1.933	0.517 / 0.425 / 0.333	0.542 / 0.442 / 0.342
Dimensions	Height	mm	198	198	198	198	198	198
	Width	mm	950	950	950	950	950	950
	Depth	mm	950	950	950	950	950	950
Weight		kg	25	26	26	25	26	26
Sound Pressure (Cooling)	High / Nom / Low	dBA	41 / 38 / 35	46 / 42 / 39	47 / 43 / 40	41 / 38 / 35	46 / 42 / 39	47 / 43 / 40
Sound Power		dBA	59	64	65	59	64	65

Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320	1430 x 940 x 320		990 x 940 x 320	1430 x 940 x 320	
Weight		kg	69	95		80	101	
Electrical Details	Power Supply		1ph			3ph		
	Running Current	A	6.83	9.52	14.06	2.57	3.58	5.29
	Starting Current	A	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	16	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5			3+E / 1.5		
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)		
Pipework	Maximum Length	m	50	75	75	50	75	75
	Maximum Vertical Rise	m	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual			Refer to Installation Manual		
	Holding Charge	kg	2.9	4.0	4.0	2.9	4.0	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43	50 / 45	51 / 45	48 / 43	50 / 45	51 / 45
Sound Power		dBA	64	66	67	64	66	67
Air Flow Rate (Cooling)	Nom	m <sup>3</sup> /sec	0.983	1.166	1.166	0.983	1.166	1.166
ECA Eligible			●	●		●	●	
<b>Trade Fan Coil Price</b>			<b>£857.00</b>	<b>£940.00</b>	<b>£1,037.00</b>	<b>£857.00</b>	<b>£940.00</b>	<b>£1,037.00</b>
<b>Trade Condensing Unit Price</b>			<b>£1,191.00</b>	<b>£1,514.00</b>	<b>£1,666.00</b>	<b>£1,227.00</b>	<b>£1,584.00</b>	<b>£1,743.00</b>
<b>Total System Price</b>			<b>£2,048.00</b>	<b>£2,454.00</b>	<b>£2,703.00</b>	<b>£2,084.00</b>	<b>£2,524.00</b>	<b>£2,780.00</b>

### Accessories:

Accessory Ref	Description	Trade Price
BRC7C58	Wireless remote controller	£152.00
EKROR05	Remote on/off control interface kit	£29.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£46.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGM	Condensing Unit Guard size 42-71	£296.00
K.CGL	Condensing Unit Guard size 100-140 including RXY5Q	£354.00

### Features:

- > The 4-way blow under ceiling cassettes are the ideal solution for rooms, shops or offices without false ceilings
- > Seasonally Efficient Inverter Technology gives up to 25% better efficiency than inverter technology
- > Air flow flexibility: air can be discharged in any of 4 directions. Possibility to shut off 1 or 2 flaps enabling the unit to be installed in a corner or small room
- > 3 step fan-speed
- > Suitable for Twin, Triple and Double Twin applications
- > Re-use of existing R22 and R407C piping possible
- > Comms, computer and server room cooling possible with EDP setting
- > Selectable evaporating & condensing temperature for greater operating efficiency

### Notes:

- All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- BRC7C58 Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
- All fan coil units standard with auto restart after power failure
- Minimum ambient operating temperatures:

	Cooling	Heating
RZQG	-15°C	-20°C





**NEW**  
**FOR 2016**

FUQ-C / RZQSG-L

# Under Ceiling Cassette – Seasonal Classic

Indoor Units			Single Phase			3 Phase	
			FUQ71C	FUQ100C	FUQ125C	FUQ100C	FUQ125C
Capacity	UK Total Cooling	kW	7.28	10.80	13.60	10.80	13.60
	UK Sensible Cooling	kW	4.99	7.44	9.30	7.44	9.30
	Nominal Cooling	kW	6.80	9.50	12.00	9.50	12.00
	Nominal Heating	kW	7.50	10.80	13.50	10.80	13.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	A	A+	A
	Pdesign	kW	6.80	9.50	12.0	9.50	12.0
	SEER		5.81	5.61	5.30	5.61	5.30
	Annual Energy Consumption	kWh	410	593	793	593	793
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A	A+	A
	Pdesign	kW	6.33	7.60	7.60	7.60	7.60
	SCOP		3.90	4.01	3.85	4.01	3.85
	Annual Energy Consumption	kWh	2273	2653	2763	2653	2763
Nominal Efficiency	EER / COP		3.21 / 3.61	3.21 / 3.61	2.65 / 3.41	3.21 / 3.61	2.65 / 3.41
	Energy Label		A/A	A/A	D/B	A/A	D/B
	Annual Energy Consumption	kWh	TBC	TBC	TBC	TBC	TBC
Air Flow Rate	High / Low	m <sup>3</sup> /min	0.383 / 0.325 / 0.193	0.517 / 0.425 / 0.333	0.542 / 0.442 / 0.342	0.517 / 0.425 / 0.333	0.542 / 0.442 / 0.342
Dimensions	Height	mm				198	
	Width	mm				950	
	Depth	mm				950	
Weight		kg	25	26		26	
Sound Pressure	High / Low	dBA	41 / 38 / 35	46 / 42 / 39	47 / 43 / 40	46 / 42 / 39	47 / 43 / 40
Sound Power		dBA	59	64	65	64	65

Outdoor Units			RZQSG71L3V1	RZQSG100L9V1	RZQSG125L9V1	RZQSG100L8Y1	RZQSG125L8Y1
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320		990 x 940 x 320	
Weight		kg	67	72	74	82	
Electrical Details	Power Supply		1ph			3ph	
	Running Current	A	TBC	TBC	TBC	TBC	TBC
	Starting Current	A	4	4	4	4	4
	Max Fuse Size	A	20	32	32	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5			3+E / 1.5	
Piping Connections	Liquid / Gas	inches	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)	
Pipework	Maximum Length	m	50	50	50	50	50
	Maximum Vertical Rise	m	15	30	30	30	30
	Precharged to	m	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual			Refer to Installation Manual	
	Holding Charge	kg	2.75	2.9	2.9	2.9	2.9
Sound Pressure	Nom / Night Quiet	dBA	49 / 49	53 / 49	54 / 49	53 / 49	54 / 49
Sound Power		dBA	65	70	70	70	70
Air Flow Rate (Cooling)	High	m <sup>3</sup> /Sec	0.866	1.266	1.283	1.266	1.283

<b>Trade Fan Coil Price</b>	<b>£857.00</b>	<b>£940.00</b>	<b>£1,037.00</b>	<b>£940.00</b>	<b>£1,037.00</b>
<b>Trade Condensing Unit Price</b>	<b>£820.00</b>	<b>£1,135.00</b>	<b>£1,345.00</b>	<b>£1,170.00</b>	<b>£1,282.00</b>
<b>Total System Price</b>	<b>£1,677.00</b>	<b>£2,075.00</b>	<b>£2,382.00</b>	<b>£2,110.00</b>	<b>£2,319.00</b>



### Notes:

i) Minimum ambient operating temperatures:

	Cooling	Heating
RZQSG	-15°C	-15°C



**R-410A**

FFQ-C / RXS-L

# 600x600 Fully Flat Cassette



White



Silver

Indoor Units			FFQ25C	FFQ35C	FFQ50C	FFQ60C
Capacity	UK Total Cooling	kW	2.44	3.32	4.62	5.72
	UK Sensible Cooling	kW	1.81	2.28	3.40	4.20
	Nominal Cooling	kW	2.50	3.40	4.70	5.80
	Nominal Heating	kW	3.20	4.00	5.50	7.00
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A+	A+
	Pdesign	kW	2.50	3.40	5.00	5.70
	SEER		6.11	6.32	5.93	5.71
	Annual Energy Consumption	kWh	143	188	295	349
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A	A+
	Pdesign	kW	2.31	3.10	3.84	3.96
	SCOP		4.24	4.10	3.90	4.04
	Annual Energy Consumption	kWh	763	1059	1378	1373
Nominal Efficiency	EER / COP		4.53 / 3.9	3.78 / 3.5	3.21 / 3.49	3.02 / 3.41
	Energy Label		A / A	A / B	A / B	B / B
	Annual Energy Consumption	kWh	276	460	780	945
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.150 / 0.133 / 0.108	0.167 / 0.142 / 0.108	0.200 / 0.167 / 0.125	0.242 / 0.208 / 0.158
Dimensions (with Decoration Panel)	Height	mm	260 (306)	260 (306)	260 (306)	260 (306)
	Width	mm	575 (620)	575 (620)	575 (620)	575 (620)
	Depth	mm	575 (620)	575 (620)	575 (620)	575 (620)
Weight (with Decoration Panel)		kg	16 (18.8)	16 (18.8)	17.5 (20.2)	17.5 (20.2)
Sound Pressure (Cooling)	High / Nom / Low	dBA	31 / 28.5 / 25	34 / 30.5 / 25	39 / 34 / 27	43 / 40 / 32
Sound Power		dBA	48	51	56	60
Outdoor Units			RXS25L3	RXS35L3	RXS50L	RXS60L
Dimensions	Height x Width x Depth	mm	550 x 765 x 285	550 x 765 x 285	735 x 825 x 300	735 x 825 x 300
Weight		kg	34	34	47	48
Electrical Details	Power Supply				1ph	
	Running Current	A	4.00	4.00	6.90	8.30
	Starting Current	A	3.3	4.3	6.8	10.2
	Max Fuse Size	A	10	10	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5		3+E / 1.5	
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)		1/4 (6.4) / 1/2 (12.7)	
Pipework	Maximum Length	m	20	20	30	30
	Maximum Vertical Rise	m	15	15	20	20
	Precharged to	m	10	10	10	10
	Additional Charge	g/m			20	
	Holding Charge	kg	1.0	1.2	1.7	1.5
Sound Pressure (Cooling)	High / Silent Operation	dBA	46 / 43	48 / 44	48 / 44	49 / 46
Sound Power		dBA	61	61	62	62
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.588	0.600	0.848	0.836
ECA Eligible			●	●		
<b>Trade Fan Coil Price</b>			<b>£636.00</b>	<b>£696.00</b>	<b>£766.00</b>	<b>£809.00</b>
<b>Trade Condensing Unit Price</b>			<b>£476.00</b>	<b>£552.00</b>	<b>£694.00</b>	<b>£740.00</b>
<b>Total System Price</b>			<b>£1,112.00</b>	<b>£1,248.00</b>	<b>£1,460.00</b>	<b>£1,549.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BYFQ60CW	Fully Flat Cassette Decoration Panel - White	£198.00
BYFQ60CS	Fully Flat Cassette Decoration Panel - Silver	£198.00
BYFQ60B3	Fully Flat Cassette Decoration Panel - Old Style (FFQ-B9V looks)	£198.00
BRYQ60AW	Integral PIR Sensor for Fully Flat cassette White decoration panel. Enables Energy Saving functions	£99.00
BRYQ60AS	Integral PIR Sensor for Fully Flat Cassette Silver decoration panel. Enables Energy Saving functions	£99.00
BRC7F530W	Wireless remote controller for White Ceiling Decoration Panel	£152.00
BRC7F530S	Wireless remote controller for Silver Ceiling Decoration Panel	£152.00
BRC7EB530W	Wireless remote for Fully Flat Cassette Old Style Decoration Panel	£152.00
BDBHQ44C60	Sealing member for decoration panel-FFQ, FXZQ	£91.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
KRP1B57/UK.FB2	Adaptor PCB for Interlock to fresh air fan	£100.00
RTD-NET/UK.FB2	Modbus interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Features:

- > Installed into suspended ceiling grids without cutting surrounding tiles
- > Home Leave setting maintains pre-set temperature during periods of extended absence
- > Dry programme: Daikin's special dry programme reduces humidity in the rooms without variations in internal temperature
- > Vertical auto-swing function: flaps automatically swing up and down to ensure efficient air and temperature distribution which also prevents ceiling soiling
- > 3 fan speeds can be selected: high, medium and low
- > Suitable for Twin, Triple and Double Twin applications. Also suitable for multi model applications
- > Re-use of existing R22 and R407C piping possible

## Notes:

- All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- Infrared remote Trade price will be reduced by £76.00 if ordered instead of BRC1E52A
- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with BYFQ60CW White fully flat decoration panel
- Minimum ambient operating temperatures:

	Cooling	Heating
RXS	-10°C	-15°C





## FBQ-D &amp; FDXS-F / RXS-L

# Built in DC Ducted & Slim Concealed Ceiling Unit

Indoor Units			DC Ducted			Slim Ducted			
			FBQ35D	FBQ50D	FBQ60D	FDXS25F	FDXS35F	FDXS50F9	FDXS60F
Capacity	UK Total Cooling	kW	3.32	4.89	5.57	2.35	3.32	4.81	5.86
	UK Sensible Cooling	kW	2.93	3.55	4.09	1.81	2.26	3.08	3.97
	Nominal Cooling	kW	3.40	5.00	5.70	2.40	3.40	5.00	6.00
	Nominal Heating	kW	4.00	5.50	7.00	3.20	4.00	5.80	7.00
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A+	A+	A	A+	A
	Pdesign	kW	3.40	5.00	5.70	2.40	3.40	5.00	6.00
	SEER		6.17	6.21	5.86	5.63	5.21	5.72	5.51
	Annual Energy Consumption	kWh	193	282	340	149	228	306	381
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+	A+	A	A	A
	Pdesign	kW	2.90	4.40	4.60	2.60	2.90	4.00	4.60
	SCOP		4.07	4.06	4.01	4.24	3.88	3.93	3.80
	Annual Energy Consumption	kWh	998	1517	1606	858	1047	1425	1693
Nominal Efficiency	EER / COP		3.99 / 4.02	3.52 / 3.83	3.45 / 3.71	3.74 / 4.00	2.96 / 3.48	3.03 / 3.1	2.91 / 3.21
	Energy Label		A / A	B / A	B / A	A / A	A / B	B / D	C / C
	Annual Energy Consumption	kWh	426	710	826	325	574	825	1030
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.250 / 0.208 / 0.175	0.250 / 0.208 / 0.175	0.300 / 0.250 / 0.208	0.145 / 0.145 / 0.122	0.145 / 0.145 / 0.122	0.200 / 0.200 / 0.167	0.267 / 0.000 / 0.225
	External Static Pressure	High / Nom	Pa	150 / 30			30.0	30.0	40.0
Dimensions	Height	mm	245			200		1150	
	Width	mm	700	1000		750		620	
	Depth	mm	800			620		30	
Weight		kg	28		35	21		30	
Sound Pressure (Cooling)	High / Nom / Low	dBA	35 / 32 / 29	35 / 32 / 29	30 / 28 / 25	35 / 33 / 27	35 / 33 / 27	38 / 36 / 30	38 / 36 / 30
	Sound Power	dBA	60	60	55	53	53	55	56
Outdoor Units			RXS35L3	RXS50L	RXS60L	RXS25L3	RXS35L3	RXS50L	RXS60L
Dimensions	Height x Width x Depth	mm	550 x 765 x 285	735 x 825 x 300	735 x 825 x 300	550 x 765 x 285	550 x 765 x 285	735 x 825 x 300	735 x 825 x 300
Weight		kg	34	47	48	34	34	47	48
Electrical Details	Power Supply		1 ph (refer to databook)			1 ph			
	Running Current	A	4.6	7.2	9.2	3.90	4.90	7.10	9.20
	Starting Current	A	4.3	6.8	10.2	3.3	4.3	6.8	10.2
	Max Fuse Size	A	10	20	20	10	10	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5	3+E / 1.5		3+E / 1.5		3+E / 1.5	
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)	1/4 (6.4) / 1/2 (12.7)		1/4 (6.4) / 3/8 (9.5)		1/4 (6.4) / 1/2 (12.7)	
Pipework	Maximum Length	m	20	30	30	20	20	30	30
	Maximum Vertical Rise	m	15	20	20	15	15	20	20
	Precharged to	m	10	10	10	10	10	10	10
	Additional Charge	g/m		20		20			
	Holding Charge	kg	1.2	1.7	1.5	1.0	1.2	1.7	1.5
Sound Pressure (Cooling)	High / Silent Operation	dBA	48 / 44	48 / 44	49 / 46	46 / 43	48 / 44	48 / 44	49 / 46
Sound Power		dBA	61	61	62	59	61	61	62
Air Flow Rate (Cooling)	High	m <sup>3</sup> /sec	0.600	0.848	0.836	0.558	0.600	0.484	0.836
<b>Trade Fan Coil Price</b>			<b>£515.00</b>	<b>£541.00</b>	<b>£600.00</b>	<b>£394.00</b>	<b>£441.00</b>	<b>£477.00</b>	<b>£524.00</b>
<b>Trade Condensing Unit Price</b>			<b>£552.00</b>	<b>£694.00</b>	<b>£740.00</b>	<b>£476.00</b>	<b>£552.00</b>	<b>£694.00</b>	<b>£740.00</b>
<b>Total System Price</b>			<b>£1,067.00</b>	<b>£1,235.00</b>	<b>£1,340.00</b>	<b>£870.00</b>	<b>£993.00</b>	<b>£1,171.00</b>	<b>£1,264.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC4C65	Wireless remote controller	£152.00
BRC2E52	Wired Simplified remote controller	£80.00
	Recessed simplified remote (see page 100 for options)	£180.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air & VRV. Duty rotation, Lead Lag control & heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4B	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.RSS	£93.00
UK.SF2	Supply air plenum for FBQ35D / FBQ50D (2 x 200mm spigots)	£72.00
UK.SF3	Supply air plenum for FBQ60D (2 x 200 spigots)	£79.00
UK.SF3A	Supply air plenum for FBQ60D (3 x 200 spigots)	£84.00
UK.SAF5	Supply air plenum for FDXS25/35F (2 x 150mm spigots)	£67.00
UK.SF6	Supply air plenum for FDXS50F9 (3 x 150mm spigots)	£73.00
UK.SAF7	Supply air plenum for FXDS60F (4 x 150mm spigots)	£85.00
UK.RC2	Return air plenum for FBQ35D / FBQ50D (2 x 200mm spigots)	£79.00
UK.RC3	Return air plenum for FBQ60D (2 x 200 spigots)	£86.00
UK.RC3A	Return air plenum for FBQ60D (3 x 200 spigots)	£93.00
UK.RAC5	Return air plenum for FDXS25/35F (2 x 150mm spigots)	£76.00
UK.RC6	Return air plenum for FDXS50F9 (3 x 150mm spigots)	£83.00
UK.RAC7	Return air plenum for FXDS60F (4 x 150mm spigots)	£97.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.CGS	Condensing Unit Guard size 20-35	£214.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

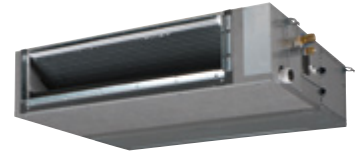
## Features:

- > Fan speed: 5 fan speeds can be selected, high to super low
- > Connection to multi outdoor possible
- > Re-use of existing R22 and R407C piping possible

## Notes:

- FBQ & FDXS fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
  - BRC4C65 Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
  - All fan coil units standard with auto restart after power failure
  - All fan coils supplied as standard with air filter
  - Minimum ambient operating temperatures:
- |     | Cooling | Heating |
|-----|---------|---------|
| RXS | -10°C   | -15°C   |
- The FBQ35D fan coil requires a separate 1ph power supply. Refer to install manual for details

# Built in DC Ducted – Seasonal Smart



Indoor Units			Single Phase				3 Phase			
			FBQ71D	FBQ100D	FBQ125D	FBQ140D	FBQ71D	FBQ100D	FBQ125D	FBQ140D
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A+	A++	-	A++	A+	A++	-
	Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
	SEER		6.16	5.87	6.11	-	6.16	5.87	6.11	-
	Annual Energy Consumption	kWh	386	566	687	-	386	566	687	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A+	-	A+	A++	A+	-
	Pdesign	kW	6.00	11.30	12.70	-	6.00	11.30	12.71	-
	SCOP		4.31	4.78	4.28	-	4.31	4.78	4.28	-
	Annual Energy Consumption	kWh	1949	3310	4154	-	1949	3310	4154	-
Nominal Efficiency	EER / COP		3.60 / 4.01	3.81 / 4.41	3.31 / 3.90	3.35 / 3.60	3.60 / 4.01	3.81 / 4.41	3.31 / 3.90	3.35 / 3.60
	Energy Label		A / A	A / A	A / A	A / B	A / A	A / A	A / A	A / B
	Annual Energy Consumption	kWh	944	1217	1813	2000	944	1217	1813	2000
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.300 / 0.250 / 0.208	0.483 / 0.433 / 0.383	0.567 / 0.483 / 0.392	0.567 / 0.483 / 0.393	0.300 / 0.250 / 0.208	0.483 / 0.433 / 0.383	0.567 / 0.483 / 0.392	0.567 / 0.483 / 0.393
External Static Pressure	High / Nom	Pa	150 / 30	150 / 40	150 / 50		150 / 30	150 / 40	150 / 50	
Dimensions	Height	mm	245				245			
	Width	mm	1000	1400			1000	1400		
	Depth	mm	800				800			
Weight		kg	35	46			35	46		
Sound Pressure (Cooling)	High / Nom / Low	dBA	30 / 28 / 25	34 / 32 / 30	37 / 35 / 32		30 / 28 / 25	34 / 32 / 30	37 / 35 / 32	
	Sound Power	dBA	56	58	62	62	56	58	62	62
Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140L8Y1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320		1430 x 940 x 320		990 x 940 x 320		1430 x 940 x 320	
Weight		kg	69	95	95	95	80	101		
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	7.93	9.97	12.87	16.43	2.98	3.75	4.84	6.18
	Starting Current	A	4	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	16	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50	75	75	75	50	75	75	75
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding Charge	kg	2.9	4.0	4.0	4.0	2.9	4.0	4.0	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43	50 / 45	51 / 45	52 / 45	48 / 43	50 / 45	51 / 45	52 / 45
Sound Power		dBA	64	66	67	69	64	66	67	69
Air Flow Rate (Cooling)	High	m³/sec	0.983	1.166	1.166	1.400	0.983	1.166	1.166	1.400
ECA Eligible			●		●		●		●	
<b>Trade Fan Coil Price</b>			<b>£860.00</b>	<b>£899.00</b>	<b>£1,063.00</b>	<b>£1,232.00</b>	<b>£860.00</b>	<b>£899.00</b>	<b>£1,063.00</b>	<b>£1,232.00</b>
<b>Trade Condensing Unit Price</b>			<b>£1,191.00</b>	<b>£1,514.00</b>	<b>£1,666.00</b>	<b>£1,901.00</b>	<b>£1,227.00</b>	<b>£1,584.00</b>	<b>£1,743.00</b>	<b>£2,002.00</b>
<b>Total System Price</b>			<b>£2,051.00</b>	<b>£2,413.00</b>	<b>£2,729.00</b>	<b>£3,133.00</b>	<b>£2,087.00</b>	<b>£2,483.00</b>	<b>£2,806.00</b>	<b>£3,234.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC4C65	Wireless remote controller	£152.00
BRC2E52	Wired Simplified remote controller (without auto swing)	£80.00
	Recessed simplified remote (see page 100 for options)	£180.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus Interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock.	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV.	£251.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.R55	Wireless room mounted temperature sensor and receiver	£89.00
RS-SE	Service and Configuration Tool for K.R55	£93.00
UK.SF3	Supply air plenum for FBQ71D (2 x 200 spigots)	£79.00
UK.SF3A	Supply air plenum for FBQ71D (3 x 200 spigots)	£84.00
UK.SF4	Supply air plenum for FBQ100 - 140D (4 x 200mm spigots)	£104.00
UK.RC3	Return air plenum for FBQ71D (2 x 200 spigots)	£86.00
UK.RC3A	Return air plenum for FBQ71D (3 x 200 spigots)	£93.00
UK.RC4	Return air plenum for FBQ100 - 140D (4 x 200mm spigots)	£116.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£46.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGM	Condensing Unit Guard size 42-71	£296.00
K.CGL	Condensing Unit Guard size 100-140 including RXYSQ	£354.00

## Features:

- > New chassis with height of 245mm makes the FBQ-D one of the slimmest medium static ducted units on the market
- > Increased external static pressure up to 150 Pa
- > Flexibility to set the required fan curve manually or to automatically select the correct fan curve, assuring comfort at all times
- > Top efficiency, highest Energy label ranking in the market

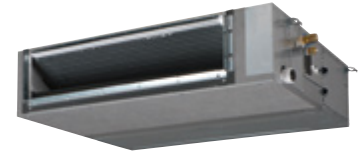
## Notes:

- All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- BRC4C65 Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with air filter
- Minimum ambient operating temperatures:

	Cooling	Heating
RZQG	-15°C	-20°C
RZQSG	-15°C	-15°C



# Built in DC Ducted – Seasonal Classic



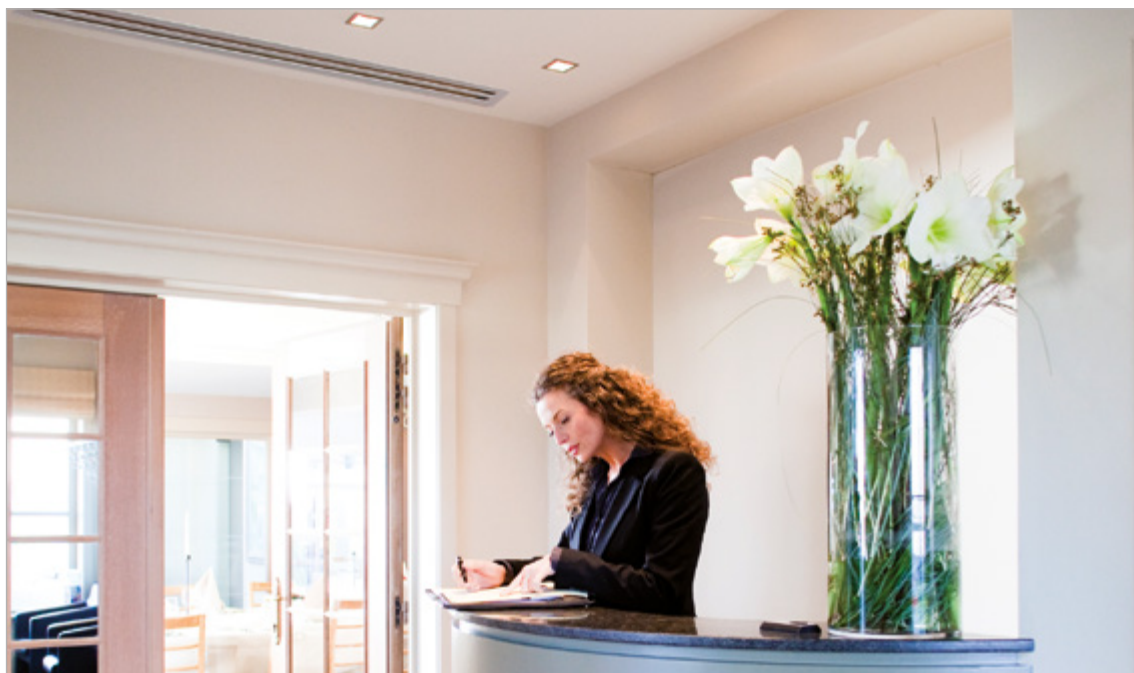
Indoor Units			Single Phase				3 Phase		
			FBQ71D	FBQ100D	FBQ125D	FBQ140D	FBQ100D	FBQ125D	FBQ140D
Capacity	UK Total Cooling	kW	7.28	10.80	13.60	14.90	10.80	13.60	14.90
	UK Sensible Cooling	kW	4.99	7.44	9.30	10.25	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	A	-	A+	A	-
	Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-
	SEER		5.84	5.61	5.47	-	5.61	5.47	-
	Annual Energy Consumption	kWh	408	593	768	-	593.00	768.00	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+	-	A+	A+	-
	Pdesign	kW	6.00	7.60	7.60	-	7.60	7.60	-
	SCOP		4.01	4.15	4.01	-	4.15	4.01	-
	Annual Energy Consumption	kWh	2095	2564	2653	-	2564	2653	-
Nominal Efficiency	EER / COP		3.43 / 3.92	3.35 / 3.67	3.23 / 3.63	3.06 / 3.40	3.35 / 3.67	3.23 / 3.63	3.06 / 3.40
	Energy Label		A / A	A / A	A / A	B / B	A / A	A / A	B / B
	Annual Energy Consumption	kWh	991	1418	1858	2190	1418	1858	2190
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.300 / 0.250 / 0.208	0.483 / 0.433 / 0.383	0.567 / 0.483 / 0.392	0.567 / 0.483 / 0.393	0.483 / 0.433 / 0.383	0.567 / 0.483 / 0.392	0.567 / 0.483 / 0.393
External Static Pressure Dimensions	High / Nom	Pa	150 / 30	150 / 40	150 / 50		150 / 40	150 / 50	
	Height	mm	245			245			
	Width	mm	1000	1400			1400		
	Depth	mm	800			800			
Weight		kg	35	46		46			
Sound Pressure (Cooling)	High / Nom / Low	dBA	30 / 28 / 25	34 / 32 / 30	37 / 35 / 32		34 / 32 / 30	37 / 35 / 32	
Sound Power		dBA	56	58	62	62	58	62	

Outdoor Units			RZQSG71L3V1	RZQSG100L9V1	RZQSG125L9V1	RZQSG140L9V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320		1430 x 940 x 320	990 x 940 x 320		1430 x 940 x 320
Weight		kg	72	75	95	82		101	
Electrical Details	Power Supply		1ph				3ph		
	Running Current	A	8.46	11.73	15.29	18.15	4.39	5.72	6.79
	Starting Current	A	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5		
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)		
Pipework	Maximum Length	m	50	50	50	50	50	50	50
	Maximum Vertical Rise	m	15	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual		
	Holding Charge	kg	2.75	2.9	2.9	4.0	2.9	2.9	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 49	53 / 49	54 / 49	53 / 49	53 / 49	54 / 49	53 / 49
Sound Power		dBA	65	70	70	69	70	70	69
Air Flow Rate (Cooling)	High	m³/sec	0.866	1.266	1.283	1.383	1.266	1.283	1.383

<b>Trade Fan Coil Price</b>	<b>£860.00</b>	<b>£899.00</b>	<b>£1,063.00</b>	<b>£1,232.00</b>	<b>£899.00</b>	<b>£1,063.00</b>	<b>£1,232.00</b>
<b>Trade Condensing Unit Price</b>	<b>£820.00</b>	<b>£1,135.00</b>	<b>£1,245.00</b>	<b>£1,386.00</b>	<b>£1,170.00</b>	<b>£1,282.00</b>	<b>£1,428.00</b>
<b>Total System Price</b>	<b>£1,680.00</b>	<b>£2,034.00</b>	<b>£2,308.00</b>	<b>£2,618.00</b>	<b>£2,069.00</b>	<b>£2,345.00</b>	<b>£2,660.00</b>



FDQ-C / RZQG / RZQSG / RZQ-C

# Concealed Ceiling Unit - Ultra High Static – Seasonal Smart, Classic & Super Inverter



Indoor Units			Single Phase	3 Phase	Single Phase	3 Phase	Super Inverter (3 phase)	
			FDQ125C	FDQ125C	FDQ125C	FDQ125C	FDQ200B	FDQ250B
Capacity	UK Total Cooling	kW	13.60	13.60	13.60	13.60	19.40	23.50
	UK Sensible Cooling	kW	9.30	9.30	9.30	9.30	16.30	20.70
	Nominal Cooling	kW	12.00	12.00	12.00	12.00	20.00	25.00
	Nominal Heating	kW	13.50	13.50	13.50	13.50	23.00	27.00
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	A	A	-	-
	Pdesign	kW	12.00	12.00	12.00	12.00	-	-
	SEER		5.81	5.81	5.20	5.20	-	-
	Annual Energy Consumption	kWh	723	723	807	807	-	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A	A	-	-
	Pdesign	kW	12.71	12.71	7.60	7.60	-	-
	SCOP		4.21	4.21	3.90	3.90	-	-
	Annual Energy Consumption	kWh	4227	4227	2729	2729	-	-
Nominal Efficiency	EER / COP		3.75 / 3.83	3.75 / 3.83	3.21 / 3.51	3.21 / 3.51	3.21 / 3.41	2.81 / 3.21
	Energy Label		A / A	A / A	A / B	A / B	A / B	C / C
	Annual Energy Consumption	kWh	1600	1600	1870	1600	3115	4290
Air Flow Rate	High / Nom	m³/sec	0.650 / 0.467	0.650 / 0.467	0.650 / 0.467	0.650 / 0.467	1.150 / 1.150	1.483 / 1.483
External Static Pressure	High / Nominal	Pa	200 / 50	200 / 50	200 / 50	200 / 50	250 / 250	250 / 250
Dimensions	Height	mm	300	300	300	300	450	450
	Width	mm	1400	1400	1400	1400	1400	1400
	Depth	mm	700	700	700	700	900	900
Weight		kg	45	45	45	45	89	94
Sound Pressure	High / Low	dB(A)	40 / 33	40 / 33	40 / 33	40 / 33	45 / 45	47 / 47
Sound Power		dB(A)	66	66	66	66	81	82

Outdoor Units			RZQG125L9V1	RZQG125L8Y1	RZQSG125L9V1	RZQSG125L8Y1	RZQ200C	RZQ250C
Dimensions	Height x Width x Depth	mm	1430 x 940 x 320	1430 x 940 x 320	990 x 940 x 320	990 x 940 x 320	1680 x 930 x 765	1680 x 930 x 765
Weight		kg	95	101	75	82	183	184
Electrical Details	Power Supply		1ph - see notes	3ph - see notes	1ph - see notes	3ph - see notes	3ph - see notes	
	Running Current	A	14.80	4.89	17.30	5.72	4.61	6.35
	Starting Current	A	4	4	4	4	4	4
	Max Fuse Size	A	32	20	32	20	25	25
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5	
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 7/8 (22.2)	1/2 (12.7) / 7/8 (22.2)
Pipework	Maximum Length	m	75	75	50	50	100	100
	Maximum Vertical Rise	m	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual	
	Holding Charge	kg	4.0	4.0	2.9	2.9	8.3	9.3
Sound Pressure (Cooling)	Nom / Night Quiet	dB(A)	51 / 45	51 / 45	54 / 49	54 / 49	57 / -	57 / -
Sound Power		dB(A)	67	67	70	70	78	78
Air Flow Rate (Cooling)	High	m³/sec	1.166	1.166	1.283	1.283	2.850	2.850

<b>Trade Fan Coil Price</b>	<b>£1,163.00</b>	<b>£1,163.00</b>	<b>£1,163.00</b>	<b>£1,163.00</b>	<b>£1,485.00</b>	<b>£1,836.00</b>
<b>Trade Condensing Unit Price</b>	<b>£1,666.00</b>	<b>£1,743.00</b>	<b>£1,245.00</b>	<b>£1,282.00</b>	<b>£2,324.00</b>	<b>£2,509.00</b>
<b>Total System Price</b>	<b>£2,829.00</b>	<b>£2,906.00</b>	<b>£2,408.00</b>	<b>£2,445.00</b>	<b>£3,809.00</b>	<b>£4,345.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC4C65	Wireless remote controller	£152.00
EKROR03	Remote on/off control interface kit	£29.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£92.00
RTD-NET/UK.FB2	Modbus Interface PCB for Sky Air and VRV	£190.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£235.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£251.00
KRCS01-1	Remote room mounted temperature sensor	£46.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£185.00
DTA112B51	Adaptor PCB for interface to Daikin centralised control systems	£89.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£46.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGL	Condensing Unit Guard size 100-140 including RXYSQ	£354.00

## Features:

- > High static units for longer ducted runs
- > Up to 250Pa External Static Pressure
- > Auto balancing air flow / ESP on commissioning
- > Comms, computer and server room cooling possible (Seasonal Smart only)
- > Super inverter technology: reduces power consumption by up to 70% compared to non inverter units
- > Selectable evaporating & condensing temperature for greater operating efficiency (Seasonal Smart only)

## Notes:

- All fan coils supplied as standard with BRC1E52A wired remote controller with 7-day time clock
- BRC4C65 Trade price will be reduced by £76.00 if ordered in place of the BRC1E52A
- Replacement technology not applicable to RZQ200 and RZQ250**
- All fan coil units standard with auto restart after power failure
- All fan coils supplied as standard with air filter
- Minimum ambient operating temperatures:

	Cooling	Heating
RZQG	-15°C	-20°C
RZQSG	-15°C	-15°C
RZQ	-5°C	-15°C

- FDQ Fan Coil unit requires a separate 15 amp power supply





To simplify the order process, you may want to use the Order Code from table below.

Each code includes all products for a system (eg remote controllers, indoor units) & means you no longer need to order individual materials.

Indoor	Model	Capacity	Order Code	Product Codes Included	List Price
Hi-COP Cassette	Smart Single Phase	7.1kW	SB.FCQHG71F_FP/GLY	BRC1E52A+BYCQ140D+FCQHG71F+RZQG71L9V1	£1,978.00
		10.0kW	SB.FCQHG100F_FP/GLY	BRC1E52A+BYCQ140D+FCQHG100F+RZQG100L9V1	£2,404.00
		12.5kW	SB.FCQHG125F_FP/GLY	BRC1E52A+BYCQ140D+FCQHG125F+RZQG125L9V1	£2,638.00
	Smart Three Phase	14.0kW	SB.FCQHG140F_FP/GLY	BRC1E52A+BYCQ140D+FCQHG140F+RZQG140L9V1	£3,069.00
		7.1kW	SB.FCQHG71F_FP/GLY	BRC1E52A+BYCQ140D+FCQHG71F+RZQG71L8Y1	£2,014.00
		10.0kW	SB.FCQHG100F_FP/GLY	BRC1E52A+BYCQ140D+FCQHG100F+RZQG100L8Y1	£2,474.00
Roundflow	Smart Single Phase	12.5kW	SB.FCQHG125F_FP/GLY	BRC1E52A+BYCQ140D+FCQHG125F+RZQG125L8Y1	£2,715.00
		14.0kW	SB.FCQHG140F_FP/GLY	BRC1E52A+BYCQ140D+FCQHG140F+RZQG140L8Y1	£3,170.00
		7.1kW	SB.FCQG71F_FP/GLV	BRC1E52A+BYCQ140D+FCQG71F+RZQG71L9V1	£1,978.00
	Smart Three Phase	10.0kW	SB.FCQG100F_FP/GLV	BRC1E52A+BYCQ140D+FCQG100F+RZQG100L9V1	£2,404.00
		12.5kW	SB.FCQG125F_FP/GLV	BRC1E52A+BYCQ140D+FCQG125F+RZQG125L9V1	£2,638.00
		14.0kW	SB.FCQG140F_FP/GLV	BRC1E52A+BYCQ140D+FCQG140F+RZQG140L9V1	£3,069.00
	Classic Single Phase	7.1kW	SB.FCQG71F_FP/SLV	BRC1E52A+BYCQ140D+FCQG71F+RZQS71L3V1	£1,607.00
		10.0kW	SB.FCQG100F_FP/SLV	BRC1E52A+BYCQ140D+FCQG100F+RZQS71L3V1	£2,025.00
		12.5kW	SB.FCQG125F_FP/SLV	BRC1E52A+BYCQ140D+FCQG125F+RZQS71L3V1	£2,217.00
	Classic Three Phase	14.0kW	SB.FCQG140F_FP/SLV	BRC1E52A+BYCQ140D+FCQG140F+RZQS71L3V1	£2,554.00
		10.0kW	SB.FCQG100F_FP/SLY	BRC1E52A+BYCQ140D+FCQG100F+RZQS71L3Y1	£2,060.00
		12.5kW	SB.FCQG125F_FP/SLY	BRC1E52A+BYCQ140D+FCQG125F+RZQS71L3Y1	£2,254.00
Inverter Single Phase	14.0kW	SB.FCQG140F_FP/SLY	BRC1E52A+BYCQ140D+FCQG140F+RZQS71L3Y1	£2,596.00	
	7.1kW	SB.FCQG71F_FP/AZQSV	BRC1E52A+BYCQ140D+FCQG71F+AZQ71L8V1	£1,501.00	
	10.0kW	SB.FCQG100F_FP/AZQSV	BRC1E52A+BYCQ140D+FCQG100F+AZQ71L8V1	£1,768.00	
Inverter Three Phase	12.5kW	SB.FCQG125F_FP/AZQSV	BRC1E52A+BYCQ140D+FCQG125F+AZQ71L8V1	£1,958.00	
	14.0kW	SB.FCQG140F_FP/AZQSV	BRC1E52A+BYCQ140D+FCQG140F+AZQ71L8V1	£2,272.00	
	10.0kW	SB.FCQG100F_FP/AZQSY	BRC1E52A+BYCQ140D+FCQG100F+AZQ71L8Y1	£1,816.00	
RXS	12.5kW	SB.FCQG125F_FP/AZQSY	BRC1E52A+BYCQ140D+FCQG125F+AZQ71L8Y1	£2,010.00	
	14.0kW	SB.FCQG140F_FP/AZQSY	BRC1E52A+BYCQ140D+FCQG140F+AZQ71L8Y1	£2,332.00	
	3.5kW	SB.FCQG35F_FP/RXSL3	BRC1E52A+BYCQ140D+FCQG35F+RXS35L3	£1,235.00	
Under Ceiling Cassette (FUQ)	Smart Single Phase	5.0kW	SB.FCQG50F_FP/RXSL	BRC1E52A+BYCQ140D+FCQG50F+RXS50L	£1,393.00
		6.0kW	SB.FCQG60F_FP/RXSL	BRC1E52A+1-BYCQ140D+1-FCQG60F+1-RXS60L+1	£1,483.00
		7.1kW	SB.FUQ71C_F/GLV	BRC1E52A+1-FUQ71C+1-RZQG71L9V1+1	£2,048.00
Smart Three Phase	10.0kW	SB.FUQ100C_F/GLV	BRC1E52A+1-FUQ100C+1-RZQG100L9V1+1	£2,454.00	
	12.5kW	SB.FUQ125C_F/GLV	BRC1E52A+1-FUQ125C+1-RZQG125L9V1+1	£2,703.00	
	14.0kW	SB.FUQ140C_F/GLV	BRC1E52A+1-FUQ140C+1-RZQG140L9V1+1	£2,984.00	
Classic Single Phase	7.1kW	SB.FUQ71C_F/GLY	BRC1E52A+1-FUQ71C+1-RZQG71L8Y1+1	£2,084.00	
	10.0kW	SB.FUQ100C_F/GLY	BRC1E52A+1-FUQ100C+1-RZQG100L8Y1+1	£2,524.00	
	12.5kW	SB.FUQ125C_F/GLY	BRC1E52A+1-FUQ125C+1-RZQG125L8Y1+1	£2,780.00	
Classic Three Phase	7.1kW	SB.FUQ71C_F/SLV	BRC1E52A+1-FUQ71C+1-RZQS71L9V1+1	£1,677.00	
	10.0kW	SB.FUQ100C_F/SLV	BRC1E52A+1-FUQ100C+1-RZQS71L9V1+1	£2,075.00	
	12.5kW	SB.FUQ125C_F/SLV	BRC1E52A+1-FUQ125C+1-RZQS71L9V1+1	£2,382.00	
Fully Flat Cassette (FFQ)	RXS	10.0kW	SB.FUQ100C_F/SLY	BRC1E52A+1-FUQ100C+1-RZQS71L9V1+1	£2,110.00
		12.5kW	SB.FUQ125C_F/SLY	BRC1E52A+1-FUQ125C+1-RZQS71L9V1+1	£2,319.00
		2.5kW	SB.FFQ25C_F/RXSL3	BRC1E52A x 1 & BYFQ60CW x 1 & FFQ25C x 1 & RXS35L3 x 1	£1,112.00
Slim Ducted	RXS	3.5kW	SB.FFQ35C_F/RXSL3	BRC1E52A x 1 & BYFQ60CW x 1 & FFQ35C x 1 & RXS35L3 x 1	£1,248.00
		5.0kW	SB.FFQ50C_F/RXSL	BRC1E52A x 1 & BYFQ60CW x 1 & FFQ50C x 1 & RXS50L x 1	£1,460.00
		6.0kW	SB.FFQ60C_F/RXSL	BRC1E52A x 1 & BYFQ60CW x 1 & FFQ60C x 1 & RXS60L x 1	£1,549.00
Ducted	Smart Single Phase	7.1kW	SB.FBQ71D_F/GLV	BRC1E52A x 1 & FBQ71D x 1 & RZQG71L9V1 x 1	£2,051.00
		10.0kW	SB.FBQ100D_F/GLV	BRC1E52A x 1 & FBQ100D x 1 & RZQG100L9V1 x 1	£2,413.00
		12.5kW	SB.FBQ125D_F/GLV	BRC1E52A x 1 & FBQ125D x 1 & RZQG125L9V1 x 1	£2,729.00
	Smart Three Phase	14.0kW	SB.FBQ140D_F/GLV	BRC1E52A x 1 & FBQ140D x 1 & RZQG140L9V1 x 1	£3,133.00
		7.1kW	SB.FBQ71D_F/GLY	BRC1E52A x 1 & FBQ71D x 1 & RZQG71L8Y1 x 1	£2,087.00
		10.0kW	SB.FBQ100D_F/GLY	BRC1E52A x 1 & FBQ100D x 1 & RZQG100L8Y1 x 1	£2,483.00
	Classic Single Phase	12.5kW	SB.FBQ125D_F/GLY	BRC1E52A x 1 & FBQ125D x 1 & RZQG125L8Y1 x 1	£2,806.00
		14.0kW	SB.FBQ140D_F/GLY	BRC1E52A x 1 & FBQ140D x 1 & RZQG140L8Y1 x 1	£3,234.00
		7.1kW	SB.FBQ71D_F/SLV	BRC1E52A x 1 & FBQ71D x 1 & RZQS71L3V1 x 1	£1,680.00
	Classic Three Phase	10.0kW	SB.FBQ100D_F/SLV	BRC1E52A x 1 & FBQ100D x 1 & RZQS71L3V1 x 1	£2,034.00
		12.5kW	SB.FBQ125D_F/SLV	BRC1E52A x 1 & FBQ125D x 1 & RZQS71L3V1 x 1	£2,308.00
		14.0kW	SB.FBQ140D_F/SLV	BRC1E52A x 1 & FBQ140D x 1 & RZQS71L3V1 x 1	£2,618.00
RXS	10.0kW	SB.FBQ100D_F/SLY	BRC1E52A x 1 & FBQ100D x 1 & RZQS71L3Y1 x 1	£2,069.00	
	12.5kW	SB.FBQ125D_F/SLY	BRC1E52A x 1 & FBQ125D x 1 & RZQS71L3Y1 x 1	£2,345.00	
	14.0kW	SB.FBQ140D_F/SLY	BRC1E52A x 1 & FBQ140D x 1 & RZQS71L3Y1 x 1	£2,660.00	
High Static Ducted	RXS	3.5kW	SB.FBQ35D_F/RXSL3	BRC1E52A x 1 & FBQ35D x 1 & RXS35L3 x 1	£1,067.00
		5.0kW	SB.FBQ50D_F/RXSL	BRC1E52A x 1 & FBQ50D x 1 & RXS50L x 1	£1,235.00
		6.0kW	SB.FBQ60D_F/RXSL	BRC1E52A x 1 & FBQ60D x 1 & RXS60L x 1	£1,340.00
Slim Ducted	RXS	2.5kW	SB.FDXS25F_F/RXSL3	BRC1E52A x 1 & FDXS25F x 1 & RXS35L3 x 1	£870.00
		3.5kW	SB.FDXS35F_F/RXSL3	BRC1E52A x 1 & FDXS35F x 1 & RXS35L3 x 1	£993.00
		5.0kW	SB.FDXS50F_F/RXSL	BRC1E52A x 1 & FDXS50F x 1 & RXS50L x 1	£1,171.00
High Static Ducted	RZQ-C	6.0kW	SB.FDXS60F_F/RXSL	BRC1E52A x 1 & FDXS60F x 1 & RXS60L x 1	£1,264.00
		12.5kW	SB.FDQ125C_F/GLV	BRC1E52A x 1 & FDQ125C x 1 & RZQG125L9V1 x 1	£2,829.00
		12.5kW	SB.FDQ125C_F/GLY	BRC1E52A x 1 & FDQ125C x 1 & RZQG125L8Y1 x 1	£2,906.00
		12.5kW	SB.FDQ125C_F/SLV	BRC1E52A x 1 & FDQ125C x 1 & RZQS71L9V1 x 1	£2,408.00
		12.5kW	SB.FDQ125C_F/SLY	BRC1E52A x 1 & FDQ125C x 1 & RZQS71L8Y1 x 1	£2,445.00
High Static Ducted	RZQ-C	20kW	SB.FDQ200B_F/RZQ	BRC1E52A+1-FDQ200B+1-RZQ200C+1	£3,809.00
		25kW	SB.FDQ250B_F/RZQ	BRC1E52A+1-FDQ250B+1-RZQ250C+1	£4,345.00





# Multi Series Inverters



Outdoor Units			2MXS40H	2MXS50H	3MXS40K	3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E
Capacity	Nominal Cooling	kW	4.00	5.00	4.00	5.20	6.80	6.80	8.00	9.00
	Nominal Heating	kW	4.40	5.70	4.60	6.80	8.60	8.60	9.60	10.40
Dimensions	Height	mm	550	550	735	735	735	735	770	770
	Width	mm	765	765	936	936	936	936	900	900
	Depth	mm	285	285	300	300	300	300	320	320
Weight		kg	38	42	49	49	58	58	72	73
Electrical Details	Power Supply	Phase	1ph							
		Hz	50							
		V	230							
	Running Current	amps	Refer to Multi Combination Tables							
	Starting Current	amps	4	4	4	4	4	4	4	4
	Fuse Rating	amps	16	16	16	20	20	20	20	20
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	1.2	1.6	2.0	2.0	2.6	2.6	3.0	3.0
Sound Pressure	Nom	dBA	47	48	46	46	48	48	48	52
Sound Power			62	63	59	59	61	61	62	66
Piping Limits	Maximum Length	m	30	30	50	50	60	60	70	75
	Maximum Vertical Rise	m	15	15	15	15	15	15	15	15
Piping Connections	Liquid	inches (mm)	2x 1/4 (6.4)	2x 1/4 (6.4)	3x 1/4 (6.4)	3x 1/4 (6.4)	3x 1/4 (6.4)	4x 1/4 (6.4)	4x 1/4 (6.4)	5x 1/4 (6.4)
	Gas	inches (mm)	2x 3/8 (9.5)	3/8 (9.5) 1/2 (12.7)	2x 3/8 (9.5) 1/2 (12.7)	2x 3/8 (9.5) 1/2 (12.7)	3/8 (9.5) 2x 1/2 (12.7)	2x 3/8 (9.5) 2x 1/2 (12.7)	3/8 (9.5) 1/2 (12.7) 2x 5/8 (15.9)	2x 3/8 (9.5) 1/2 (12.7) 2x 5/8 (15.9)
Number of Connected Indoor Units			2	2	3	3	3	4	4	5
Air Flow Rate (Cooling) Nom		m <sup>3</sup> /sec	0.55	0.567	0.75	0.75	0.823	0.823	0.908	0.908
<b>Trade Condensing Unit Price</b>			<b>£998.00</b>	<b>£1,104.00</b>	<b>£1,040.00</b>	<b>£1,156.00</b>	<b>£1,637.00</b>	<b>£1,766.00</b>	<b>£1,989.00</b>	<b>£2,141.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.DT1	Condensate drip tray for use with Split ODU - tray width 800mm	£54.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGM	Condensing Unit Guard size 42-71	£296.00

## Notes:

i) Minimum ambient operating temperatures:

	Cooling	Heating
<b>2MXS40, 50</b>	10°C	-15°C
<b>3MXS40, 52, 68</b>	-10°C	-15°C
<b>4MXS68, 80</b>	-10°C	-15°C
<b>5MXS90</b>	-10°C	-15°C

## Painted Units



Customers sometimes require visible units to be less obtrusive, whether for aesthetic or planning reasons.

Daikin UK offer a customised service where we can repaint our units to any specified RAL or BS finish. Our repainting service is done in house in our purpose built facility and includes removing base paint to give a uniform, long lasting and professional finish. We have repainted fan coils, decoration panels, BS boxes and all types of condensers for a number of clients.

### PRICE ON APPLICATION

**Lead time:** 2-3 weeks

**Applicable units:** All

When asking for a quotation or ordering, please state the unit you require along with the finish requirements e.g. colour, pattern etc.

### Please note:

The stated lead times are a guide, this can be influenced by the design and complexity of the requirement.

**R-410A**

VRV IV S-Series RXYSQC-T

# VRV IV Condensing Unit – Low Height Compact Mini VRV



Outdoor Units			RXYSQC4TV1	RXYSQC5TV1
Capacity	Nominal Cooling	kW	12.1	14
	Nominal Heating	kW	12.1	14
Power Input 50Hz	Cooling	kW	3.43	4.26
	Heating	kW	3.18	3.91
EER			3.53	3.29
COP			3.81	3.58
Dimensions	Height x Width x Depth	mm	823 x 940 x 460	
Weight		kg	94	94
Refrigerant Circuit	Refrigerant Type		R410A	
Sound Pressure (Nom)	Cooling	dBA	51	52
Sound Power (Nom)	Cooling	dBA	68	69
Maximum No of Connectable Units			8	10
Electrical Details	Power Supply	Phase / Hz / V	1 / 50 / 230	
	Running Current	amps	19.0	
	Starting Current	amps	4	
	Fuse Rating	amps	32	
Piping Limits	Total Piping length	m	300	
	Maximum Length	m	70 (90 equivalent)	
	Maximum Vertical Rise	m	30	
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)
	Gas	inch (mm)	5/8 (15.9)	5/8 (15.9)
Capacity Index Limit			50~130	62.5~162.5
<b>Trade Condensing Unit Price</b>			<b>£2,462.00</b>	<b>£2,767.00</b>

## Features:

- > New low height Mini VRV, making complying with planning restrictions in towns and cities easier
- > Compact – Only 823mm high
- > Lightweight – for simple installation
- > Variable Refrigerant temperature – Enhanced efficiency
- > In addition to VRV fan coils, low height Mini VRV is connectable to: Stylish indoor units – Emura and Nexura – as well as Air Handling Units and Biddle Air curtains
- > Single phase



## BPMK

# Mini VRV for Residential Applications



- > Multi Series Inverters can connect up to five indoor units from across the split range
- > Up to nine indoor units can be connected to a single Mini-VRV outdoor unit. To allow connection of the split indoor units, the system will need two or three port BPMK boxes
- > BPMK boxes open up the full range of split indoor unit style – from the stylish Emura to the radiant heat of the Nexura
- > For full details of the expanded range of capacities in the Mini-VRV range, including the new low height S series, refer to page 70

Daikin's range of split indoor units			BPMKS967A2	BPMKS967A3
Dimensions	H x W x D	mm	180 x 650 x 350	
Weight		kg	7.5	8
Total Indoor Capacity		kW	14.2	20.8
Connectable Units			2	3
Electrical Details	Power Supply		1~ 220 - 240V, 50 Hz	
	Power Input	kW	0.01	0.01
Piping Limits	Maximum Total - outdoor to BPMK box		55	55
	Distance from BPMK to indoor		15	15
Piping Connections Indoor	Liquid	Inches (mm)	2 x 1/4 (6.4)	3 x 1/4 (6.4)
	Gas	Inches (mm)	2 x 5/8 (15.9)	3 x 5/8 (15.9)
Piping Connections Outdoor	Liquid	Inches (mm)	1 x 3/8 (9.5)	1 x 3/8 (9.5)
	Gas	Inches (mm)	1 / 3/4 (19.0)	1 / 3/4 (19.0)
<b>Trade List Price</b>			<b>£356.00</b>	<b>£380.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
KHRQ22M20T	R410A 2 Pipe refnet joint	£29.00

## Notes:

- i) Mini-VRV units are subject to VRV discount level. Split indoor units bought to connect to mini VRV are still subject to Split discount levels. BPMK Boxes are bought at accessories discount levels.

## Super Inverter



Outdoor Units			Super Inverter	
			RZQ200C	RZQ250C
Dimensions	Height	mm	1680	1680
	Width	mm	930	930
	Depth	mm	765	765
Weight		kg	183	184
Electrical Details	Power Supply		3ph	
	Running Current	A	data book	
	Starting Current	A	4	4
	Max Fuse Size	A	25	25
Interconnection Wiring	Core / Cable size		3+E / 1.5	
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 7/8 (22.2)	1/2 (12.7) / 7/8 (22.2)
Pipework	Maximum Length	m	100	100
	Maximum Vertical Rise	m	30	30
	Precharged to	m	30	30
	Additional Charge	g/m	Refer to Installation Manual	
	Holding Charge	kg	8.3	9.3
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	57 / -	57 / -
Sound Power			78	78
Air Flow Rate (Cooling)	High / Nom*	m <sup>3</sup> /sec	2.85*	2.85*
<b>Trade Condensing Unit Price</b>			<b>£2,576.00</b>	<b>£2,698.00</b>

## Possible Combinations

## Twin, Triple and Double Twin Outdoor Units

	Outdoor	Indoor Type	Material	Remote	Refnet	System Price
20kW Twin	RZQ200C Three Phase	Cassette	2 x FCQG100F	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,057.00</b>
		Hi-COP Cassette	2 x FCQHG100F	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,057.00</b>
		Under Ceiling Cassette	2 x FUQ100F	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,157.00</b>
		Wall Mount	2 x FAQ100CB	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,893.00</b>
		Ceiling Suspended	2 x FHQ100C	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,243.00</b>
		Ducted	2 x FBQ100D	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,075.00</b>
20kW Triple	RZQ200C Three Phase	Cassette	3 x FCQG60F	1 x BRC1E52	1 x KHRQ250H7	<b>£4,482.00</b>
		600 x 600 Fully Flat Cassette	3 x FFQ60F	1 x BRC1E52	1 x KHRQ250H7	<b>£4,680.00</b>
		Ceiling Suspended	3 x FHQ60C	1 x BRC1E52	1 x KHRQ250H7	<b>£4,629.00</b>
		Ducted	3 x FBQ60D	1 x BRC1E52	1 x KHRQ250H7	<b>£4,053.00</b>
		Slim Duct	3 x FDXS60F	1 x BRC1E52	1 x KHRQ250H7	<b>£3,825.00</b>
		Concealed Floor Standing	3 x FNQ60A	1 x BRC1E52	1 x KHRQ250H7	<b>£4,191.00</b>
20kW Triple	RZQ200C Three Phase	Cassette	3 x FCQG71F	1 x BRC1E52	1 x KHRQ250H7	<b>£4,614.00</b>
		Hi-COP Cassette	3 x FCQHG71F	1 x BRC1E52	1 x KHRQ250H7	<b>£4,614.00</b>
		Under Ceiling Cassette	3 x FUQ71F	1 x BRC1E52	1 x KHRQ250H7	<b>£4,824.00</b>
		Wall Mount	3 x FAQ71CB	1 x BRC1E52	1 x KHRQ250H7	<b>£4,500.00</b>
		Ceiling Suspended	3 x FHQ71C	1 x BRC1E52	1 x KHRQ250H7	<b>£5,031.00</b>
		Ducted	3 x FBQ71D	1 x BRC1E52	1 x KHRQ250H7	<b>£4,833.00</b>
20kW Double Twin	RZQ200C Three Phase	Cassette	4 x FCQG50F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,979.00</b>
		600 x 600 Fully Flat Cassette	4 x FFQ50F	1 x BRC1E52	3 x KHRQ22M20T	<b>£5,247.00</b>
		Ceiling Suspended	4 x FHQ50C	1 x BRC1E52	3 x KHRQ22M20T	<b>£5,071.00</b>
		Ducted	4 x FBQ50D	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,347.00</b>
		Slim Duct	4 x FDXS50F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,091.00</b>
		Concealed Floor Standing	4 x FNQ50A	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,527.00</b>
25kW Twin	RZQ250C Three Phase	Cassette	2 x FCQG125F	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,406.00</b>
		Hi-COP Cassette	2 x FCQHG125F	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,406.00</b>
		Under Ceiling Cassette	2 x FUQ125F	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,536.00</b>
		Ceiling Suspended	2 x FHQ125C	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,920.00</b>
		Ducted	2 x FBQ125D	1 x BRC1E52	1 x KHRQ22M20T	<b>£4,588.00</b>
		Cassette	4 x FCQG60F	1 x BRC1E52	3 x KHRQ22M20T	<b>£5,340.00</b>
25kW Double Twin	RZQ250C Three Phase	600 x 600 Fully Flat Cassette	4 x FFQ60F	1 x BRC1E52	3 x KHRQ22M20T	<b>£5,604.00</b>
		Ceiling Suspended	4 x FHQ60C	1 x BRC1E52	3 x KHRQ22M20T	<b>£5,536.00</b>
		Ducted	4 x FBQ60D	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,768.00</b>
		Slim Duct	4 x FDXS60F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,464.00</b>
		Concealed Floor Standing	4 x FNQ60A	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,952.00</b>



Outdoor Units			Seasonal Smart				Seasonal Smart			
			Single Phase				3 Phase			
			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Height	mm	990	1430	1430	1430	990	1430	1430	1430
	Width	mm	940	940	940	940	940	940	940	940
	Depth	mm	320	320	320	320	320	320	320	320
Weight		kg	78	102	102	102	80	101	101	101
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	data book				data book			
	Starting Current	A	4	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	16	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5							
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)							
Pipework	Maximum Length	m	50	75	75	75	50	75	75	75
	Maximum Vertical Rise	m	30							
	Precharged to	m	30							
	Additional Charge	g/m	Refer to Installation Manual							
	Holding Charge	kg	2.9	4.0	4.0	4.0	2.9	4.0	4.0	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dba	48 / 43	50 / 45	51 / 45	52 / 45	48 / 43	50 / 45	51 / 45	52 / 45
Sound Power			64	66	67	69	64	66	67	69
Air Flow Rate (Cooling)	High / Nom*	m³/sec	0.98	1.17	1.17	1.40	0.98	1.17	1.17	1.40
<b>Trade Condensing Unit Price</b>			<b>£1,191.00</b>	<b>£1,514.00</b>	<b>£1,666.00</b>	<b>£1,901.00</b>	<b>£1,227.00</b>	<b>£1,584.00</b>	<b>£1,743.00</b>	<b>£2,002.00</b>

## Possible Combinations

# Twin, Triple and Double Twin Outdoor Units

	Outdoor	Indoor Type	Material	Remote	Refnet	System Price
7.1kW Twin	RZQG71L9V1 Single Phase	Cassette	2 x FCQG35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,510.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,536.00</b>
		Ceiling Suspended	2 x FHQ35C	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,476.00</b>
		Ducted	2 x FBQ35D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,174.00</b>
		Slim Duct	2 x FDXS35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,026.00</b>
	RZQG71L8Y1 Three Phase	Concealed Floor Standing	2 x FNQ35A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,150.00</b>
		Cassette	2 x FCQG35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,546.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,572.00</b>
		Ceiling Suspended	2 x FHQ35C	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,512.00</b>
		Ducted	2 x FBQ35D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,210.00</b>
10kW Twin	RZQG100L9V1 Single Phase	Slim Duct	2 x FDXS35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,062.00</b>
		Concealed Floor Standing	2 x FNQ35A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,186.00</b>
		Cassette	2 x FCQG50F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,865.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ50F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,999.00</b>
		Ceiling Suspended	2 x FHQ50C	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,911.00</b>
	RZQG100L8Y1 Three Phase	Ducted	2 x FBQ50D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,549.00</b>
		Slim Duct	2 x FDXS50F9	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,421.00</b>
		Concealed Floor Standing	2 x FNQ50A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,639.00</b>
		Cassette	2 x FCQG50F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,935.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ50F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,069.00</b>
10kW Triple	RZQG100L9V1 Single Phase	Ceiling Suspended	2 x FHQ50C	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,981.00</b>
		Ducted	2 x FBQ50D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,619.00</b>
		Slim Duct	2 x FDXS50F9	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,491.00</b>
		Concealed Floor Standing	2 x FNQ50A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,709.00</b>
		Cassette	3 x FCQG35F	1 x BRC1E52	1 x KHRQ127H	<b>£3,476.00</b>
	RZQG100L8Y1 Three Phase	600 x 600 Fully Flat Cassette	3 x FFQ35F	1 x BRC1E52	1 x KHRQ127H	<b>£3,515.00</b>
		Ceiling Suspended	3 x FHQ35C	1 x BRC1E52	1 x KHRQ127H	<b>£3,425.00</b>
		Ducted	3 x FBQ35D	1 x BRC1E52	1 x KHRQ127H	<b>£2,972.00</b>
		Slim Duct	3 x FDXS35F	1 x BRC1E52	1 x KHRQ127H	<b>£2,750.00</b>
		Concealed Floor Standing	3 x FNQ35A	1 x BRC1E52	1 x KHRQ127H	<b>£2,936.00</b>
12kW Twin	RZQG125L9V1 Single Phase	Cassette	3 x FCQG35F	1 x BRC1E52	1 x KHRQ127H	<b>£3,546.00</b>
		600 x 600 Fully Flat Cassette	3 x FFQ35F	1 x BRC1E52	1 x KHRQ127H	<b>£3,585.00</b>
		Ceiling Suspended	3 x FHQ35C	1 x BRC1E52	1 x KHRQ127H	<b>£3,495.00</b>
		Ducted	3 x FBQ35D	1 x BRC1E52	1 x KHRQ127H	<b>£3,042.00</b>
		Slim Duct	3 x FDXS35F	1 x BRC1E52	1 x KHRQ127H	<b>£2,820.00</b>
	RZQG125L8Y1 Three Phase	Concealed Floor Standing	3 x FNQ35A	1 x BRC1E52	1 x KHRQ127H	<b>£3,006.00</b>
		Cassette	2 x FCQG60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,105.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,237.00</b>
		Ceiling Suspended	2 x FHQ60C	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,203.00</b>
		Ducted	2 x FBQ60D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,819.00</b>
RZQG125L8Y1 Three Phase	Slim Duct	2 x FDXS60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,667.00</b>	
	Concealed Floor Standing	2 x FNQ60A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,911.00</b>	
	Cassette	2 x FCQG60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,182.00</b>	
	600 x 600 Fully Flat Cassette	2 x FFQ60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,314.00</b>	
	Ceiling Suspended	2 x FHQ60C	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,280.00</b>	
RZQG125L8Y1 Three Phase	Ducted	2 x FBQ60D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,896.00</b>	
	Slim Duct	2 x FDXS60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,744.00</b>	
	Concealed Floor Standing	2 x FNQ60A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,988.00</b>	



	Outdoor	Indoor Type	Material	Remote	Refnet	System Price
12kW Triple	RZQG125L9V1 Single Phase	Cassette	3 x FCQG50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,676.00</b>
		600 x 600 Fully Flat Cassette	3 x FFQ50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,877.00</b>
		Ceiling Suspended	3 x FHQ50C	1 x BRC1E52	1 x KHRQ127H	<b>£3,745.00</b>
		Ducted	3 x FBQ50D	1 x BRC1E52	1 x KHRQ127H	<b>£3,202.00</b>
		Slim Duct	3 x FDXS50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,010.00</b>
	Concealed Floor Standing	3 x FNQ50A	1 x BRC1E52	1 x KHRQ127H	<b>£3,337.00</b>	
	RZQG125L8Y1 Three Phase	Cassette	3 x FCQG50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,753.00</b>
		600 x 600 Fully Flat Cassette	3 x FFQ50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,954.00</b>
		Ceiling Suspended	3 x FHQ50C	1 x BRC1E52	1 x KHRQ127H	<b>£3,822.00</b>
		Ducted	3 x FBQ50D	1 x BRC1E52	1 x KHRQ127H	<b>£3,279.00</b>
Slim Duct		3 x FDXS50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,087.00</b>	
Concealed Floor Standing	3 x FNQ50A	1 x BRC1E52	1 x KHRQ127H	<b>£3,414.00</b>		
12kW Double Twin	RZQG125L9V1 Single Phase	Cassette	4 x FCQG35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,257.00</b>
		600 x 600 Fully Flat Cassette	4 x FFQ35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,309.00</b>
		Ceiling Suspended	4 x FHQ35C	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,189.00</b>
		Ducted	4 x FBQ35D	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,585.00</b>
		Slim Duct	4 x FDXS35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,289.00</b>
	Concealed Floor Standing	4 x FNQ35A	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,537.00</b>	
	RZQG125L8Y1 Three Phase	Cassette	4 x FCQG35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,334.00</b>
		600 x 600 Fully Flat Cassette	4 x FFQ35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,386.00</b>
		Ceiling Suspended	4 x FHQ35C	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,266.00</b>
		Ducted	4 x FBQ35D	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,662.00</b>
Slim Duct		4 x FDXS35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,366.00</b>	
Concealed Floor Standing	4 x FNQ35A	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,614.00</b>		
14kW Twin	RZQG140L9V1 Single Phase	Cassette	2 x FCQG71F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,428.00</b>
		Hi-COP Cassette	2 x FCQHG71F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,428.00</b>
		Under Ceiling Cassette	2 x FUQ71F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,568.00</b>
		Wall Mount	2 x FAQ71CB	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,352.00</b>
		Ceiling Suspended	2 x FHQ71C	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,706.00</b>
	Ducted	2 x FBQ71D	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,574.00</b>	
	RZQG140LY1 Three Phase	Cassette	2 x FCQG71F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,529.00</b>
		Hi-COP Cassette	2 x FCQHG71F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,529.00</b>
		Under Ceiling Cassette	2 x FUQ71F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,669.00</b>
		Wall Mount	2 x FAQ71CB	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,453.00</b>
Ceiling Suspended		2 x FHQ71C	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,807.00</b>	
Ducted	2 x FBQ71D	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,675.00</b>		
14kW Triple	RZQG140L9V1 Single Phase	Cassette	3 x FCQG50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,911.00</b>
		600 x 600 Fully Flat Cassette	3 x FFQ50F	1 x BRC1E52	1 x KHRQ127H	<b>£4,112.00</b>
		Ceiling Suspended	3 x FHQ50C	1 x BRC1E52	1 x KHRQ127H	<b>£3,980.00</b>
		Ducted	3 x FBQ50D	1 x BRC1E52	1 x KHRQ127H	<b>£3,437.00</b>
		Slim Duct	3 x FDXS50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,245.00</b>
	Concealed Floor Standing	3 x FNQ50A	1 x BRC1E52	1 x KHRQ127H	<b>£3,572.00</b>	
	RZQG140LY1 Three Phase	Cassette	3 x FCQG50F	1 x BRC1E52	1 x KHRQ127H	<b>£4,012.00</b>
		600 x 600 Fully Flat Cassette	3 x FFQ50F	1 x BRC1E52	1 x KHRQ127H	<b>£4,213.00</b>
		Ceiling Suspended	3 x FHQ50C	1 x BRC1E52	1 x KHRQ127H	<b>£4,081.00</b>
		Ducted	3 x FBQ50D	1 x BRC1E52	1 x KHRQ127H	<b>£3,538.00</b>
Slim Duct		3 x FDXS50F	1 x BRC1E52	1 x KHRQ127H	<b>£3,346.00</b>	
Concealed Floor Standing	3 x FNQ50A	1 x BRC1E52	1 x KHRQ127H	<b>£3,673.00</b>		
14kW Double Twin	RZQG140L9V1 Single Phase	Cassette	4 x FCQG35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,492.00</b>
		600 x 600 Fully Flat Cassette	4 x FFQ35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,544.00</b>
		Ceiling Suspended	4 x FHQ35C	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,424.00</b>
		Ducted	4 x FBQ35D	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,820.00</b>
		Slim Duct	4 x FDXS35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,524.00</b>
	Concealed Floor Standing	4 x FNQ35A	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,772.00</b>	
	RZQG140LY1 Three Phase	Cassette	4 x FCQG35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,593.00</b>
		600 x 600 Fully Flat Cassette	4 x FFQ35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,645.00</b>
		Ceiling Suspended	4 x FHQ35C	1 x BRC1E52	3 x KHRQ22M20T	<b>£4,525.00</b>
		Ducted	4 x FBQ35D	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,921.00</b>
Slim Duct		4 x FDXS35F	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,625.00</b>	
Concealed Floor Standing	4 x FNQ35A	1 x BRC1E52	3 x KHRQ22M20T	<b>£3,873.00</b>		

### Accessories:

Accessory Ref	Description	Trade Price
KHRQ22M20T	R410A 2 Pipe Refnet Joint	<b>£29.00</b>
KHRQ127H	Triple Refnet Joint - RZQ571~140,RZQ100~140	<b>£65.00</b>
KHRQ250H7	Triple Refnet Joint - RZQ200~250	<b>£81.00</b>
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	<b>£37.00</b>
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	<b>£46.00</b>
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	<b>£59.00</b>
K.CGM	Condensing Unit Guard size 42-71	<b>£296.00</b>
K.CGL	Condensing Unit Guard size 100-140 including RXYSQ	<b>£354.00</b>

### Notes:

- i) Accessories for fan coils and condensing units - refer to pair system pages

### Maximum Fuse size for Twin, Triple and Double Twin Outdoor Units

Outdoor Units	Power	71	100	125	140	200	250
RZQG & RZQSG	Single Phase	20 amp	32 amp	32 amp	32 amp	-	-
	Three Phase	16 amp	20 amp	20 amp	20 amp	-	-
RZQ-C	Three Phase	-	-	-	-	20amp	20amp

### Note:

Max fuse size based on current price list series indoor units. Refer to data-book for more details.





Outdoor Units			Seasonal Classic				Seasonal Classic		
			Single Phase				3 Phase		
			RZQSG71L3V1	RZQSG100L9V1	RZQSG125L9V1	RZQSG140L9V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1
Dimensions	Height	mm	770	990	990	1430	990	990	1430
	Width	mm	900	940	940	940	940	940	940
	Depth	mm	320	320	320	320	320	320	320
Weight		kg	67	81	81	102	82	82	101
Electrical Details	Power Supply		1ph				3ph		
	Running Current	A	data book				data book		
	Starting Current	A	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5						
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)						
Pipework	Maximum Length	m	50	50	50	50	50	50	50
	Maximum Vertical Rise	m	30						
	Precharged to	m	30						
	Additional Charge	g/m	Refer to Installation Manual						
	Holding Charge	kg	2.75	2.9	2.9	4.0	2.9	2.9	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 49	53 / 49	54 / 49	53 / 49	53 / 49	54 / 49	53 / 49
Sound Power			65	69	70	69	69	70	69
Air Flow Rate (Cooling)	High	m³/sec	0.87	1.27	1.28	1.38	1.27	1.28	1.38
<b>Trade Condensing Unit Price</b>			<b>£820.00</b>	<b>£1,135.00</b>	<b>£1,245.00</b>	<b>£1,386.00</b>	<b>£ 1,170.00</b>	<b>£1,282.00</b>	<b>£1,428.00</b>

### Possible Combinations

## Twin, Triple and Double Twin Outdoor Units

	Outdoor	Indoor Type	Material	Remote	Refnet	System Price
7.1kW Twin	RZQSG71L3V1 Single Phase	Cassette	2 x FCQG35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,510.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,536.00</b>
		Ceiling Suspended	2 x FHQ35C	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,476.00</b>
		Ducted	2 x FBQ35D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,174.00</b>
		Slim Duct	2 x FDXS35F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,026.00</b>
		Concealed Floor Standing	2 x FNQ35A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,150.00</b>
10kW Twin	RZQSG100L9V1 Single Phase	Cassette	2 x FCQG50F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,865.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ50F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,999.00</b>
		Ceiling Suspended	2 x FHQ50C	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,911.00</b>
		Ducted	2 x FBQ50D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,549.00</b>
		Slim Duct	2 x FDXS50F9	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,421.00</b>
	RZQSG100L8Y1 Three Phase	Concealed Floor Standing	2 x FNQ50A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,639.00</b>
		Cassette	2 x FCQG50F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,935.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ50F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,069.00</b>
		Ceiling Suspended	2 x FHQ50C	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,981.00</b>
		Ducted	2 x FBQ50D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,619.00</b>
10kW Triple	RZQSG100L9V1 Single Phase	Slim Duct	2 x FDXS50F9	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,491.00</b>
		Concealed Floor Standing	2 x FNQ50A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,709.00</b>
		Cassette	3 x FCQG35F	1 x BRC1E52	1 x KHRQ127H	<b>£3,476.00</b>
		600 x 600 Fully Flat Cassette	3 x FFQ35F	1 x BRC1E52	1 x KHRQ127H	<b>£3,515.00</b>
		Ceiling Suspended	3 x FHQ35C	1 x BRC1E52	1 x KHRQ127H	<b>£3,425.00</b>
	RZQSG100L8Y1 Three Phase	Ducted	3 x FBQ35D	1 x BRC1E52	1 x KHRQ127H	<b>£2,972.00</b>
		Slim Duct	3 x FDXS35F	1 x BRC1E52	1 x KHRQ127H	<b>£2,750.00</b>
		Concealed Floor Standing	3 x FNQ35A	1 x BRC1E52	1 x KHRQ127H	<b>£2,936.00</b>
		Cassette	3 x FCQG35F	1 x BRC1E52	1 x KHRQ127H	<b>£3,546.00</b>
		600 x 600 Fully Flat Cassette	3 x FFQ35F	1 x BRC1E52	1 x KHRQ127H	<b>£3,585.00</b>
		Ceiling Suspended	3 x FHQ35C	1 x BRC1E52	1 x KHRQ127H	<b>£3,495.00</b>
		Ducted	3 x FBQ35D	1 x BRC1E52	1 x KHRQ127H	<b>£3,042.00</b>
		Slim Duct	3 x FDXS35F	1 x BRC1E52	1 x KHRQ127H	<b>£2,820.00</b>
		Concealed Floor Standing	3 x FNQ35A	1 x BRC1E52	1 x KHRQ127H	<b>£3,006.00</b>
12kW Twin	RZQSG125L9V1 Single Phase	Cassette	2 x FCQG60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,105.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,237.00</b>
		Ceiling Suspended	2 x FHQ60C	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,203.00</b>
		Ducted	2 x FBQ60D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,819.00</b>
		Slim Duct	2 x FDXS60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,667.00</b>
	RZQSG125L8Y1 Three Phase	Concealed Floor Standing	2 x FNQ60A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,911.00</b>
		Cassette	2 x FCQG60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,182.00</b>
		600 x 600 Fully Flat Cassette	2 x FFQ60F	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,314.00</b>
		Ceiling Suspended	2 x FHQ60C	1 x BRC1E52	1 x KHRQ22M20T	<b>£3,280.00</b>
		Ducted	2 x FBQ60D	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,896.00</b>
Concealed Floor Standing	2 x FNQ60A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,744.00</b>		
Concealed Floor Standing	2 x FNQ60A	1 x BRC1E52	1 x KHRQ22M20T	<b>£2,988.00</b>		

	Outdoor	Indoor Type	Material	Remote	Refnet	System Price
12kW Triple	RZQSG125L9V1 Single Phase	Cassette	3 x FCQG50F	1 x BRC1E52	1 x KHRQ127H	£3,676.00
		600 x 600 Fully Flat Cassette	3 x FFQ50F	1 x BRC1E52	1 x KHRQ127H	£3,877.00
		Ceiling Suspended	3 x FHQ50C	1 x BRC1E52	1 x KHRQ127H	£3,745.00
		Ducted	3 x FBQ50D	1 x BRC1E52	1 x KHRQ127H	£3,202.00
		Slim Duct	3 x FDXS50F	1 x BRC1E52	1 x KHRQ127H	£3,010.00
	Concealed Floor Standing	3 x FNQ50A	1 x BRC1E52	1 x KHRQ127H	£3,337.00	
	RZQSG125L8Y1 Three Phase	Cassette	3 x FCQG50F	1 x BRC1E52	1 x KHRQ127H	£3,753.00
		600 x 600 Fully Flat Cassette	3 x FFQ50F	1 x BRC1E52	1 x KHRQ127H	£3,954.00
		Ceiling Suspended	3 x FHQ50C	1 x BRC1E52	1 x KHRQ127H	£3,822.00
		Ducted	3 x FBQ50D	1 x BRC1E52	1 x KHRQ127H	£3,279.00
Slim Duct		3 x FDXS50F	1 x BRC1E52	1 x KHRQ127H	£3,087.00	
Concealed Floor Standing	3 x FNQ50A	1 x BRC1E52	1 x KHRQ127H	£3,414.00		
12kW Double Twin	RZQSG125L9V1 Single Phase	Cassette	4 x FCQG35F	1 x BRC1E52	3 x KHRQ22M20T	£4,257.00
		600 x 600 Fully Flat Cassette	4 x FFQ35F	1 x BRC1E52	3 x KHRQ22M20T	£4,309.00
		Ceiling Suspended	4 x FHQ35C	1 x BRC1E52	3 x KHRQ22M20T	£4,189.00
		Ducted	4 x FBQ35D	1 x BRC1E52	3 x KHRQ22M20T	£3,585.00
		Slim Duct	4 x FDXS35F	1 x BRC1E52	3 x KHRQ22M20T	£3,289.00
	Concealed Floor Standing	4 x FNQ35A	1 x BRC1E52	3 x KHRQ22M20T	£3,537.00	
	RZQSG125L8Y1 Three Phase	Cassette	4 x FCQG35F	1 x BRC1E52	3 x KHRQ22M20T	£4,334.00
		600 x 600 Fully Flat Cassette	4 x FFQ35F	1 x BRC1E52	3 x KHRQ22M20T	£4,386.00
		Ceiling Suspended	4 x FHQ35C	1 x BRC1E52	3 x KHRQ22M20T	£4,266.00
		Ducted	4 x FBQ35D	1 x BRC1E52	3 x KHRQ22M20T	£3,662.00
Slim Duct		4 x FDXS35F	1 x BRC1E52	3 x KHRQ22M20T	£3,366.00	
Concealed Floor Standing	4 x FNQ35A	1 x BRC1E52	3 x KHRQ22M20T	£3,614.00		
14kW Twin	RZQSG140L9V1 Single Phase	Cassette	2 x FCQG71F	1 x BRC1E52	1 x KHRQ22M20T	£3,428.00
		Hi-COP Cassette	2 x FCQHG71F	1 x BRC1E52	1 x KHRQ22M20T	£3,428.00
		Under Ceiling Cassette	2 x FUQ71F	1 x BRC1E52	1 x KHRQ22M20T	£3,568.00
		Wall Mount	2 x FAQ71CB	1 x BRC1E52	1 x KHRQ22M20T	£3,352.00
		Ceiling Suspended	2 x FHQ71C	1 x BRC1E52	1 x KHRQ22M20T	£3,706.00
	Ducted	2 x FBQ71D	1 x BRC1E52	1 x KHRQ22M20T	£3,574.00	
	RZQSG140LY1 Three Phase	Cassette	2 x FCQG71F	1 x BRC1E52	1 x KHRQ22M20T	£3,529.00
		Hi-COP Cassette	2 x FCQHG71F	1 x BRC1E52	1 x KHRQ22M20T	£3,529.00
		Under Ceiling Cassette	2 x FUQ71F	1 x BRC1E52	1 x KHRQ22M20T	£3,669.00
		Wall Mount	2 x FAQ71CB	1 x BRC1E52	1 x KHRQ22M20T	£3,453.00
Ceiling Suspended		2 x FHQ71C	1 x BRC1E52	1 x KHRQ22M20T	£3,807.00	
Ducted	2 x FBQ71D	1 x BRC1E52	1 x KHRQ22M20T	£3,675.00		
14kW Triple	RZQSG140L9V1 Single Phase	Cassette	3 x FCQG50F	1 x BRC1E52	1 x KHRQ127H	£3,911.00
		600 x 600 Fully Flat Cassette	3 x FFQ50F	1 x BRC1E52	1 x KHRQ127H	£4,112.00
		Ceiling Suspended	3 x FHQ50C	1 x BRC1E52	1 x KHRQ127H	£3,980.00
		Ducted	3 x FBQ50D	1 x BRC1E52	1 x KHRQ127H	£3,437.00
		Slim Duct	3 x FDXS50F	1 x BRC1E52	1 x KHRQ127H	£3,245.00
	Concealed Floor Standing	3 x FNQ50A	1 x BRC1E52	1 x KHRQ127H	£3,572.00	
	RZQSG140LY1 Three Phase	Cassette	3 x FCQG50F	1 x BRC1E52	1 x KHRQ127H	£4,012.00
		600 x 600 Fully Flat Cassette	3 x FFQ50F	1 x BRC1E52	1 x KHRQ127H	£4,213.00
		Ceiling Suspended	3 x FHQ50C	1 x BRC1E52	1 x KHRQ127H	£4,081.00
		Ducted	3 x FBQ50D	1 x BRC1E52	1 x KHRQ127H	£3,538.00
Slim Duct		3 x FDXS50F	1 x BRC1E52	1 x KHRQ127H	£3,346.00	
Concealed Floor Standing	3 x FNQ50A	1 x BRC1E52	1 x KHRQ127H	£3,673.00		
14kW Double Twin	RZQSG140L9V1 Single Phase	Cassette	4 x FCQG35F	1 x BRC1E52	3 x KHRQ22M20T	£4,492.00
		600 x 600 Fully Flat Cassette	4 x FFQ35F	1 x BRC1E52	3 x KHRQ22M20T	£4,544.00
		Ceiling Suspended	4 x FHQ35C	1 x BRC1E52	3 x KHRQ22M20T	£4,424.00
		Ducted	4 x FBQ35D	1 x BRC1E52	3 x KHRQ22M20T	£3,820.00
		Slim Duct	4 x FDXS35F	1 x BRC1E52	3 x KHRQ22M20T	£3,524.00
	Concealed Floor Standing	4 x FNQ35A	1 x BRC1E52	3 x KHRQ22M20T	£3,772.00	
	RZQSG140LY1 Three Phase	Cassette	4 x FCQG35F	1 x BRC1E52	3 x KHRQ22M20T	£4,593.00
		600 x 600 Fully Flat Cassette	4 x FFQ35F	1 x BRC1E52	3 x KHRQ22M20T	£4,645.00
		Ceiling Suspended	4 x FHQ35C	1 x BRC1E52	3 x KHRQ22M20T	£4,525.00
		Ducted	4 x FBQ35D	1 x BRC1E52	3 x KHRQ22M20T	£3,921.00
Slim Duct		4 x FDXS35F	1 x BRC1E52	3 x KHRQ22M20T	£3,625.00	
Concealed Floor Standing	4 x FNQ35A	1 x BRC1E52	3 x KHRQ22M20T	£3,873.00		

### Accessories:

Accessory Ref	Description	Trade Price
KHRQ22M20T	R410A 2 Pipe Refnet Joint	£29.00
KHRQ127H	Triple Refnet Joint - RZQ571~140, RZQ100~140	£65.00
KHRQ250H7	Triple Refnet Joint - RZQ200~250	£81.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
K.CWB140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£46.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£59.00
K.CGM	Condensing Unit Guard size 42-71	£296.00
K.CGL	Condensing Unit Guard size 100-140 including RXYSQ	£354.00

### Notes:

- i) Accessories for fan coils and condensing units - refer to pair system pages

### Maximum Fuse size for Twin, Triple and Double Twin Outdoor Units

Outdoor Units	Power	71	100	125	140	200	250
RZQG & RZQSG	Single Phase	20 amp	32 amp	32 amp	32 amp	-	-
	Three Phase	16 amp	20 amp	20 amp	20 amp	-	-
RZQ-C	Three Phase	-	-	-	-	20amp	20amp

### Note:

Max fuse size based on current price list series indoor units. Refer to data-book for more details.



R-410A

# Infrastructure Cooling

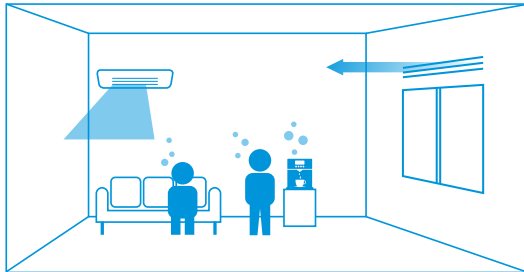
Server rooms & IT applications have some key differences to comfort cooling applications.

Daikin has developed specific infrastructure cooling equipment to ensure efficient, reliable 24 hour cooling – now with ErP compliant Energy Labels.



## Comfort cooling

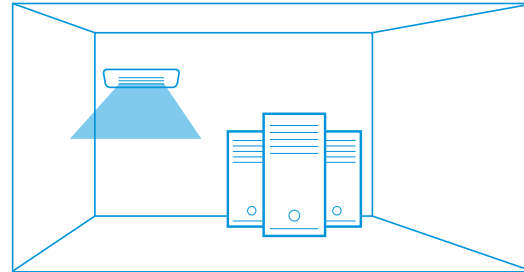
- Humidity is present
- Balanced sensible and latent capacity



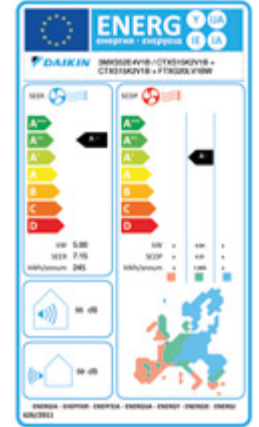
- > 60-70% temperature control
- > 30-40% humidity control

## Infrastructure cooling

- No or limited humidity
- Pure sensible capacity



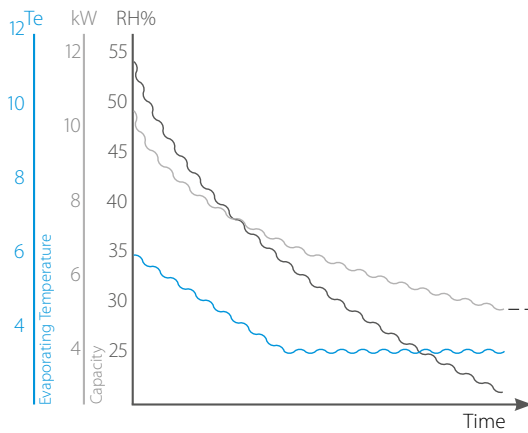
- > 80-90% temperature control
- > 10-20% humidity control



## How do comfort systems perform in infrastructure cooling applications?

### TRADITIONAL SOLUTION

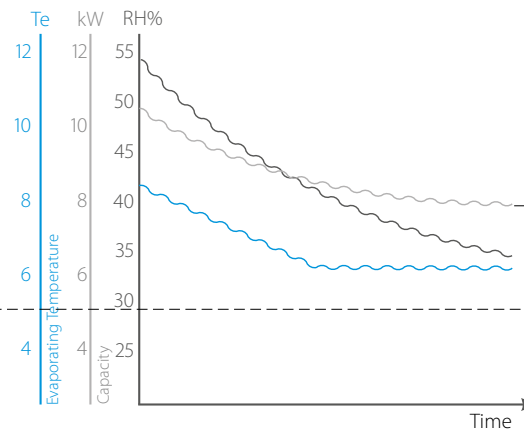
Symmetric indoor-outdoor system combination



- Relative Humidity: ■ reduces over time
- Capacity: ■ reduced
- Evaporating temp: ■ drops to compensate reduced capacity
- too low Te can lead to freeze-up prevention, causing system downtime

### DEDICATED SOLUTION

Boosted capacity indoor system combination



### improved solution

- 👍 Boosted capacity indoors increase the heat transfer capacity at low relative humidity
- 👍 Allows the system to operate with higher Te, guaranteeing continuous operation and reducing unwanted dehumidification

Between 20-40% sensible capacity increase

## Infrastructure cooling systems, with larger capacity indoor units can deliver higher sensible capacities

	Comfort Cooling	Infrastructure Cooling	Comfort Cooling	Infrastructure Cooling	Comfort Cooling	Infrastructure Cooling
Nominal Capacity	6.8kW	6.8kW	9.5kW	9.5kW	13.5kW	12.0kW
Comfort Cooling Pairing	71 / 71	71 / 100	100 / 100	100 / 140	125 / 125	125 / 140
Indoor	FAQ71C9	FAQ100C9	FHQ100CB	FHQ140CB	FHQ125CB	FHQ140CB
Outdoor	RZQG71L9V1	RZQG71L9V1	RZQG100L9V1	RZQG100L9V1	RZQG125L9V1	RZQG125L9V1
22°C set point / 11C WB (35% RH) <25°C ambient						
Total Capacity / Sensible Capacity	n/a	6.02 / 6.02	n/a	7.48 / 7.48	n/a	9.34 / 9.34
Sensible Ratio	n/a	100%	n/a	100%	n/a	100%
22°C Set point / 16 WB (54% RH) 30°C ambient						
Total Capacity / Sensible Capacity	7.76 / 5.32	7.8 / 5.71	10.8 / 7.44	9.70 / 7.54	13.6 / 9.3	12.12 / 9.00
Sensible Ratio	69%	73%	69%	78%	68%	74%

Daikin's infrastructure cooling solution can deliver pure sensible capacity in low relative humidity applications.

The solution uses indoor units of larger capacity than outdoor units, all with ErP Energy Labels.

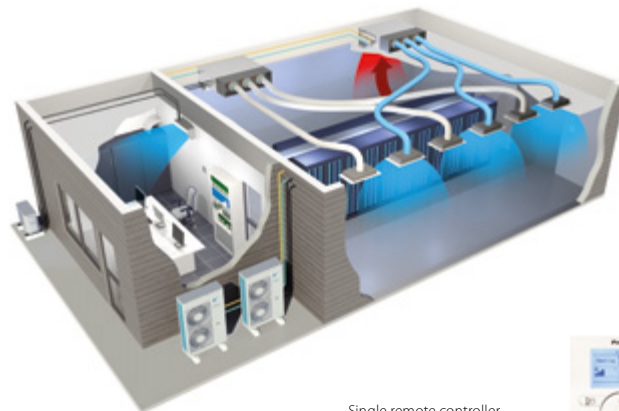
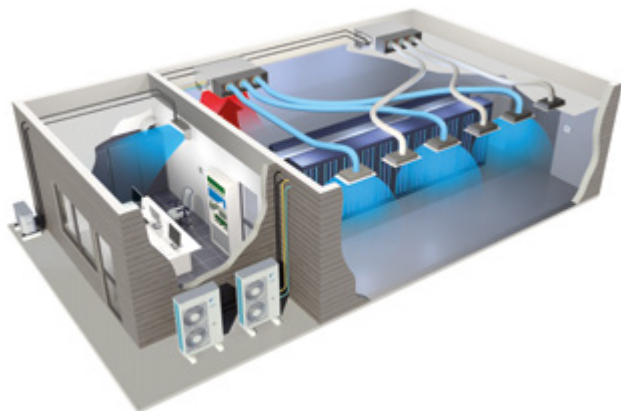
To make selection simple, tables are available showing total & sensible capacity at:

- > Ambient range in cooling from -15°C to +40°C
- > Dry build temperature range from 16°C to 27°C
- > Wet bulb temperature range from 11°C to 16°C

For selection advice & capacity tables, please talk to your local Daikin office.

# Sky Air – Duty Rotation

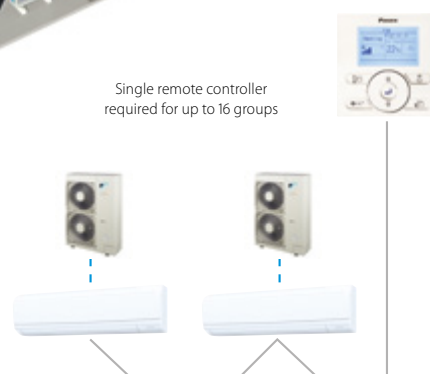
In a infrastructure cooling application, it is normal to have a standby air conditioning unit(s). The standby unit will automatically operate in the event of a fault with one of the duty units. It is also normal to rotate the operation of the duty and standby units to ensure equal use of all units.



## **NEW** BRC1E53A Remote Controller

Daikins' latest generation of hard wired remote controller now supports automatic duty rotation and standby operation on fault.

- > One controller for up to 16 systems
- > Programmable duty rotation changeover period
- > Automatic operation of standby unit on fault

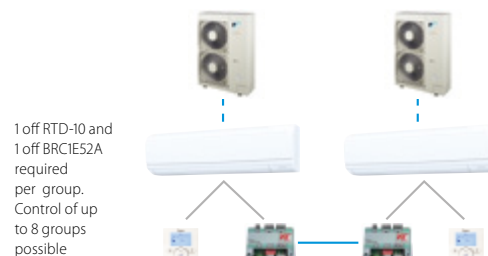


Model	Description	Related Fan Coil	Trade Price
BRC1E53A	Premium wired remote controller with duty rotation function	FBQ-D, FAQ-C9, FHQ-CB	£80.00

## RTD-10 Interface

A single interface per group to carry out automatic duty rotation and standby operation on fault or high temperature.

- > Programmable duty rotation changeover period
- > Automatic operation of standby unit on fault and fixed high temperature
- > Dual level alarm volt free contact output



Model	Description	Related Fan Coil	Trade Price
RTD-10	Control interface with duty rotation function	All units with P1/P2 interface*	£210.00

## Automatic Changeover

A single control panel to carry out automatic duty rotation and standby operation on fault or high temperature.

- > 24hr duty rotation changeover period
- > Automatic operation of standby unit on fault and adjustable high temperature
- > Visual indication of unit status
- > Fire alarm & condense pump interlocks
- > Volt free contact alarm output
- > Built-in remote controllers and interface PCBs



Model	Description	Related Fan Coil	Trade Price
UK.PANEL 2SKYAIR	Changeover panel for 2 SkyAir systems	All units with P1/P2 interface*	£1,731.00
UK.PANEL 3SKYAIR	Changeover panel for 3 SkyAir systems	All units with P1/P2 interface*	£2,003.00
UK.PANEL 4SKYAIR	Changeover panel for 4 SkyAir systems	All units with P1/P2 interface*	£3,225.00

\* All SkyAir units, all VRV units and some Split units. For Split units check exact unit specification for compatibility



**R-410A**

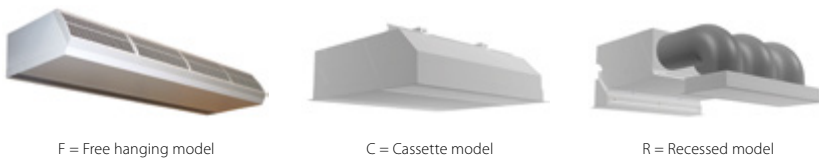
CYQS/M/L - DK - F/C/R

# Air curtains are the ideal solution to combat the issue of climate separation across retail outlets or office doorways.

In conjunction with Biddle, Daikin ERQ heat pump air curtain solution combines the benefits of the Biddle air curtain technology with the benefits of Daikin ERQ heat pump inverter technology.

Using a combination of rectifier technology, air velocity and temperature control, Daikin ERQ heat pump air curtains deliver greater comfort to staff and customers alike, all year round, in all weathers.

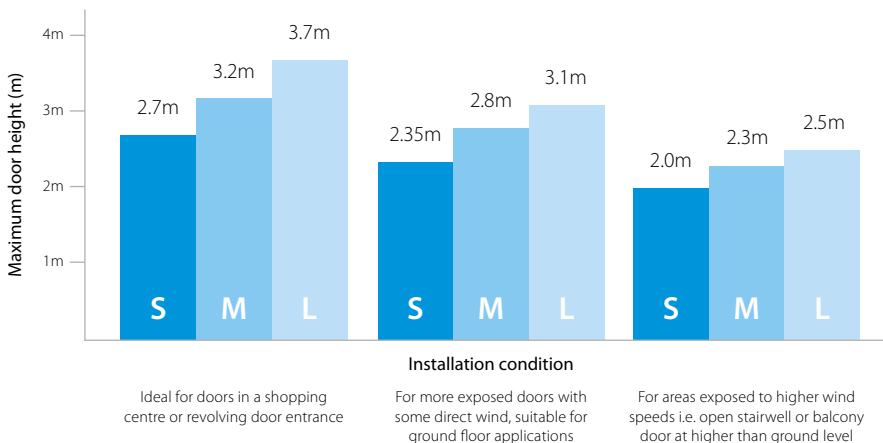
**BIDDLE AIR CURTAINS & ERQ PAIRS ARE LISTED ON ECA –**  
**For product listing refer to: <https://etl.decc.gov.uk/etl/site/etl.html>**



**Features and benefits:**

- > Energy savings up to 72% compared with electric air curtains
- > Short payback times – less than 1.5 years
- > Wide capacity range for maximum application potential plus flexible control options
- > R-410A refrigerant, single and 3 phase
- > Wide operation range: -20~15.5°C in heating
- > Air curtain rectifier technology – deep penetrating airstream
- > Constant air velocity technology – all year round efficiency
- > European patent
- > 1.0, 1.5, 2.0 and 2.5 metre door widths
- > Door heights of up to 3.7 metres
- > Choice of colour RAL9010:White or RAL9006:Grey

## Biddle Comfort air curtain range



## Selection

- 1) Use the Door Height graph to determine the Air Curtain size relevant to your application
- 2) When you know the size (S/M/L), refer to specific tables to select the model for your required door width
- 3) Select outdoor unit to pair door curtain, based on efficiency and power source

### S Biddle Standard Air Curtain (Small) – Door height 2m to 2.7m

Maximum Door Width	m	1.50			2.00			2.50		
		2.7 / 2.0			2.7 / 2.0			2.7 / 2.0		
Mounting Height *2 Max / Min	m	CYQS150DK80*BN			CYQS200DK100*BN			CYQS250DK140*BN		
Model Name	Type	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R
Heating Capacity	speed 3 kW	9.00			11.60			16.20		
Delta T	Inlet = room temperature speed 3 °K	15			15			16		
Power Input (50Hz)	Fan only / Heating kW	0.35 / 0.35			0.46 / 0.46			0.58 / 0.58		
Dimensions	Height mm	270	270	270	270	270	270	270	270	270
	Width mm	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548
	Depth mm	590	821	561	590	821	561	590	821	561
Weight	kg	66	83	88	83	102	108	107	129	137
Casing	Colour	white RAL9010			white RAL9010			white RAL9010		
Minimum requiring ceiling void	mm	420			420			420		
Fan - Air Flow Rate	Heating speed 3 m³/sec	0.485			0.647			0.808		
Sound Pressure	Heating speed 3 dBA	49			50			51		
Refrigerant	Type	R-410A			R-410A			R-410A		
Piping Connections	Liquid (OD) / Gas inch (mm)	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 3/4 (19)		
Power Supply	Phase / Hz / V	1 / 50 / 230			1 / 50 / 230			1 / 50 / 230		
<b>Trade Unit Price</b>		<b>£2,908.00</b>	<b>£2,908.00</b>	<b>£3,065.00</b>	<b>£3,538.00</b>	<b>£3,538.00</b>	<b>£3,836.00</b>	<b>£3,972.00</b>	<b>£3,972.00</b>	<b>£4,299.00</b>

\* 2: Mounting Height at base of Door Curtain Air Outlet. F = Free Hanging / C = Cassette / R = Recessed

Condensing Unit Selection for Small Door Curtain			
Standard Efficiency	ERQ100AV1	ERQ100 AV1	ERQ125AV1 / AW1
Improved Efficiency			ERQ140AV1
High Efficiency			ERQ200AV1

## M Biddle Standard Air Curtain (Medium) – Door height 2.3m to 3.2m

Maximum Door Width		1.00			1.50			2.00			2.5		
Mounting Height *2 Max / Min		3.2 / 2.3			3.2 / 2.3			3.2 / 2.3			3.2 / 2.3		
Model Name		CYQM100DK80*BN			CYQM150DK80*BN			CYQM200DK100*BN			CYQM250DK140*BN		
Type		* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R
Heating Capacity	speed 3 kW	9.20			11.00			13.40			19.90		
Delta T	Inlet = room temperature speed 3 °K	17			14			13			15		
Power Input (50Hz)	Fan only / Heating kW	0.37 / 0.37			0.56 / 0.56			0.75 / 0.75			0.94 / 0.94		
Dimensions	Height	270	270	270	270	270	270	270	270	270	270	270	270
	Width	1,000	1,000	1,048	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548
	Depth	590	821	561	590	821	561	590	821	561	590	821	561
Weight	kg	57	68	66	73	88	93	94	111	117	108	136	144
Casing	Colour	white RAL9010			white RAL9010			white RAL9010			white RAL9010		
Minimum requiring ceiling void	mm	420			420			420			420		
Fan - Air Flow Rate	Heating speed 3 m³/sec	0.446			0.669			0.892			1.115		
Sound Pressure	Heating speed 3 dBA	50			51			53			54		
Refrigerant	Type	R-410A			R-410A			R-410A			R-410A		
Piping Connections	Liquid (OD) / Gas inch (mm)	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 3/4 (19)		
Power Supply	Phase / Hz / V	1 / 50 / 230			1 / 50 / 230			1 / 50 / 230			1 / 50 / 230		
<b>Trade Unit Price</b>		<b>£2,820.00</b>	<b>£2,820.00</b>	<b>£2,910.00</b>	<b>£3,360.00</b>	<b>£3,360.00</b>	<b>£3,515.00</b>	<b>£4,207.00</b>	<b>£4,207.00</b>	<b>£4,504.00</b>	<b>£4,816.00</b>	<b>£4,816.00</b>	<b>£5,137.00</b>

\* 2: Mounting Height at base of Door Curtain Air Outlet. F = Free Hanging / C = Cassette / R = Recessed

### Condensing Unit Selection form Medium Door Curtain

Standard Efficiency	ERQ100AV1	ERQ100AV1	ERQ100AV1	ERQ200AW1
Improved Efficiency			ERQ125AV1 / AW1	ERQ250AW1
High Efficiency			ERQ140AV1	

## L Biddle Standard Air Curtain (Large) – Door height 2.5m to 3.7m

Maximum Door Width		1.00			1.50			2.00			2.5		
Mounting Height *2 Max / Min		3.7 / 2.5			3.7 / 2.5			3.7 / 2.5			3.7 / 2.5		
Model Name		CYQL100DK125*BN			CYQL150DK200*BN			CYQL200DK250*BN			CYQL250DK250*BN		
Type		* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R
Heating Capacity	speed 3 kW	15.60			23.30			29.40			31.10		
Delta T	Inlet = room temperature speed 3 °K	15			15			14			12		
Power Input (50Hz)	Fan only / Heating kW	0.75 / 0.75			1.13 / 1.13			1.50 / 1.50			1.88 / 1.88		
Dimensions	Height	370	370	370	370	370	370	370	370	370	370	370	370
	Width	1,000	1,000	1,048	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548
	Depth	774	1105	745	774	1105	745	774	1105	745	774	1105	745
Weight	kg	76	81	83	100	118	141	126	151	155	157	190	196
Casing	Colour	white RAL9010			white RAL9010			white RAL9010			white RAL9010		
Minimum requiring ceiling void	mm	520			520			520			520		
Fan - Air Flow Rate	Heating speed 3 m³/sec	0.861			1.292			1.722			2.153		
Sound Pressure	Heating speed 3 dBA	53			54			56			57		
Refrigerant	Type	R-410A			R-410A			R-410A			R-410A		
Piping Connections	Liquid (OD) / Gas inch (mm)	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 3/4 (19)			3/8 (9.5) / 7/8 (22.2)			3/8 (9.5) / 7/8 (22.2)		
Power Supply	Phase / Hz / V	1 / 50 / 230			1 / 50 / 230			1 / 50 / 230			1 / 50 / 230		
<b>Trade Unit Price</b>		<b>£3,217.00</b>	<b>£3,217.00</b>	<b>£3,226.00</b>	<b>£4,589.00</b>	<b>£4,589.00</b>	<b>£4,737.00</b>	<b>£5,697.00</b>	<b>£5,697.00</b>	<b>£5,993.00</b>	<b>£6,649.00</b>	<b>£6,649.00</b>	<b>£7,016.00</b>

\* 2: Mounting Height at base of Door Curtain Air Outlet. F = Free Hanging / C = Cassette / R = Recessed

### Condensing Unit Selection for Large Door Curtain

Standard Efficiency	ERQ125AV1 / AW1	ERQ200AW1		ERQ250AW1	ERQ250AW1
Improved Efficiency	ERQ140AV1	ERQ250AW1			
High Efficiency	ERQ200AW1				

## ERQ Condensing Units

		Single Phase			3 Phase		
		ERQ100AV1	ERQ125AV1	ERQ140AV1	ERQ125AW1	ERQ200AW1	ERQ250AW1
Dimensions	Height	mm	1345	1345	1345	1680	1680
	Width	mm	900	900	900	635	930
	Depth	mm	320	320	320	765	765
Weight	kg	120	120	120	159	187	240
Pipe Run	m	55	55	55	55	55	55
Airflow Direction		Side blow	Side blow	Side blow	Top blow	Top blow	Top blow
<b>Trade Unit Price</b>		<b>£1,533.00</b>	<b>£1,709.00</b>	<b>£2,049.00</b>	<b>£1,743.00</b>	<b>£3,009.00</b>	<b>£3,135.00</b>

### Accessories for all Door Curtains

Accessory Ref	Description	Trade Price
BRC1E52A	Premium wired remote controller with full text menu, Energy features and 7 Day Time Clock	<b>£76.00</b>
KRCS01-1	Remote room mounted temperature sensor	<b>£46.00</b>
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	<b>£251.00</b>

### Notes:

i) To calculate the price for a complete system, add together the prices for door curtain, ERQ and remote controller.

1 off	CYQL100DK125FBN	£4,021.00
1 off	ERQ125AV1	£1,709.00
1 off	BRC1E52	£76.00
<b>Total</b>		<b>£5,806.00</b>

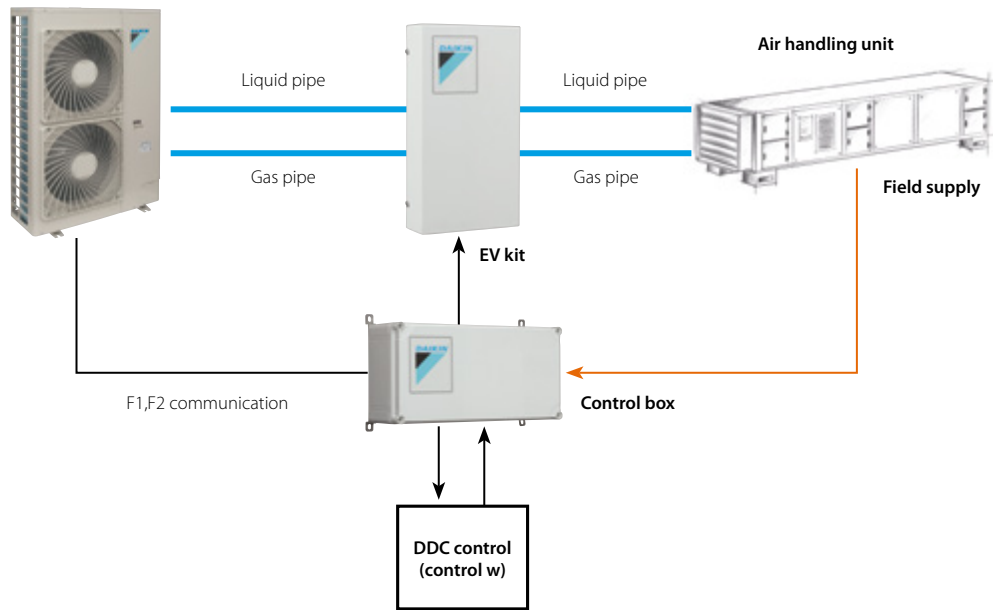
**R-410A**

# Central Ducted Solutions

For central ducted distribution systems Daikin has the solution for providing cooling and heating of the air, enabling optimal comfort and efficiency.

Even without the benefit of individual room control, the system can provide a flexible energy saving answer over traditional methods through the incorporation of inverter control and heat pump technology.

The following pages include Packaged Heat Pump Rooftop systems, with optional economisers, to heat pump condensing units and connection kits for use with other manufacturers heating and cooling coils.



**R-410A**

## Air Cooled Heat Pump Inverter Condensing Unit Kit for DX Coil

**A range of R410A inverter condensing units for application with air handling units:**

- > Inverter controlled heat pump units
- > Large capacity range (from 6.3 to 61.6 kW)
- > Ventilation and air conditioning in 1 solution
- > EKEXV-kit & control boxes are designed for outdoor installation and can be wall mounted
- > Per EKEXV-kit/control box, only 1 air handling unit coil can be connected
- > Outdoor unit operation range: -5°CDB ~ 43°CDB in cooling
- > For connectivity to VRV IV systems, please consult with your local Daikin representative

**Flexible control possibilities:**

**Control w:**

Full external control from 3rd party temperature controller with volt free remote enable contact and linear variable capacity control output (3rd party DDC Controller required).

**Control y:**

External control from 3rd party temperature controller with volt free remote enable contact. Fixed evaporating temperature selection, range: +3°C to +10°C.

**Control z (BRC1D52 required):**

Control via Daikin BRC1D52 remote controller and return air or remote sensor (KRCS01-1 optional). A volt free remote enable contact is required to confirm fan operation status. For re-circ applications only.

Outdoor unit	Trade Unit Price	Control box			Expansion Valve Kit									
		control z EKEQDCB	control y, w EKEQFCBA	control y, w EKEQMCBA	class 63 EKEXV63	class 80 EKEXV80	class 100 EKEXV100	class 125 EKEXV125	class 140 EKEXV140	class 200 EKEXV200	class 250 EKEXV250	class 400 EKEXV400	class 500 EKEXV500	
1ph ERQ100AV1	£1,533.00	P	P	VRV only	P	P	P	P	-	-	-	VRV only	VRV only	
ERQ125AV1	£1,709.00	P	P		P	P	P	P	P	-	-			
ERQ140AV1	£2,049.00	P	P		-	P	P	P	P	-	-			
3ph ERQ125AW1	£1,743.00	P	P		P	P	P	P	P	-	-			
ERQ200AW1	£3,271.00	P	P		-	-	P	P	P	P	P			
ERQ250AW1	£3,408.00	P	P		-	-	-	P	P	P	P			
<b>Trade Acc. Price</b>		<b>£313.00</b>	<b>£361.00</b>	<b>£557.00</b>	<b>£70.00</b>	<b>£72.00</b>	<b>£79.00</b>	<b>£86.00</b>	<b>£99.00</b>	<b>£118.00</b>	<b>£132.00</b>	<b>£146.00</b>	<b>£160.00</b>	

P: Pair Combination depending on air handling units coils volume

For all AHU application selections with ERQ and VRV systems, please consult with a member of Daikin staff to ensure correct selection and AHU coil design parameters.

ERAD-E

# Large Condensing Units



			Large Condensing Unit (Standard Noise Level)									
			ERAD120E-SS	ERAD140E-SS	ERAD170E-SS	ERAD200E-SS	ERAD220E-SS	ERAD250E-SS	ERAD310E-SS	ERAD370E-SS	ERAD440E-SS	ERAD490E-SS
Capacity	Nominal Cooling	kW	121	144	165	196	219	252	306	370	435	488
EER			2.89	2.82	2.87	3.01	2.97	3.29	3.3	3.03	2.96	3.03
Refrigerant			R134a									
Dimensions	Length	mm	2170	2170	3070	3070	3070	3070	3070	3070	3070	3070
	Height	mm	2.27	2.27	2.27	2.27	2.27	2.27	2.220	2.220	2.220	2.220
	Width	mm	1290	1290	1290	1290	1290	1290	2240	2240	2240	2240
Weight		kg	1564	1587	1698	1739	1886	1928	2355	2559	2642	2677
Electrical Details	Power Supply	V	400									
		Hz	50									
		ph	3									

<b>Trade Unit Price</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>
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			Large Condensing Unit (Low Noise Level)									
			ERAD120E-SL	ERAD140E-SL	ERAD160E-SL	ERAD190E-SL	ERAD210E-SL	ERAD240E-SL	ERAD300E-SL	ERAD350E-SL	ERAD410E-SL	ERAD460E-SL
Capacity	Nominal Cooling	kW	116	137	159	187	209	243	295	352	409	462
EER			2.74	2.61	2.76	2.82	2.83	3.11	3.22	2.88	2.72	2.76
Refrigerant			R134a									
Dimensions	Length	mm	2170	2170	3070	3070	3070	3070	3070	3070	3070	3070
	Height	mm	2.27	2.27	2.27	2.27	2.27	2.27	2.220	2.220	2.220	2.220
	Width	mm	1290	1290	1290	1290	1290	1290	2240	2240	2240	2240
Weight		kg	1712	1738	1851	1897	2046	2091	2534	2741	2834	2873
Electrical Details	Power Supply	V	400									
		Hz	50									
		ph	3									

<b>Trade Unit Price</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>	<b>POA</b>
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Features:

ERAD-E are a range of cooling only R134a condensing units for pair application with air handling units

- > Large capacity range 100 kW to 410 kW
- > Superior control logic using the new MicroTech III controller

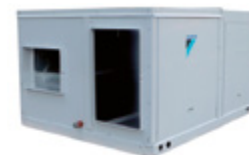
- > Single circuit units
- > Screw compressor with capacity control down to 25%
- > Available in both standard and low noise configurations

**Please contact your sales office for further information on these products**

**R-410A R-407C**

UATYQ

# Rooftop Packaged Unit – Heat Pump



			UATYQ250CY1	UATYQ350CY1	UATYQ450CY1	UATYQ550CY1	UATYQ600CY1	UATYQ700CY1	UATYPC10AY1	UATYPC12AY1	
Capacity	Nominal Cooling	kW	27.34	35.58	44.72	55.69	66.82	72.60	101.10	109.60	
	Nominal Heating	kW	24.91	34.79	41.79	53.93	61.69	69.61	102.30	126.30	
Dimensions	Height	mm	1150	1028	1130	1048	1302	1302	1974	1974	
	Width	mm	1638	2209	2209	2209	2209	2209	2252	2252	
	Depth	mm	2063	2113	2113	2670	2670	2670	3180	3180	
Weight		kg	445	580	610	830	880	1020	1510	1600	
Air Flow Rate	Indoor	m³/sec	1.55	2.03	2.67	3.167	3.417	3.883	5.20	5.90	
External Static	Indoor	Pa	147	147	147	206	206	206	-	-	
Air Flow Rate	Outdoor	m³/sec	0	0	0	0	0	0	0	0	
Refrigerant			R410A						R407C		
Sound Power Level	Outdoor	dB(A)	82	83	83	87	90	90	80	80	
Drain size		mm	25.4 (OD)								
Electrical Details	Power Supply	V	400								
		Hz	50								
		Phase	3ph								
		Running Current	A	20.5	26.4	33.1	39.4	41.6	46.5	74.2	82.9
Starting Current	A	118	93	123	137	144	148	175, 215	215x2		
Max Fuse Size	A	32	40	40	50	50	50	50	125	125	
<b>Trade Unit Price</b>			<b>£5,027.00</b>	<b>£5,234.00</b>	<b>£8,612.00</b>	<b>£9,476.00</b>	<b>£10,190.00</b>	<b>£10,904.00</b>	<b>£14,559.00</b>	<b>£15,816.00</b>	

<b>Economiser</b>	<b>ECONO250AY1</b>	<b>ECONO350AY1</b>	<b>ECONO450AY1</b>	<b>ECONO550AY1</b>	<b>ECONO600AY1</b>	<b>ECONO700AY1</b>
<b>Trade Unit Price</b>	<b>£886.00</b>	<b>£931.00</b>	<b>£976.00</b>	<b>£1,024.00</b>	<b>£1,076.00</b>	<b>£1,129.00</b>

Notes:

- i) Minimum Ambient operating conditions
 

	Cooling	Heating
UATYQ250~700	0°C	-15°C
UATYPC10~12	20°C	-15°C
- ii) Supplied with remote controller as standard
- iii) Economiser option is supplied as a kit for site assembly
- iv) Low ambient kit for models UATYPC available on request
- v) Please check stock & delivery period for all model sizes
- vi) Standard delivery for all units does not include off-loading to kerbside
- vii) UATYQ250/350 can be off-loaded by fork-lift if there is one on site
- viii) All other units require crane or HIAB. Prices for HIAB available on request





# Daikin UK Price List 2016

## VRV

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**R-410A**

FXFQ-A



## VRV Fan Coil – Roundflow Cassette

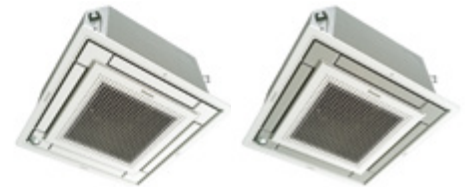
Indoor Units			FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A	
Capacity	UK Total Cooling	kW	1.80	2.30	2.90	3.60	4.50	5.70	7.20	9.00	11.30	
	UK Sensible Cooling	kW	1.60	1.90	2.60	3.00	3.60	4.60	5.80	6.90	8.60	
	Nominal Cooling	kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	
	Nominal Heating	kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00	
Air Flow Rate	High	m <sup>3</sup> /sec	0.208	0.208	0.208	0.227	0.250	0.275	0.380	0.442	0.550	
	Nom	m <sup>3</sup> /sec	0.177	0.177	0.177	0.193	0.213	0.225	0.293	0.325	0.442	
	Low	m <sup>3</sup> /sec	0.147	0.147	0.147	0.158	0.175	0.175	0.207	0.207	0.332	
Dimensions	Height x Width x Depth	mm	204x840x840						246x840x840		288x840x840	
Weight		kg	19	19	19	20	21	21	24	24	26	
Electrical Details	Running Current	amps	0.3	0.3	0.3	0.3	0.4	0.4	0.6	0.8	1.3	
	Power Supply	Phase / Hz / V	1 / 50 / 230									
	Fuse Rating	amps	5									
Decoration Panel	Model		Roundflow BYCQ140D (standard panel)									
	Colour		Pure White (RAL 9010)									
	Dimensions H x W x D	mm	50x950x950									
	Weight	kg	5.4									
Decoration Panel	Model		Roundflow with white louvres BYCQ140DW									
	Colour		Pure White (RAL 9010)									
	Dimensions H x W x D	mm	50x950x950									
	Weight	kg	5.4									
Decoration Panel	Model		Roundflow self cleaning BYCQ140DG									
	Colour		Pure White (RAL 9010)									
	Dimensions H x W x D	mm	130x950x950									
	Weight	kg	10.3									
Sound Level	Sound Pressure	High	dBA	31.0	31.0	31.0	33.0	33.0	35.0	38.0	43.0	45.0
		Nom	dBA	29.0	29.0	29.0	31.0	31.0	33.0	34.0	37.0	41.0
		Low	dBA	28.0	28.0	28.0	29.0	29.0	30.0	30.0	30.0	36.0
	Sound Power		dBA	49	49	49	51	51	53	55	60	61
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£759.00</b>	<b>£774.00</b>	<b>£792.00</b>	<b>£855.00</b>	<b>£897.00</b>	<b>£946.00</b>	<b>£1,009.00</b>	<b>£1,095.00</b>	<b>£1,365.00</b>	

### Notes:

- Cassette prices include standard decoration panel - self cleaning panel available as an accessory item
- BYCQ140D = pure white panel with grey louvers, BYCQ140DW = pure white standard panel with white louvers, BYCQ140DG = Pure white auto cleaning panel  
The BYCQ140DW has white insulations. Be informed that formations of dirt on white insulation is visibly stronger & that it is consequently not advised to install the decoration panel in environments exposed to concentrations of dirt
- For accessories please refer to pages 96 - 108

**R-410A**

FXZQ-A



## VRV Fan Coil – 600x600 Fully Flat Cassette

Indoor Units			FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A	
Capacity	UK Total Cooling	kW	1.40	1.80	2.30	2.90	3.60	4.50	
	UK Sensible Cooling	kW	1.30	1.50	1.80	2.10	2.90	3.60	
	Nominal Cooling	kW	1.70	2.20	2.80	3.60	4.50	5.60	
	Nominal Heating	kW	1.90	2.50	3.20	4.00	5.00	6.30	
Air Flow Rate	High	m <sup>3</sup> /sec	0.142	0.145	0.150	0.167	0.192	0.242	
	Nom	m <sup>3</sup> /sec	0.117	0.125	0.133	0.142	0.158	0.208	
	Low	m <sup>3</sup> /sec	0.108	0.108	0.108	0.117	0.133	0.167	
Dimensions (with Decoration Panel)	HxWxD	mm	260 (306) x 575 (620) x 575 (620)						
Weight (with Decoration Panel)		kg	15.5 (18.3)	15.5 (18.3)	15.5 (18.3)	16.5 (19.3)	16.5 (19.3)	18.5 (21.3)	
Decoration Panel			Fully Flat in white (N9.5) BYFQ60CW (standard panel)						
Dimensions		mm	46 x 620 x 620						
Weight		kg	2.8						
Decoration Panel			Fully Flat in white (N9.5) with silver BYFQ60CS (standard panel)						
Dimensions		mm	46 x 620 x 620						
Weight		kg	2.8						
Decoration Panel			Old style panel BYFQ60B3 (White RAL9010)						
Dimensions		mm	55 x 700 x 700						
Weight		kg	2.7						
Electrical Details	Running Current	amps	0.3	0.3	0.3	0.4	0.4	0.6	
	Power Supply	Phase / Hz / V	1 / 50 / 230						
	Fuse Rating	amps	5						
Sound Level	Sound Pressure	High	dBA	31.5	32.0	33.0	33.5	37.0	43.0
		Nom	dBA	29.0	29.5	30.0	30.0	32.0	40.0
		Low	dBA	25.5	25.5	25.5	26.0	28.0	33.0
	Sound Power		dBA	49	49	50	51	54	60
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	
<b>Trade Unit Price</b>			<b>£721.00</b>	<b>£737.00</b>	<b>£752.00</b>	<b>£769.00</b>	<b>£825.00</b>	<b>£906.00</b>	

### Notes:

- Cassette prices include Fully Flat decoration panel in fresh white. Other colour panels available on request.
- Dimensions include control box
- For accessories please refer to pages 96 - 108

**R-410A**

FXCQ-A

## VRV Fan Coil – 2 Way Blow Cassette



Indoor Units			FXCQ20A	FXCQ25A	FXCQ32A	FXCQ40A	FXCQ50A	FXCQ63A	FXCQ80A	FXCQ125A	
Capacity	UK Total Cooling	kW	1.8	2.3	2.9	3.6	4.5	5.7	7.2	11.3	
	UK Sensible Cooling	kW	1.7	2	2.3	2.9	3.5	4.9	5.7	8.7	
	Nominal Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0	
	Nominal Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0	
Air Flow Rate	High	m <sup>3</sup> /sec	0.175	0.192	0.192	0.200	0.250	0.267	0.433	0.533	
	Nom	m <sup>3</sup> /sec	0.150	0.158	0.158	0.175	0.217	0.233	0.375	0.458	
	Low	m <sup>3</sup> /sec	0.125	0.133	0.133	0.142	0.175	0.192	0.308	0.375	
Dimensions (with Decoration Panel)	Height	mm	305 (360)	305 (360)	305 (360)	305 (360)	305 (360)	305 (360)	305 (360)	305 (360)	
	Width	mm	775 (1070)	775 (1070)	775 (1070)	775 (1070)	990 (1285)	990 (1285)	1445 (1740)	1445 (1740)	
	Depth	mm	620 (700)	620 (700)	620 (700)	620 (700)	620 (700)	620 (700)	620 (700)	620 (700)	
Weight (with Decoration Panel)			kg	19 (29)	19 (29)	19 (29)	19 (29)	22 (33)	25 (36)	33 (46)	38 (51)
Decoration Panel			BYBCQ40H			BYBCQ63H			BYBCQ125H		
Electrical Details	Running Current	amps	0.3	0.3	0.3	0.3	0.4	0.5	0.6	1.1	
	Power Supply	Phase / Hz / V	1 / 50 / 230								
	Fuse Rating	amps	5								
Sound Level	Sound Pressure	High	dBA	32.0	34.0	34.0	36.0	37.0	39.0	42.0	46.0
		Nom	dBA	30.0	31.0	32.0	33.0	35.0	37.0	38.0	42.0
		Low	dBA	28.0	29.0	30.0	31.0	31.0	32.0	33.0	38.0
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£854.00</b>	<b>£869.00</b>	<b>£878.00</b>	<b>£970.00</b>	<b>£1,061.00</b>	<b>£1,102.00</b>	<b>£1,265.00</b>	<b>£1,518.00</b>	

### Notes:

- i) Cassette prices include decoration panel
- ii) For accessories please refer to pages 96 - 108

**R-410A**

FXKQ-MA

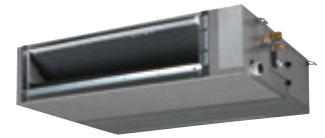
## VRV Fan Coil – 1 Way Blow Corner Cassette



Indoor Units			FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA	
Capacity	UK Total Cooling	kW	2.3	2.9	3.6	5.7	
	UK Sensible Cooling	kW	2.2	2.5	2.8	4.5	
	Nominal Cooling	kW	2.8	3.6	4.5	7.1	
	Nominal Heating	kW	3.2	4.0	5.0	8.0	
Air Flow Rate	High	m <sup>3</sup> /sec	0.183	0.183	0.217	0.300	
	Low	m <sup>3</sup> /sec	0.150	0.150	0.167	0.250	
Dimensions (with Decoration Panel)	Height	mm	215 (285)	215 (285)	215 (285)	215 (285)	
	Width	mm	1110 (1240)	1110 (1240)	1110 (1240)	1310 (1440)	
	Depth	mm	710 (800)	710 (800)	710 (800)	710 (800)	
Weight (with Decoration Panel)			kg	31 (39.5)	31 (39.5)	34 (43.5)	
Decoration Panel			BYK45F			BYK71F	
Electrical Details	Running Current	amps	0.3	0.3	0.3	0.5	
	Power Supply	Phase / Hz / V	1 / 50 / 230				
	Fuse Rating	amps	5				
Sound Level	Sound Pressure	High	dBA	38.0	38.0	40.0	42.0
		Low	dBA	33.0	33.0	34.0	37.0
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)	
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£946.00</b>	<b>£956.00</b>	<b>£1,045.00</b>	<b>£1,185.00</b>	

### Notes:

- i) Cassette prices include decoration panel
- ii) For accessories please refer to pages 96 - 108

**R-410A**

FXSQ-A

## VRV Fan Coil – Concealed Ceiling Unit (Medium Static)

Indoor Units			FXSQ15A	FXSQ20A	FXSQ25A	FXSQ32A	FXSQ40A	FXSQ50A	FXSQ63A	FXSQ80A	FXSQ100A	FXSQ125A	FXSQ140A	
Capacity	UK Total Cooling	kW	1.4	1.8	2.3	2.9	3.6	4.5	5.7	7.2	9	11.3	12.9	
	UK Sensible Cooling	kW	1.1	1.4	1.8	2.3	2.9	3.6	4.5	5.7	7.2	8.9	10.2	
	Nominal Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	9	11.2	14	16	
	Nominal Heating	kW	1.9	2.5	3.2	4	5	6.3	8	10	12.5	16	18	
Air Flow Rate	High	m <sup>3</sup> /sec	0.145	0.150	0.150	0.158	0.250	0.253	0.350	0.383	0.533	0.600	0.650	
	Nom	m <sup>3</sup> /sec	0.125	0.125	0.125	0.133	0.208	0.208	0.300	0.325	0.450	0.525	0.567	
	Low	m <sup>3</sup> /sec	0.108	0.108	0.108	0.117	0.183	0.183	0.250	0.267	0.383	0.433	0.467	
External Static Pressure	High	Pa	150	150	150	150	150	150	150	150	150	150	150	
	Low	Pa	30	30	30	30	30	30	30	40	40	50	50	
Dimensions	Height x Width x Depth	mm	245 x 550 x 800				245 x 700 x 800		245 x 1000 x 800		245 x 1400 x 800		245 x 1550 x 800	
Weight		kg	23.5	23.5	23.5	24	28.5	29	35.5	36.5	46	47	51	
Electrical Details	Running Current	amps	0.4	0.4	0.4	0.4	0.8	0.8	0.9	1	1.5	2	1.9	
	Power Supply	Phase / Hz / V	1 / 50 / 230											
	Fuse Rating	amps	5											
Sound Level	Sound Pressure	High	dBA	29.5	30.0	30.0	31.0	35.0	35.0	33.0	35.0	36.0	39.0	41.5
		Nom	dBA	28.0	28.0	28.0	29.0	32.0	32.0	30.0	32.0	34.0	36.0	38.0
		Low	dBA	25.0	25.0	25.0	26.0	29.0	29.0	27.0	29.0	31.0	33.0	34.0
	Sound Power	dBA	54.0	54.0	54.0	55.0	60.0	60.0	59.0	61.0	61.0	64.0	64.0	
Piping Connections	Liquid	inches (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	
	Gas	inches (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£580.00</b>	<b>£598.00</b>	<b>£614.00</b>	<b>£622.00</b>	<b>£662.00</b>	<b>£690.00</b>	<b>£712.00</b>	<b>£812.00</b>	<b>£900.00</b>	<b>£1,030.00</b>	<b>£1,133.00</b>	

### Notes:

- i) For accessories please refer to pages 96 - 108
- ii) Preliminary Data – May be subject to change

**R-410A**

FXMQ-P7

## Concealed Ceiling Unit (High Static)

Indoor Units			FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7	
Capacity	UK Total Cooling	kW	4.5	5.7	7.2	9	11.3	
	UK Sensible Cooling	kW	4.1	4.9	6.1	7.3	9.2	
	Nominal Cooling	kW	5.6	7.1	9	11.2	14	
	Nominal Heating	kW	6.3	8	10	12.5	16	
Air Flow Rate	High	m <sup>3</sup> /sec	0.300	0.325	0.417	0.533	0.650	
	Nom	m <sup>3</sup> /sec	0.275	0.297	0.375	0.458	0.558	
	Low	m <sup>3</sup> /sec	0.250	0.267	0.333	0.383	0.467	
External Static pressure	High	Pa	200	200	200	200	200	
	Low	Pa	100	100	100	100	100	
Dimensions	Height x Width x Depth	mm	300 x 1000 x 700			300 x 1400 x 700		
Weight		kg	35	35	35	46	46	
Electrical Details	Running Current	amps	1.4	1.4	1.7	2.3	2.9	
	Power Supply	Phase / Hz / V	1 / 50 / 230					
	Fuse Rating	amps	5					
Sound Level	Sound Pressure	High	dBA	41.0	42.0	43.0	43.0	44.0
		Nom	dBA	39.0	40.0	41.0	41.0	42.0
		Low	dBA	37.0	38.0	39.0	39.0	40.0
	Sound Power	dBA	61.0	64.0	67.0	65.0	70.0	
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	
	Gas	inch (mm)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£1,066.00</b>	<b>£1,117.00</b>	<b>£1,174.00</b>	<b>£1,301.00</b>	<b>£1,489.00</b>	

### Notes:

- i) For accessories please refer to pages 96 - 108

**R-410A**

FXDQ-A

## Slim Concealed Ceiling Unit



Indoor Units			FXDQ15A	FXDQ20A	FXDQ25A	FXDQ32A	FXDQ40A	FXDQ50A	FXDQ63A	
Capacity	UK Total Cooling	kW	1.4	1.8	2.3	2.9	3.6	4.5	5.7	
	UK Sensible Cooling	kW	1.3	1.6	1.9	2.2	2.8	3.5	4.3	
	Nominal Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	
	Nominal Heating	kW	1.9	2.5	3.2	4	5	6.3	8	
Air Flow Rate	High	m <sup>3</sup> /sec	0.125	0.133	0.133	0.133	0.175	0.208	0.275	
	Nom	m <sup>3</sup> /sec	0.117	0.120	0.120	0.120	0.158	0.183	0.242	
	Low	m <sup>3</sup> /sec	0.107	0.107	0.107	0.107	0.142	0.167	0.217	
External Static Pressure	High	Pa	30	30	30	30	44	44	44	
	Low	Pa	10	10	10	10	15	15	15	
Dimensions	Height x Width x Depth	mm	200 x 750 x 620				200 x 950 x 620			200 x 1150 x 620
Weight		kg	22	22	22	22	26	26	29	
Electrical Details	Running Current	amps	0.4	0.4	0.4	0.4	0.5	0.5	0.6	
	Power Supply	Phase / Hz / V	1 / 50 / 230							
	Fuse Rating	amps	5							
Sound Level	Sound Pressure	High	dBA	32.0	33.0	33.0	33.0	34.0	35.0	36.0
		Nom	dBA	31.0	31.0	31.0	31.0	32.0	33.0	34.0
		Low	dBA	27.0	27.0	27.0	27.0	28.0	29.0	30.0
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)	
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£562.00</b>	<b>£579.00</b>	<b>£597.00</b>	<b>£605.00</b>	<b>£644.00</b>	<b>£670.00</b>	<b>£691.00</b>	

### Notes:

- i) For accessories please refer to pages 96 - 108
- ii) Fan coils supplied as standard with factory fitted filter

**R-410A**

FXDQ-M9

## Small Concealed Ceiling Unit



Indoor Units			FXDQ20M9	FXDQ25M9
Capacity	UK Total Cooling	kW	1.8	2.3
	UK Sensible Cooling	kW	1.6	1.9
	Nominal Cooling	kW	2.2	2.8
	Nominal Heating	kW	2.5	3.2
Air Flow Rate	High	m <sup>3</sup> /sec	0.112	0.123
	Low	m <sup>3</sup> /sec	0.087	0.097
Dimensions	Height x Width x Depth	mm	230 x 652 x 502	
Weight		kg	17	17
Electrical Details	Running Current	amps	0.2	0.2
	Power Supply	Phase / Hz / V	1 / 50 / 230	
	Fuse Rating	amps	5	
Sound Level	Sound Pressure	High	dBA	37.0
		Nom	dBA	32.0
	Sound Power	dBA	50	50
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)
<b>Trade Unit Price</b>			<b>£579.00</b>	<b>£597.00</b>

### Notes:

- i) For accessories please refer to pages 96 - 108
- ii) Fan coils supplied as standard with factory fitted filter



**R-410A**

FXMQ-MB



## VRV Fan Coil – Concealed Ceiling Unit (Ultra High Static)

Indoor Units			FXMQ200MB	FXMQ250MB
Capacity	UK Total Cooling	kW	18	22.5
	UK Sensible Cooling	kW	14.9	18.5
	Nominal Cooling	kW	22.4	28
	Nominal Heating	kW	25	31.5
Air Flow Rate	High	m <sup>3</sup> /sec	0.967	1.200
	Nom	m <sup>3</sup> /sec	0.900	1.117
	Low	m <sup>3</sup> /sec	0.833	1.033
External Static pressure	High	Pa	270	270
	Nom	Pa	160	170
Dimensions	Height x Width x Depth	mm	470 x 1380 x 1100	
Weight		kg	132	132
Electrical Details	Running Current	amps	10.3	10.3
	Power Supply	Phase / Hz / V	1 / 50 / 230	
	Fuse Rating	amps	13	
Sound Level	Sound Pressure High	dBA	48.0	48.0
	Low	dBA	45.0	45.0
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)
	Gas	inch (mm)	3/4 (19)	7/8 (22.2)
<b>Trade Unit Price</b>			<b>£2,601.00</b>	<b>£2,662.00</b>

### Notes:

- i) For accessories please refer to pages 96 - 108

**R-410A**

FXAQ-P



## VRV Fan Coil – Wall Mounted

Indoor Units			FXAQ15P	FXAQ20P	FXAQ25P	FXAQ32P	FXAQ40P	FXAQ50P	FXAQ63P	
Capacity	UK Total Cooling	kW	1.4	1.8	2.3	2.9	3.6	4.5	5.7	
	UK Sensible Cooling	kW	1.4	1.8	2	2.4	3.3	3.7	4.6	
	Nominal Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	
	Nominal Heating	kW	1.9	2.5	3.2	4	5	6.3	8	
Air Flow Rate	High	m <sup>3</sup> /sec	0.117	0.125	0.133	0.142	0.200	0.250	0.317	
	Low	m <sup>3</sup> /sec	0.075	0.075	0.083	0.092	0.150	0.200	0.233	
Dimensions	Height x Width x Depth	mm	290 x 795 x 238				290 x 1050 x 238			
Weight		kg	11	11	11	11	14	14	14	
Electrical Details	Running Current	amps	0.3	0.3	0.4	0.4	0.4	0.5	0.6	
	Power Supply	Phase / Hz / V	1 / 50 / 230							
	Fuse Rating	amps	5							
Sound Level	Sound Pressure High	dBA	34.0	35.0	36.0	37.5	39.0	42.0	47.0	
	Low	dBA	29.0	29.0	29.0	29.0	34.0	36.0	39.0	
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)	
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£439.00</b>	<b>£452.00</b>	<b>£464.00</b>	<b>£469.00</b>	<b>£481.00</b>	<b>£507.00</b>	<b>£559.00</b>	

### Notes:

- i) For accessories please refer to pages 96 - 108

**R-410A**

FXHQ-A

## VRV Fan Coil – Ceiling Suspended



Indoor Units			FXHQ32A	FXHQ63A	FXHQ100A	
Capacity	UK Total Cooling	kW	2.9	5.7	9	
	UK Sensible Cooling	kW	2.3	4.4	6.3	
	Nominal Cooling	kW	3.6	7.1	11.2	
	Nominal Heating	kW	4	8	12.5	
Air Flow Rate	High	m <sup>3</sup> /sec	0.233	0.333	0.492	
	Nom	m <sup>3</sup> /sec	0.200	0.283	0.400	
	Low	m <sup>3</sup> /sec	0.167	0.233	0.317	
Dimensions	Height x Width x Depth	mm	235 x 960 x 690	235 x 1270 x 690	235 x 1590 x 690	
Weight		kg	24	33	39	
Electrical Details	Running Current	amps	0.8	0.8	1.7	
	Power Supply	Phase / Hz / V		1 / 50 / 230		
	Fuse Rating	amps		5		
Sound Level	Sound Pressure	High	dBA	36.0	37.0	44.0
		Nom	dBA	34.0	35.0	37.0
		Low	dBA	31.0	34.0	34.0
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	3/8 (9.5)	3/8 (9.5)	
	Gas	inch (mm)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£906.00</b>	<b>£1,004.00</b>	<b>£1,246.00</b>	

### Notes:

i) For accessories please refer to pages 96 - 108

**R-410A**

FXUQ-A

## VRV Fan Coil – Under Ceiling Cassette



Indoor Units			FXUQ71A	FXUQ100A	
Capacity	UK Total Cooling	kW	6.4	9	
	UK Sensible Cooling	kW	5.2	7	
	Nominal Cooling	kW	8.0	11.2	
	Nominal Heating	kW	9.0	12.5	
Air Flow Rate	High	m <sup>3</sup> /sec	0.375	0.517	
	Nom	m <sup>3</sup> /sec	0.325	0.433	
	Low	m <sup>3</sup> /sec	0.267	0.350	
Dimensions	Height x Width x Depth	mm	198 x 950 x 950		
Weight		kg	26	27	
Electrical Details	Running Current	amps	0.6	1.4	
	Power Supply	Phase / Hz / V		1 / 50 / 230	
	Fuse Rating	amps		5	
Sound Level	Sound Pressure	High	dBA	40.0	47.0
		Nom	dBA	38.0	44.0
		Low	dBA	36.0	40.0
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	
	Gas	inch (mm)	5/8 (15.9)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£1,254.00</b>	<b>£1,337.00</b>	

### Notes:

i) For accessories please refer to pages 96 - 108

**R-410A**

FXLQ-P

## VRV Fan Coil – Floor Mounted Cased



Indoor Units			FXLQ20P	FXLQ25P	FXLQ32P	FXLQ40P	FXLQ50P	FXLQ63P	
Capacity	UK Total Cooling	kW	1.8	2.3	2.9	3.6	4.5	5.7	
	UK Sensible Cooling	kW	1.5	1.8	2.2	2.7	3.4	4.2	
	Nominal Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	
	Nominal Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0	
Air Flow Rate	High	m <sup>3</sup> /sec	0.117	0.117	0.133	0.183	0.233	0.267	
	Low	m <sup>3</sup> /sec	0.100	0.100	0.100	0.142	0.183	0.200	
Dimensions	Height x Width x Depth	mm	600 x 1000 x 232			600 x 1140 x 232		600 x 1420 x 232	
Weight		kg	27	27	32	32	38	38	
Electrical Details	Running Current	amps	0.3	0.3	0.6	0.6	0.6	0.6	
	Power Supply	Phase / Hz / V	1 / 50 / 230						
	Fuse Rating	amps	5						
Sound Level	Sound Pressure	High dBA	35.0	35.0	35.0	38.0	39.0	40.0	
		Low dBA	32.0	32.0	32.0	33.0	34.0	35.0	
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)	
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	
<b>Trade Unit Price</b>			<b>£695.00</b>	<b>£706.00</b>	<b>£720.00</b>	<b>£746.00</b>	<b>£754.00</b>	<b>£799.00</b>	

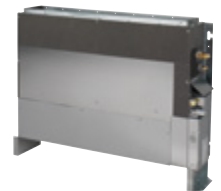
### Notes:

- i) For accessories please refer to pages 96 - 108

**R-410A**

FXNQ-A

## VRV Fan Coil – Concealed Floor Standing Unit



Indoor Units			FXNQ20A	FXNQ25A	FXNQ32A	FXNQ40A	FXNQ50A	FXNQ63A
Capacity	UK Total Cooling	kW	1.8	2.3	2.9	3.6	4.5	5.7
	UK Sensible Cooling	kW	1.6	1.9	2.2	2.8	3.5	4.3
	Nominal Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Nominal Heating	kW	2.5	3.2	4	5	6.3	8
Air Flow Rate	High	m <sup>3</sup> /sec	0.133	0.133	0.133	0.175	0.208	0.275
	Nom	m <sup>3</sup> /sec	0.120	0.120	0.120	0.158	0.183	0.242
	Low	m <sup>3</sup> /sec	0.107	0.107	0.107	0.142	0.167	0.217
External Static Pressure	High	Pa	41	41	42	52	59	55
	Nominal	Pa	10	10	10	15	15	15
Dimensions	Height x Width x Depth	mm	620 x 750 x 200			620 x 950 x 200		620 x 1150 x 200
Weight		kg	23.5	23.5	23.5	27.5	27.5	32
Electrical Details	Running Current	amps	0.4	0.4	0.4	0.5	0.5	0.6
	Power Supply	Phase / Hz / V	1 / 50 / 230					
	Fuse Rating	amps	5					
Sound Level	Sound Pressure	High dBA	30.0	30.0	30.0	32.0	33.0	35.0
		Nom dBA	28.5	28.5	28.5	30.0	31.0	33.0
		Low dBA	27.0	27.0	27.0	28.0	29.0	32.0
Piping Connections	Liquid	inch (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)
	Gas	inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)
<b>Trade Unit Price</b>			<b>£649.00</b>	<b>£659.00</b>	<b>£673.00</b>	<b>£697.00</b>	<b>£704.00</b>	<b>£748.00</b>

Increased static pressure – up to 59Pa

### Notes:

- i) For accessories please refer to pages 96 - 108  
ii) Supplied with removable feet

# Hot Water Generation – VRV Heat Pump Systems

Producing hot water from a heat pump system provides extremely low cost heating and cooling of water. Temperatures between 5°C to 45°C can be achieved allowing water temperature control for multiple applications without the need for a separate system.

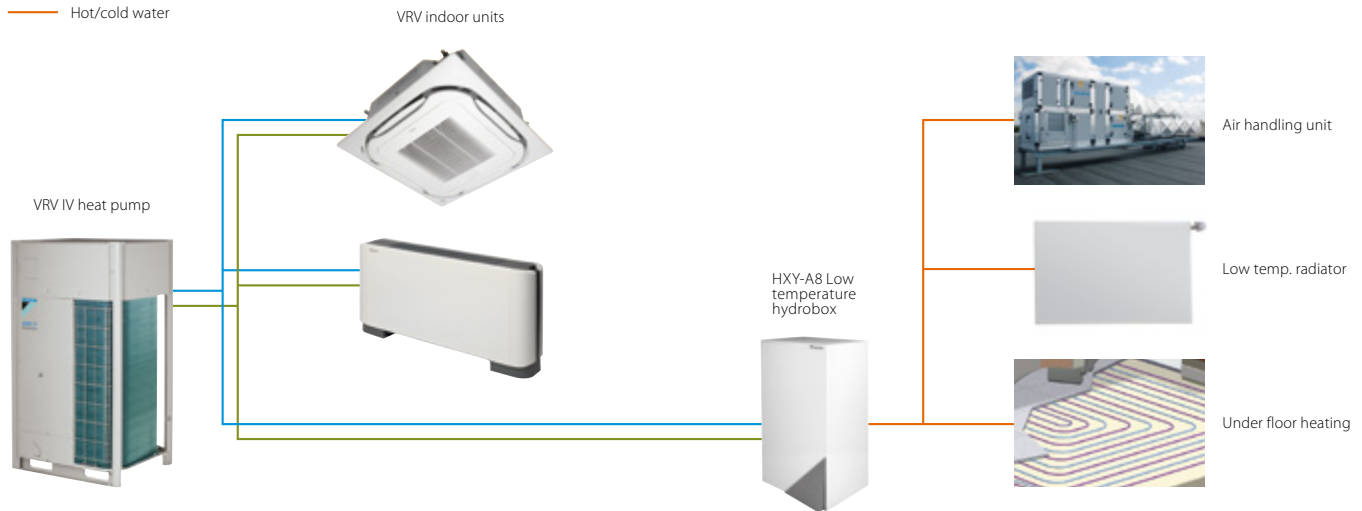


HXY-A8

## Features and benefits:

- > Highly efficient space heating/cooling
- > Air to water connection to VRV for applications such as underfloor, AHU, low temperature radiators
- > Leaving water temperature range from 5°C to 45°C without electric heater
- > Super wide operating range for cold/hot water production from -20°C to +43°C ambient outdoor temperature
- > Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- > Saves space with contemporary wall hung design
- > Requires no gas connection or oil tank

- Liquid pipe
- Gas pipe
- Hot/cold water



Indoor unit				HXY080A8	HXY125A8
Cooling capacity	Nom.		kW	8.0	12.5
Heating capacity	Nom.		kW	9.0	14.0
Casing	Colour	White			
	Material	Precoated sheet metal			
Dimensions	Unit	Height x Width x Depth	mm	890x480x344	
Weight	Unit		kg	44	
Sound pressure level	Nom.		dBA	-	
Operation range	Heating	Ambient	Min.~Max. °C	-20~-24	
		Water side	Min.~Max. °C	25~45	
Refrigerant	Type	R-410A			
Refrigerant circuit	Liquid		inch (mm)	3/8 (9.5)	
	Gas		inch (mm)	5/8 (15.9)	
Water circuit	Piping connections diameter		inch	G 1 1/4 (female)	
Power supply			Phase / Hz / V	1 / 50 / 230	
Recommended fuses			A	5	
<b>Trade Unit Price</b>				<b>£1,461.00</b>	<b>£2,050.00</b>

# Hot Water Generation – VRV Heat Recovery Systems

Producing hot water from a heat recovery VRV system is one of the most energy efficient means of providing hot water within a building. We can provide high and low temperature hot water for bathrooms, wash basins, underfloor heating, radiators and even provide heated water for air handling unit applications.



HXHD-A8 (High temperature)

HXY-A8 (Low temperature)

Using waste heat to provide hot water means you can provide an additional service to your building from the heat recovery VRV system at very low cost.

### Features and benefits:

#### For both low temperature and high temperature

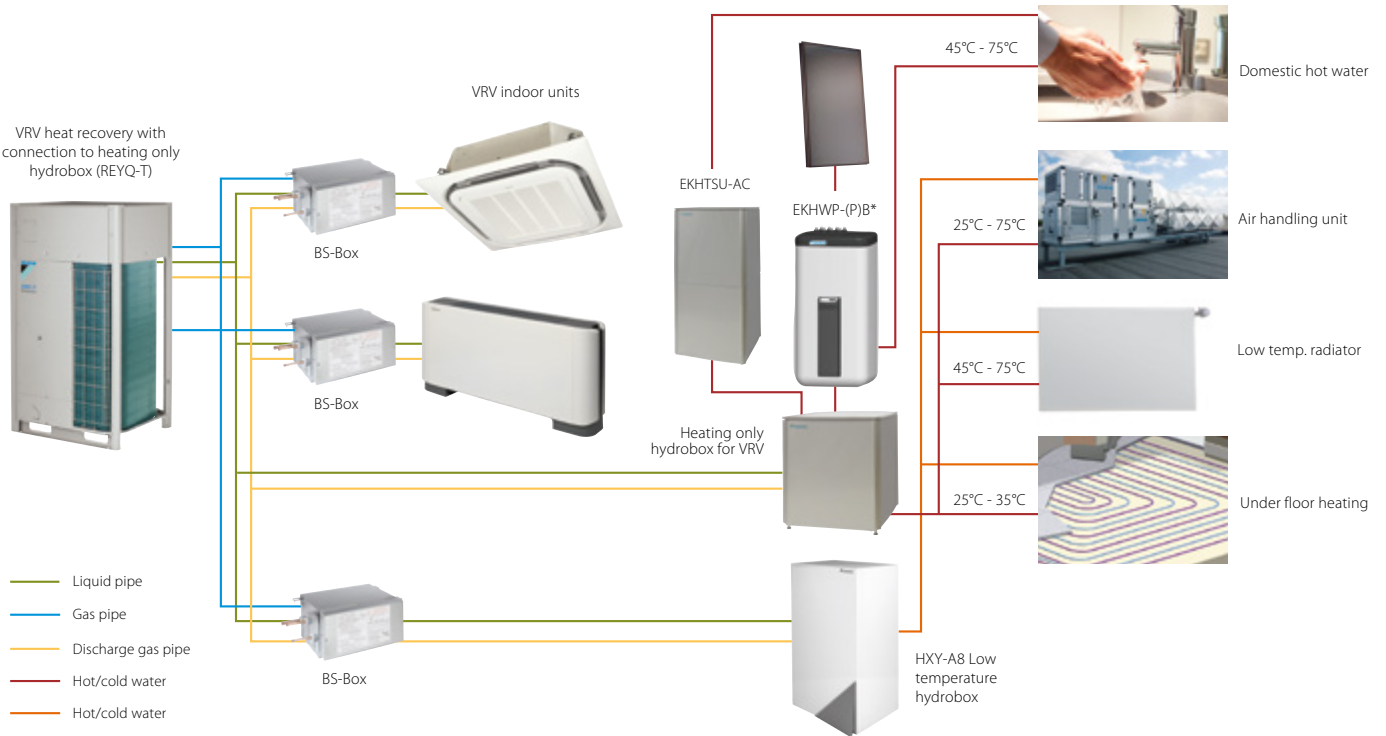
- > Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler
- > Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- > Requires no gas connection or oil tank

#### For low temperature

- > Highly efficient space heating/cooling
- > Leaving water temperature range from 5°C to 45°C without electric heater
- > Super wide operating range for cold/hot water production from -20°C to +43°C ambient outdoor temperature
- > Saves space with contemporary wall hung design

#### For high temperature

- > Possibility to connect thermal solar collectors to the domestic hot water tank
- > Leaving water temperature range from 25°C to 80°C without electric heater
- > Various control possibilities with weather dependant set point or thermostat control



\*PB for pressurised solar, B with drainback solar.



**R-410A R-134a**

HXHD-A8 / HXY-A8

# Hot Water Generation – VRV Heat Recovery Systems



Indoor unit				HXHD125A8	HXY080A8	HXY125A8
				High Temperature	Low Temperature	
Cooling Capacity	Nom.	kW		-	8	12.5
Heating capacity	Nom.	kW		14.0	9	14
Casing	Colour			Metallic grey	White	
	Material			Precoated sheet metal		
Dimensions	Unit	Height x Width x Depth	mm	705x600x695	890x480x344	
Weight	Unit	kg		92	44	
Sound pressure level	Nom.	dBA		42 (1) / 43 (2)	-	
	Night quiet mode	Level 1		38 (1)	-	
Operation range	Heating	Ambient	Min.~Max. °C	-20~-20 / 24 (3)	-20~-24	
		Water side	Min.~Max. °C	25~80	25~45	
	Domestic hot water	Ambient	Min.~Max. °CDB	-20~43	-	
		Water side	Min.~Max. °C	45~75	-	
Refrigerant	Type			R-134a	R-410A	
Refrigerant circuit	Liquid	inch (mm)		3/8 (9.5)	3/8 (9.5)	
	Gas	inch (mm)		1/2 (12.7)	5/8 (15.9)	
Water circuit	Piping connections diameter		inch	G 1" (female)	G 1" 1/4 (female)	
	Heating water system	Water volume	Min.~Max. l	20~200	-	
Power supply			Phase / Hz / V	1 / 50 / 230	1 / 50 / 230	
Current	Recommended fuses		A	20	5	
<b>Trade Unit Price</b>				<b>£2,713.00</b>	<b>£1,461.00</b>	<b>£2,050.00</b>

(1) Sound levels are measured at: EW 55°C; LW 65°C (2) Sound levels are measured at: EW 70°C; LW 80°C (3) Field setting

## Notes:

- i) Hydroboxes are connectable to the following outdoor series only: Air Cooled Heat Recovery REYQ-T (see page 80)
- ii) Hydroboxes are inclusive of integral expansion vessel, and pump

EKHTSU-AC

# HT Water Tank



Domestic Unvented Hot Water Tank				EKHTSU200AC	EKHTSU260AC
				Unvented System (Includes EKUHWHT unvented Kit as shown below)	
Energy Efficiency Class			B	B	
Standing Heat Loss	W			50	63
Water Volume	l			200	260
Max Water Temperature	°C		75		
Height	mm			1335	1610
Width	mm			600	600
Depth	mm			695	695
Empty Weight	kg			70	78
Colour			Metallic grey		
Material Inside Tank			Stainless Steel		
Material Outside Casing			Precoated sheet metal		
Piping Connections (Diameter)	Water inlet H/E	mm	25 (female quick coupling supplied)		
	Water outlet H/E	mm	25 (female quick coupling supplied)		
	Cold Water in	inch	3/4" (female)		
	Hot water out	inch	3/4" (female)		
<b>Trade Unit Price</b>				<b>£1,121.00</b>	<b>£1,269.00</b>

## Accessories:

Accessories For Unvented Systems		Trade Unit Price
EKUHWHT	Includes: Combined Pressure Reducing Valve, Non Return Valve, Strainer, Expansion Relief Valve, Expansion Vessel, Tundish	<b>Included with EKHTSU*AC</b>
EKFMAHTB	Option for stand alone tank (ie not mounted on top of hydrobox)	<b>£277.00</b>

## Notes:

- i) Hydroboxes are connectable to the following outdoor series only: Air Cooled Heat Recovery REYQ-T (see page 80)
- ii) Hydroboxes are inclusive of integral expansion vessel and pump

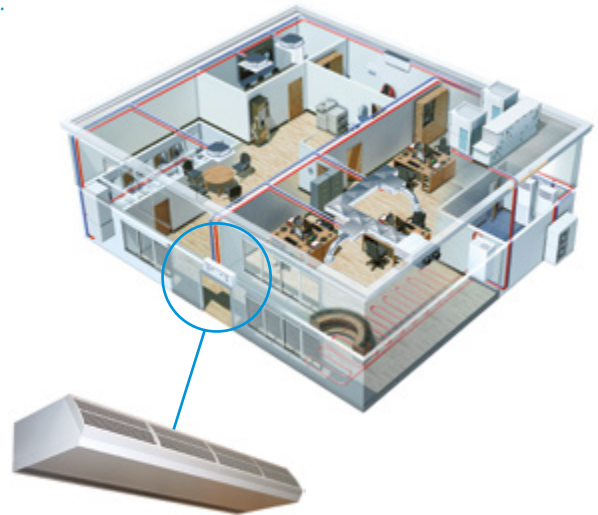
# Air curtains are the ideal solution to combat the issue of climate separation across retail outlets or office doorways.

In conjunction with Biddle, Daikin VRV IV heat recovery air curtain solutions combines the benefits of the Biddle air curtain technology with the benefits of Daikin VRV IV heat recovery.

Using a combination of rectifier technology, air velocity and temperature control they deliver greater comfort to staff and customers alike, all year round, in all weathers.

Easy and fast installation of these systems not only reduces costs but makes expensive water systems, boilers and gas connections redundant. Integrating a Biddle air curtain with Daikin VRV also eliminates the need to install multiple outdoor units thereby reducing installation time and costs further. This combination enables Daikin to offer its customers the ultimate environmentally conscious TOTAL SOLUTION PACKAGE comprising cooling, heating, outdoor-indoor climate separation and fresh air ventilation.

**Some air curtains may be ECA compliant please see ECA website for details [www.daikin.co.uk/ECA](http://www.daikin.co.uk/ECA)**



## Features and benefits:

- > Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode
- > Connection to the high COP heat recovery system enables COP's of up to 4.36
- > Short payback times – less than 3 years
- > Air curtain rectifier technology – deeply penetrating airstream
- > Constant air velocity technology – all year round efficiency
- > European patent
- > 1.0, 1.5, 2.0 and 2.5 metre door widths
- > Door heights of up to 3.7 metres
- > Choice of colour RAL9010:White or RAL9006:Grey



F = Free hanging model

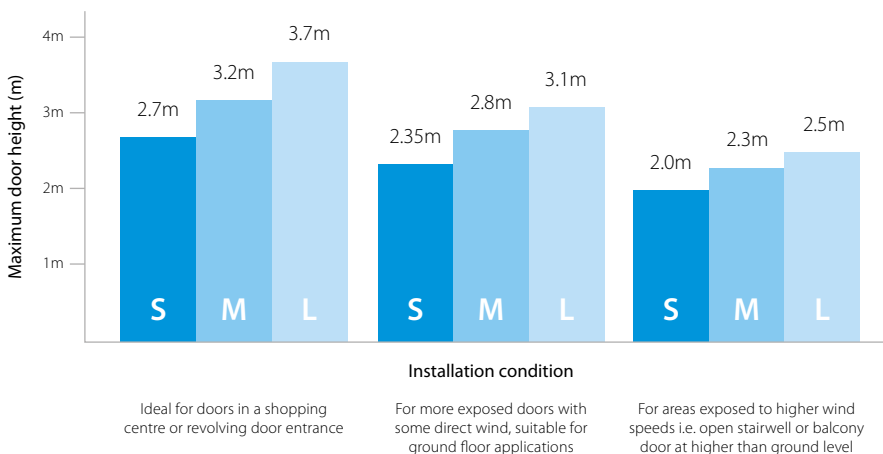


C = Cassette model



R = Recessed model

## Biddle Comfort air curtain range



## Selection

- 1) Use the Door Height graph to determine the Air Curtain size relevant to your application
- 2) When you know the size (S/M/L), refer to specific tables to select the model for your required door width



CYVS/M/L - DK - F/C/R

**S** Biddle Standard Air Curtain – SMALL – Door Height 2.7m to 2m

Maximum Door Width		m		1.0			1.5			2.0			2.5				
Mounting Height *2		Max / Min		m		2.7 / 2.0											
Model name		CYVS100DK80*BC			CYVS150DK80*BC			CYVS200DK100*BC			CYVS250DK140*BC						
Type		* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R				
Heating capacity	speed 3 kW	7.40			9.00			11.60			16.20						
Delta T	Inlet = room temperature speed 3 °K	15			15			15			16						
Power input (50Hz)	Fan only / Heating kW	0.23/0.23			0.35/0.35			0.46/0.46			0.58/0.58						
Dimensions	Height	270	270	270	270	270	270	270	270	270	270	270	270				
	Width	1,000	1,000	1,048	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548				
	Depth	590	891	561	590	821	561	590	821	561	590	821	561				
Weight	kg	56	59	61	66	83	88	83	102	108	107	129	137				
Casing	Colour	white RAL9010															
Minimum requiring ceiling void		420			420			420			420						
Fan - Air flow rate	speed 3 m³/sec	0.323			0.485			0.647			0.808						
Sound pressure	Heating speed 3 dBA	47			49			50			51						
Refrigerant	Type	R-410A															
Piping connections	Liquid (OD) / Gas inch (mm)	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 3/4 (19)						
Power supply	Phase / Hz / V	1 / 50 / 230															

<b>Trade Unit Price</b>	<b>£2,486.00</b>	<b>£2,456.00</b>	<b>£2,560.00</b>	<b>£3,167.00</b>	<b>£3,136.00</b>	<b>£3,311.00</b>	<b>£3,827.00</b>	<b>£3,798.00</b>	<b>£4,103.00</b>	<b>£4,270.00</b>	<b>£4,240.00</b>	<b>£4,575.00</b>
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**M** Biddle Standard Air Curtain – MEDIUM – Door Height 3.2m to 2.3m

Maximum Door Width		m		1.0			1.5			2.0			2.5				
Mounting Height *2		Max / Min		m		3.2 / 2.3											
Model name		CYVM100DK80*BC			CYVM150DK80*BC			CYVM200DK100*BC			CYVM250DK140*BC						
Type		* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R				
Heating capacity	speed 3 kW	9.20			11.00			13.40			19.90						
Delta T	Inlet = room temperature speed 3 °K	17			14			13			15						
Power input (50Hz)	Fan only / Heating kW	0.37/0.37			0.56/0.56			0.75/0.75			0.94/0.94						
Dimensions	Height	270	270	270	270	270	270	270	270	270	270	270	270				
	Width	1,000	1,000	1,048	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548				
	Depth	590	821	561	590	821	561	590	821	561	590	821	561				
Weight	kg	57	68	66	73	88	93	94	111	117	108	136	144				
Casing	Colour	white RAL9010															
Minimum requiring ceiling void		420			420			420			420						
Fan - Air flow rate	speed 3 m³/sec	0.446			0.669			0.892			1.115						
Sound pressure	Heating speed 3 dBA	50			51			53			54						
Refrigerant	Type	R-410A															
Piping connections	Liquid (OD) / Gas inch (mm)	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 3/4 (19)						
Power supply	Phase / Hz / V	1 / 50 / 230															

<b>Trade Unit Price</b>	<b>£2,844.00</b>	<b>£2,813.00</b>	<b>£2,919.00</b>	<b>£3,644.00</b>	<b>£3,613.00</b>	<b>£3,773.00</b>	<b>£4,514.00</b>	<b>£4,484.00</b>	<b>£4,788.00</b>	<b>£5,137.00</b>	<b>£5,108.00</b>	<b>£5,436.00</b>
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**L** Biddle Standard Air Curtain – LARGE – Door Height 3.7m to 2.5m

Maximum Door Width		m		1.0			1.5			2.0			2.5				
Mounting Height *2		Max / Min		m		3.7 / 2.5											
Model name		CYVL100DK125*BC			CYVL150DK200*BC			CYVL200DK250*BC			CYVL250DK250*BC						
Type		* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R				
Heating Capacity	speed 3 kW	15.6			23.3			29.4			31.1						
Delta T	Inlet = room temperature speed 3 °K	15			15			14			12						
Power Input (50Hz)	Fan only / Heating kW	0.75 / 0.75			1.13 / 1.13			1.50 / 1.50			1.88 / 1.88						
Dimensions	Height	370	370	370	370	370	370	370	370	370	370	370	370				
	Width	1,000	1,000	1,048	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548				
	Depth	774	1105	745	774	1105	745	774	1105	745	774	1105	745				
Weight	kg	76	81	83	100	118	141	126	151	155	157	190	196				
Casing	Colour	white RAL9010															
Minimum requiring ceiling void		520			520			520			520						
Fan - Air Flow Rate	speed 3 m³/sec	0.861			1.292			1.722			2.153						
Sound Pressure	Heating speed 3 dBA	53			54			56			57						
Refrigerant	Type	R-410A															
Piping Connections	Liquid (OD) / Gas inch (mm)	3/8 (9.5) / 5/8 (15.9)			3/8 (9.5) / 3/4 (19)			3/8 (9.5) / 7/8 (22.2)			3/8 (9.5) / 7/8 (22.2)						
Power Supply	Phase / Hz / V	1 / 50 / 230															

<b>Trade Unit Price</b>	<b>£3,623.00</b>	<b>£3,585.00</b>	<b>£3,696.00</b>	<b>£4,820.00</b>	<b>£4,783.00</b>	<b>£4,932.00</b>	<b>£5,935.00</b>	<b>£5,897.00</b>	<b>£6,193.00</b>	<b>£6,892.00</b>	<b>£6,855.00</b>	<b>£7,219.00</b>
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Accessories:

Accessory Ref	Description	Trade Price
BRC1E52A	Premium wired remote controller with full text menu, Energy features and 7 Day Time Clock	<b>£76.00</b>
KRCS01-1	Remote room mounted temperature sensor	<b>£46.00</b>
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	<b>£251.00</b>

\*2: Mounting Height at base of door curtain air outlet F = Free Hanging / C = Cassette / R = Recessed

Notes:

- i) Biddle Remote Controller and connection cable included for Fan Speed Control
- ii) If RTD-20 Connected in Air Curtain mode the Biddle Remote Controller is NOT connected as Fan speed is managed by RTD-20
- iii) Code "BC" is for white finish. Aluminium finish "SC" available on request

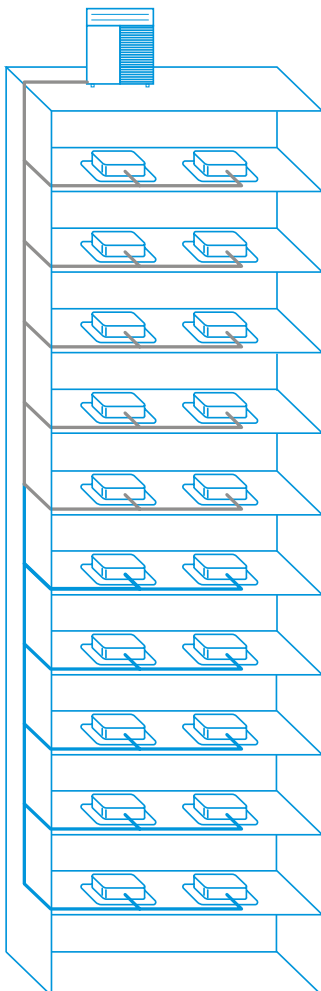
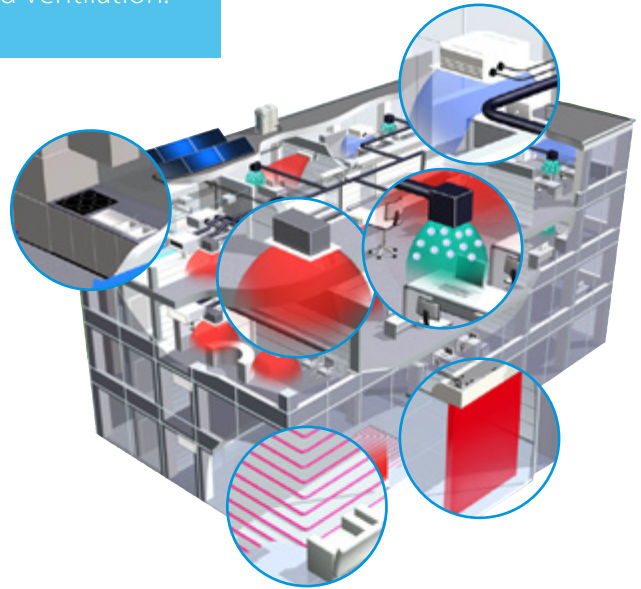
# The VRV Total Solution

Many buildings today typically operate quite separate systems for heating, cooling, refrigeration and hot water. As a result, a huge amount of energy is wasted. To provide a much more efficient alternative, VRV technology has been developed into a total solution for heating, cooling, refrigeration and ventilation.

## The VRV total solution

Air conditioning, refrigeration and cooling IT servers can generate waste heat that can be reused to heat and ventilate other areas of the building or to provide hot water for wash rooms, at a much reduced cost.

By understanding the whole building's heating and cooling needs at the outset, an integrated climate control solution can be delivered that offers much higher energy efficiency levels, thus reducing the carbon impact of a building. This means that all internal and external conditions must be taken into account in the design of the climate control system.



**NEW**

### Extended piping range

- > Increased efficiency and versatility.
- > VRV IV Heat Recovery systems have received an upgraded piping capability which allows fan coils to be spread over 10 floors on the same system.
- > Now it is possible to have up to 30m height separation between indoor units, allowing even more versatility than ever before and allowing heat recovery between more floors.

Piping Rules	Heat Recovery	Heat Pump	Mini Compact	Mini Standard	Mini Extended	VRVQ	VRV-W
	8-54 hp	8-54 hp	4, 5 hp	4, 5, 6 hp	8, 10, 12 hp	8-48 hp	8-30 hp
Maximum pipe length from Condenser to furthest indoor unit	165m	165m	70m	120m	100m	120m	120m
Maximum distance from 1st Refnet joint to furthest fan coil	90m	90m	40m	40m	40m	40m	90m*
Maximum total pipework length (VRV Fan coils)	1000m	1000m	300m	300m	300m	300m	300m
Maximum difference from indoor unit to its own refnet	40m	40m	40m	40m	40m	40m	40m
Maximum Height difference between Outdoor and Indoor	90m	90m	30m	40-50m*	40-50m*	40-50m*	40-50m*
Maximum Height difference between indoor units	<b>30m</b>	30m	tbc	tbc	tbc	15m	15m

Note:  
 \* 40m if condenser is below indoors - 50m if condenser above indoors  
 Not all limitations are shown for every combination of indoor units  
 Some limitations cannot be used together on the same system  
 Some limitations require approval  
 Please contact Daikin UK for more details on pipework design



# VRV Services

## Strip Down and Rebuild



Our Strip and Rebuild Service offers you the benefit of time and cost savings, as it means that you can have VRV outdoor units delivered to site in portable components, so they can be transported to the roof without the need for cranes or applying for road closure permissions.

### PRICE ON APPLICATION

**Lead time:** 3 weeks

**Applicable condensers:** VRV, CVP, Zeas

When asking for a quotation or ordering, please state the unit you require and also that you require the strip and rebuild service.

### How it works:

- > Our engineers will strip down and package the components securely in a purpose built container at our workshop
- > We then organise delivery to the kerb-side on site where the contractor can unload, lift and manoeuvre the units into place
- > Our engineers will then attend site to rebuild, pressure test, and vacuum and charge the unit with refrigerant ready for connection to the rest of the system
- > If the unit is to be kept on site for any period of time, please ensure the container is kept dry and is not opened.

## Painted Units



Customers sometimes require visible units to be less obtrusive, whether for aesthetic or planning reasons.

Daikin UK offer a customised service where we can repaint our units to any specified RAL or BS finish. Our repainting service is done in house in our purpose built facility and includes removing base paint to give a uniform, long lasting and professional finish. We have repainted fan coils, decoration panels, BS boxes and all types of condensers for a number of clients.

### PRICE ON APPLICATION

**Lead time:** 2-3 weeks

**Applicable units:** All

When asking for a quotation or ordering, please state the unit you require along with the finish requirements e.g. colour, pattern etc.



### Please note:

The stated lead times are a guide, this can be influenced by the design and complexity of the requirement.



R-410A

## VRV IV S Series – New Extended Range

# VRV IV S-series

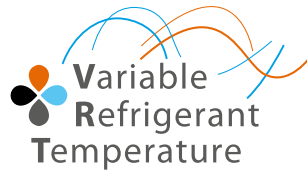
Low Height compact 4 & 5 hp  
1 Phase

Standard 4, 5 & 6 hp  
1 Phase and 3 Phase

Large Capacity 8, 10 & 12 hp  
3 Phase

### Now with:

- > Variable Refrigerant Temperature
- > AHU connection
- > Air curtain connection



**R-410A**

VRV IV S-series – RXYSCQ-T

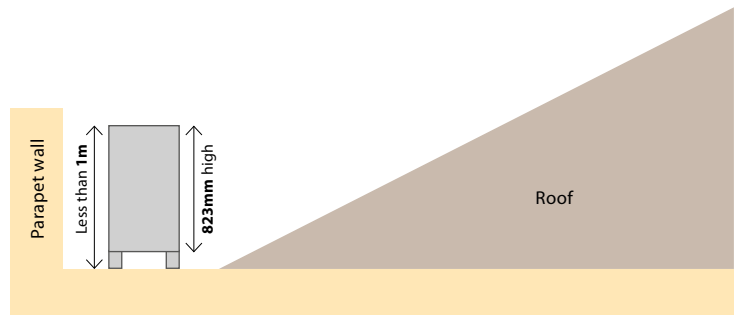


## VRV IV Condensing Unit – Low Height Compact Mini VRV

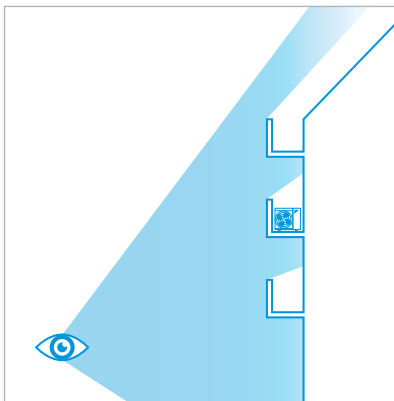
Outdoor Units			RXYSCQ4TV1	RXYSCQ5TV1
Capacity	Nominal Cooling	kW	12.1	14
	Nominal Heating	kW	12.1	14
Power Input 50Hz	Cooling	kW	3.43	4.26
	Heating	kW	3.18	3.91
EER			3.53	3.29
COP			3.81	3.58
Dimensions	Height x Width x Depth	mm	823 x 940 x 460	
Weight		kg	94	94
Refrigerant Circuit	Refrigerant Type		R410A	
Sound Pressure (Nom)	Cooling	dBA	51	52
Sound Power (Nom)	Cooling	dBA	68	69
Maximum No of Connectable Units			8	10
Electrical Details	Power Supply	Phase / Hz / V	1 / 50 / 230	
	Running Current	amps	19.0	
	Starting Current	amps	4	
	Fuse Rating	amps	32	
Piping Limits	Total Piping length	m	300	
	Maximum Length	m	70 (90 equivalent)	
	Maximum Vertical Rise	m	30	
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)
	Gas	inch (mm)	5/8 (15.9)	5/8 (15.9)
Capacity Index Limit			50~130	62.5~162.5
<b>Trade Condensing Unit Price</b>			<b>£2,462.00</b>	<b>£2,767.00</b>

### Features:

- > New low height Mini VRV, making complying with planning restrictions in towns and cities easier
- > Compact – only 823mm high
- > Lightweight – for simple installation
- > Variable Refrigerant temperature – enhanced efficiency
- > In addition to VRV fan coils, low height Mini VRV is connectable to: Stylish indoor units – Emura and Nexura – as well as Air Handling Units and Biddle Air Curtains
- > Single phase



Planning issues for small commercial or residential projects in towns and cities can now be easy to overcome with a Low height version of the mini VRV range, available in 4 & 5hp with Variable Refrigerant Temperature. Connectable to products such as Air Curtains, Air Handling Units and the Emura and Nexura fan coils, the Low height Mini VRV range brings a whole new level of versatility to the VRV range.



Daikin VRV IV S-series units can be installed discreetly on a balcony thanks to their compact dimensions, offering you air conditioning while being almost unnoticeable.



VRV IV S-series – RXYSQ-T

# VRV IV Condensing Units – Standard Mini VRV

Outdoor Units			RXYSQ4TV1	RXYSQ5TV1	RXYSQ6TV1	RXYSQ4TY1	RXYSQ5TY1	RXYSQ6TY1
Capacity	Nominal Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
	Nominal Heating	kW	12.1	14.0	15.5	12.1	14.0	15.5
EER			4.00	3.75	3.40	4.00	3.75	3.40
COP			4.52	4.28	3.90	4.52	4.28	3.90
Dimensions	Height x Width x Depth	mm	1345 x 900 x 320					
Weight		kg	104					
Air Flow Rate		m <sup>3</sup> /sec	1.767					
Electrical Details	Power Supply	Phase / Hz / V	1 / 50 / 230			3 / 50 / 380~415		
	Running Current	amps	14.0	17.3	21.2	4.44	5.55	6.84
	Starting Current	amps	4					
	Fuse Rating	amps	32A			16A		
Refrigerant Circuit	Refrigerant Type		R410A					
Sound Pressure (Nom)		dB(A)	50	51	51	50	51	51
Sound Power (Nom)		dB(A)	68	69	70	68	69	70
Piping Limits	Maximum Length	m	300					
Piping Connections	Liquid	inch (mm)	3/8 (9.5)					
	Gas	inch (mm)	5/8 (15.9)	5/8 (15.9)	3/4 (19)	5/8 (15.9)	5/8 (15.9)	3/4 (19)
Capacity Index Limit			50 - 130	62.5 - 162.5	70 - 182	50 - 130	62.5 - 162.5	70 - 182
Maximum Number of Connected Indoor Units			8	10	12	8	10	12
<b>Trade Condensing Unit Price</b>			<b>£2,735.00</b>	<b>£3,074.00</b>	<b>£3,431.00</b>	<b>£2,788.00</b>	<b>£3,160.00</b>	<b>£3,510.00</b>

Technologies

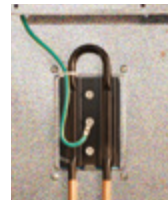
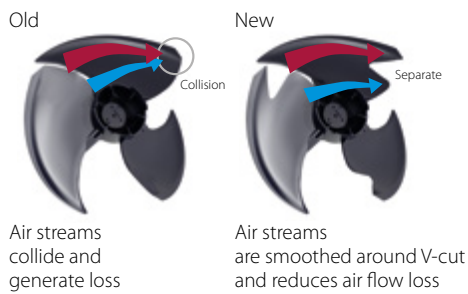
## VRV IV S-series

### Features

**Super aero grille**

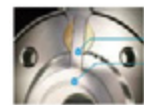
The spiral shaped ribs are aligned with the direction of discharge flow in order to minimise turbulence and reduce noise.

**Improved fan blades**



**Refrigerant-cooled PCB**

- > Reliable cooling because it is not influenced by ambient air temperature
- > Smaller switchbox for smoother air flow through the heat exchanger increasing heat exchange efficiency with 5%

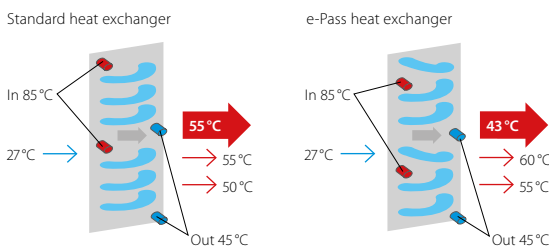


**Compressor**

- Swing type > **no oil separator**
- Vane & rotor are unified resulting in:
  - > Reduced noise level
  - > Longer compressor life
  - > Higher efficiency

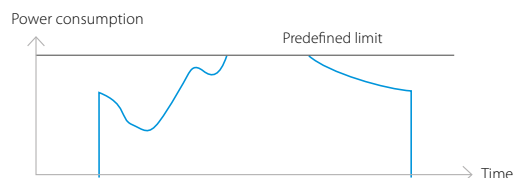
**E-Pass heat exchanger**

Optimising the heat exchanger's path layout prevents heat being transferred from the overheated gas section to the sub-cooled liquid section which is a more efficient way to use the heat exchanger.



**I-demand function**

Limit maximum power consumption. The newly introduced current sensor minimizes the difference between the actual power consumption and the predefined power consumption.



**R-410A**

VRV S-series – RXYSQ-T

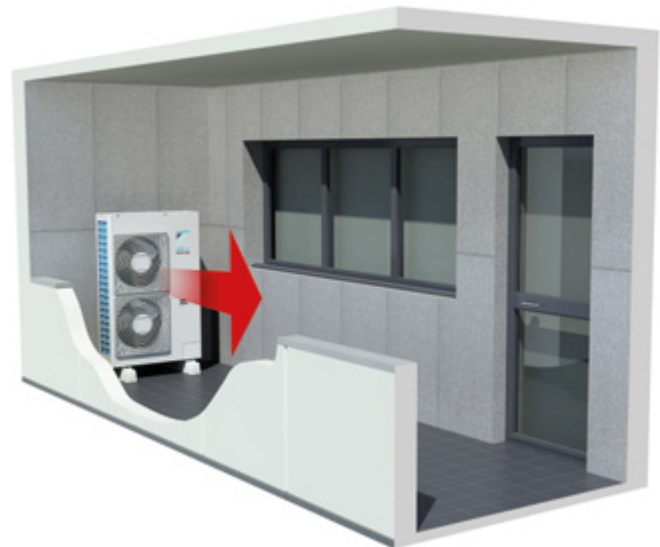
## VRV IV Condensing Unit – High Capacity Mini VRV



Outdoor Units			RXYSQ8TY1	RXYSQ10TY1	RXYSQ12TY1
Capacity	Nominal Cooling	kW	22.4	28	33.5
	Nominal Heating	kW	22.4	28	33.5
EER			3.66	3.4	3.3
COP			4.31	4.24	4.09
Dimensions	Height x Width x Depth	mm	1430x940x320	1615x940x460	
Weight		kg	144	175	180
Air Flow Rate		m <sup>3</sup> /sec	2.333	3.033	
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415		
	Running Current	amps	9.6	10.7	13.4
	Starting Current	amps	4		
	Fuse Rating	amps	25		32
Refrigerant Circuit	Refrigerant Type		R410A		
Sound Pressure (Nom)		dB(A)	55	55	57
Sound Power (Nom)		dB(A)	73	74	76
Piping Limits	Maximum Length	m	300		
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	1/2 (12.7)
	Gas	inch (mm)	3/4 (19)	7/8 (22.2)	1 1/8 (28.6)
Capacity Index Limit			100 - 260	125 - 325	150 - 390
Maximum Number of Connected Indoor Units			17	21	26
<b>Trade Condensing Unit Price</b>			<b>£4,542.00</b>	<b>£4,963.00</b>	<b>£6,077.00</b>

### Features:

- > High capacity up to 33.5kW nominal cooling
- > Horizontal blow casing
- > Variable Refrigerant Temperature
- > Connection to stylish split fan coils
- > Compact installation – reduction in floor space
- > Available in 8, 10 & 12 hp



Planning requirements in built up areas require increasingly more innovative products to overcome restrictions, especially on visibility of plant.

By having a smaller footprint and weight than its big brother, the extended high capacity Mini VRV range is easier to hide and can help to maximise the lettable floor area on a design.

Mini VRV systems deliver VRV performance in a small, convenient package by offering a compact, horizontal blow, air conditioning solution for projects with lower capacity requirements or where discretion is required due to the planning or aesthetic requirements of the application.

Daikin are pleased to announce that Mini VRV systems have received a complete redesign, and with this extension to the range which includes new features to increase performance, convenience and flexibility, Mini VRV from Daikin will become an even more popular choice for residential and smaller capacity Air conditioning applications.



10/12 hp

8 hp



# VRV IV Condensing Unit – For Indoor Installation

The VRV IV i-series is a truly unique solution for installations where you want a completely invisible solution. The system is installed entirely indoors and only the grilles are visible. So it's ideal for urban environments, where space and planning restrictions are especially challenging.

## A cost effective solution

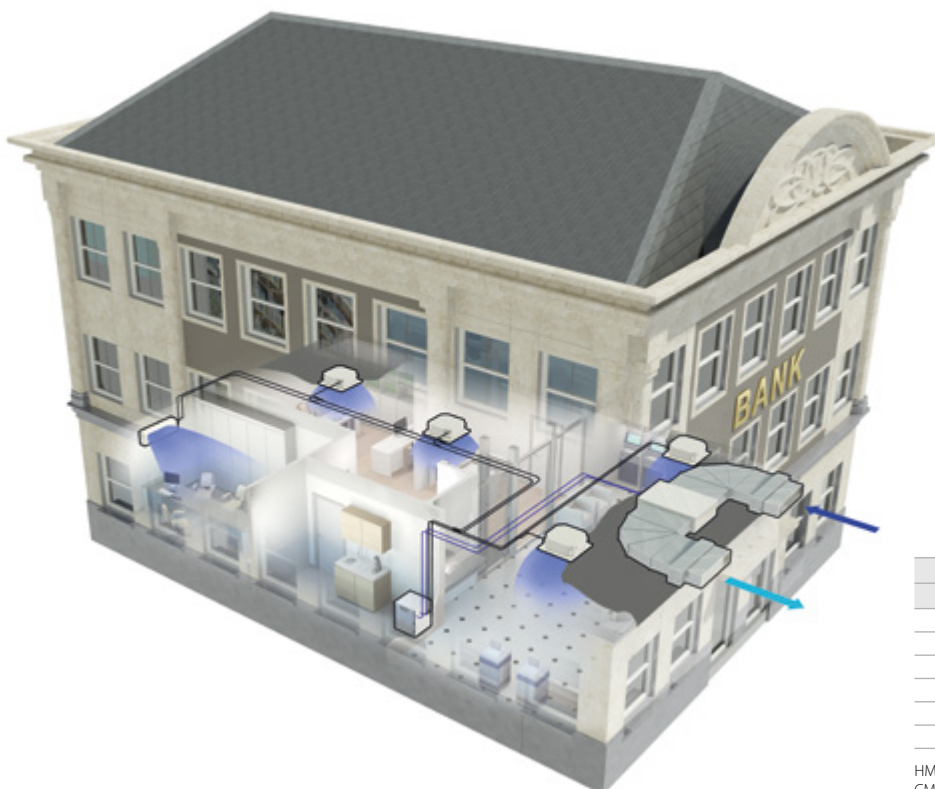
Even when it is possible to install an outdoor unit, there are reasons that an indoor installation offers a better solution, such as in areas where there is a mixture of commercial and residential use.

With the VRV IV i-series, the units are effectively invisible because they are installed indoors. Thanks to their low operating sound, they are highly suited to densely populated areas such as city centres – and dedicated modes reduce sound further to comply with inner-city noise regulations, so there is no need for costly sound insulation.

Nor is there any need to use a crane for installation on the roof or back of the property as the unit comes in two parts, making the VRV IV i-series easier and more cost effective to install.

### The VRV IV i-series offers:

- > A unique VRV indoor solution: the 'outdoor' air conditioning unit can now be fitted indoors
- > Connection with up to 10 indoor units
- > Seamless integration into surrounding architecture
- > Total flexibility for any shop location and building type
- > Easy compliance with planning regulations, the best solution for urban locations
- > A total solution when combined with ventilation units and Biddle air curtains



**VRV IV** i-series

Total Piping length possibilities RKXYQ5		
(a) = HM <> CM	(b) = CM <> IU	(c) = (a) + (b)
5	135	140
10	125	135
15	115	130
20	105	125
25	95	120
30	85	115

HM: Heat Exchanger Module  
CM: Compressor Module



# VRV IV Condensing Unit – for indoor installation

## Unique split unit for indoor installation

**Compact and easy to hide, the compressor can be installed at floor level, in a back office, storage room, technical area or in a kitchen, while the heat exchanger can be installed in a false ceiling space. This means that the air conditioning system is completely invisible and does not take up expensive commercial floor space.**

### Installation flexibility

- > Unrivalled flexibility because the unit is split into two elements: the heat exchanger and the compressor
- > Lightweight units reduce installation time and effort, making it easy for just two people to transport and install
- > Shorter pipe runs between the indoor units reduces installation costs
- > Easy serviceability, all components can be easily reached

### Superior efficiencies

- > Variable Refrigerant Temperature for best seasonal efficiency & comfort
- > Patented V-shape heat exchanger for the most compact unit (400 mm high)
- > Super-efficient centrifugal fans (85% more efficient than equivalent sirocco fan)
- > Inverter fan can be easily adjusted to the length of ductwork
- > Optimised shape for higher air flow and static pressure, resulting in much higher efficiencies when compared to standard outdoor units installed indoors

### Compact compressor unit

- > Small footprint maximizing usable floor space (600 x 554 mm)
- > Can easily be mounted in a storage room or back office
- > Rotating switchbox for easy maintenance

System		SB.RKXYQ	5T
Capacity range		HP	5
Cooling capacity / Heating capacity	Nom.	kW	14 / 14
EER / COP			3.2 / 3.8
Maximum number of connectable indoor units			10
Indoor index connection	Min. / Nom. / Max.		62.5 / 125 / 162.5
Operation range - outdoor air temperature	Cooling	Min.~Max. °CDB	-5 ~ 46
	Heating	Min.~Max. °CWB	-20 ~ 15.5
Refrigerant	Type / GWP	kg / TCO2	R-410A / 2087.5
Piping connections between compressor module (CM) and heat exchanger module (HM)	Liquid	OD inch (mm)	1/2 (12.7)
	Gas	OD inch (mm)	3/4 (19)
	Maximum length	m	30
	Max height difference - CM below HM	m	10
	Max height difference - CM above HM	m	10
Piping connections between compressor module (CM) and indoor units (IU)	Liquid	OD inch (mm)	3/8 (9.5)
	Gas	OD inch (mm)	5/8 (15.9)
	Max total piping length (incl. piping to HM)	m	140
	Max length to last IU	m	70 (90 equivalent)
	Max height difference - CM below IU	m	30
	Max height difference - CM above IU	m	30
	Max height difference - IU - IU	m	15

**Trade Condensing Unit Price £4,572.00**

Heat exchanger module		RDXYQ	5T
Dimensions	Height x Width x Depth	mm	397 x 1456 x 1044
Weight		kg	97
Ambient installation temperatures	Min~Max	°CDB	5 ~ 35
Ducting	Suction size	mm	1196 x 298
	Discharge size	mm	1196 x 298
	Max ESP	Pa	150
	Nom. air flow	m <sup>3</sup> /s	0.917
Sound pressure level		dBa	47
Drain pipe	OD	mm	32 (VP25)
Power supply	Phase / Frequency / Voltage		1~ / 50 Hz / 220-240V

**Trade Condensing Unit Price £1,966.00**

Compressor module		RKXYQ	5T
Dimensions	Height x Width x Depth	mm	701 x 600 x 554
Weight		kg	77
Refrigerant charge		kg	2,0
Ambient installation conditions	Min~Max	°CDB	5 ~ 35
Sound pressure level		dBa	47
Power supply	Phase / Frequency / Voltage		3~ / 50 Hz / 380-415V

**Trade Condensing Unit Price £2,606.00**

**R-410A****RYYQ-T**

Replaces RXYQ-P9 / RXYHQ-P9 / RXYRQ-P9 / RXHQ-P

# Heat Pump VRV IV

## 3 revolutionary features:

### Variable Refrigerant Temperature

#### Customise your VRV for best Seasonal Efficiency and comfort:

- > Revolutionary variable refrigerant temperature control automatically adapts the system to individual building and climate requirements for greater efficiency and comfort
- > Continuously adjusts refrigerant temperature to the actual temperature and capacity required
- > Default mode optimised by Daikin for UK conditions with maximum efficiency and comfort
- > Delivers annual cost savings of up to 28%

### Continuous heating during defrost

#### The new standard in heating comfort:

- > Unique continuous heating technology makes VRV IV Heat Pump the best alternative to traditional heating systems
- > Delivers uninterrupted heat, even during the defrost cycle
- > Maintains comfortable indoor climate at all times

### VRV configurator

#### Advanced software for simplified commissioning, servicing, configuration and customisation:

- > Simplified commissioning: graphical interface to configure, commission and upload system settings
- > Simplified servicing: additional 7-segment indicator for easy and quick access to basic functions and error read out
- > Manage systems over multiple sites

**R-410A****RYYQ-T (up to 20 hp)**

# VRV IV Heat Pump with Continuous Heating



Outdoor Units			RYYQ8T	RYYQ10T	RYYQ12T	RYYQ14T	RYYQ16T	RYYQ18T	RYYQ20T
Capacity	Nominal Cooling	kW	22.40	28.00	33.50	40.00	45.00	50.00	56.00
	Nominal Heating	kW	25.00	31.50	37.50	45.00	50.00	56.00	63.00
EER			4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER			7.53*	7.2*	6.96*	6.83*	6.5*	6.38*	5.67*
COP			4.54	4.27	4.12	4.02	3.91	3.89	3.71
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765
Weight		kg	261	268	268	364	364	398	398
Air Flow Rate		m <sup>3</sup> /sec	2.700	2.917	3.083	3.717	4.333	4.183	4.350
External Static Pressure	High	Pa	78	78	78	78	78	78	78
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415						
	Running Current	amps	8.4	11.5	14.2	17.2	20.6	23.4	29.5
	Starting Current	amps	4						
	Fuse Rating	amps	20	25	32	32	40	40	50
Refrigerant Circuit	Refrigerant Type		R410A						
	Refrigerant Charge	kg	5.9	6.0	6.3	10.3	10.4	11.7	11.8
	Additional Charge	kg	data book						
Sound Pressure		dB(A)	58	58	61	61	64	65	66
Sound Power		dB(A)	78	79	81	81	86	86	88
Piping Limits	Maximum Length	m	165	165	165	165	165	165	165
	Maximum Vertical Rise	m	data book						
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)
	Gas	inch (mm)	3/4 (19)	7/8 (22.2)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)
Capacity Index Limit			100~260	125~325	150~390	175~455	200~520	225~585	250~650
Maximum Number of Connected Indoor Units			64	64	64	64	64	64	64
<b>Trade Condensing Unit Price</b>			<b>£4,542.00</b>	<b>£4,963.00</b>	<b>£6,077.00</b>	<b>£7,090.00</b>	<b>£8,183.00</b>	<b>£9,116.00</b>	<b>£10,028.00</b>

\* The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

**R-410A**

RYYQ-T (22 to 24 hp)

## VRV IV Heat Pump with Continuous Heating



Outdoor Units			RYYQ22T		RYYQ24T	
			RYMQ10T	RYMQ12T	RYMQ8T	RYMQ16T
Capacity	Nominal Cooling	kW	61.50		67.40	
	Nominal Heating	kW	69.00		75.00	
EER			3.77		3.70	
ESEER			7.07*		6.81*	
COP			4.18		4.10	
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765		1685 x 930 x 765	
Weight		kg	195		188	
Air Flow Rate		m <sup>3</sup> /sec	2.917		2.700	
External Static Pressure	High	Pa	78		78	
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415			
	Running Current	amps	11.5		8.4	
	Starting Current	amps	14.2		4	
	Fuse Rating	amps	25		20	
Refrigerant Circuit	Refrigerant Type		R410A			
	Refrigerant Charge	kg	6.0		5.9	
	Additional Charge	kg			10.4	
Sound Pressure		dBA	58		58	
Sound Power		dBA	79		78	
Piping Limits	Maximum Length	m	165		165	
	Maximum Vertical Rise	m	data book			
Piping Connections	Liquid	inch (mm)	5/8 (15.9)		5/8 (15.9)	
	Gas	inch (mm)	1 1/8 (28.6)		1 3/8 (34.9)	
Capacity Index Limit			275~715		300~780	
Maximum Number of Connected Indoor Units			64		64	
<b>Trade Condensing Unit Price</b>			<b>£11,040.00</b>		<b>£12,725.00</b>	

\* The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

**R-410A**

RYYQ-T (26 to 34 hp)

## VRV IV Heat Pump with Continuous Heating



Outdoor Units			RYYQ26T		RYYQ28T		RYYQ30T		RYYQ32T		RYYQ34T			
			RYMQ12T	RYMQ14T	RYMQ12T	RYMQ16T	RYMQ12T	RYMQ18T	RYMQ16T	RYMQ16T	RYMQ16T	RYMQ18T		
Capacity	Nominal Cooling	kW	73.50		78.50		83.50		90.00		95.00			
	Nominal Heating	kW	82.50		87.50		93.50		100.00		106.00			
EER			3.68		3.57		3.52		3.46		3.43			
ESEER			6.89*		6.69*		6.6*		6.5*		6.44*			
COP			4.06		4.00		3.98		3.91		3.90			
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685	1685	1685		
	Width	mm	930	1240	930	1240	930	1240	1240	1240	1240	1240		
	Depth	mm	765	765	765	765	765	765	765	765	765	765		
Weight		kg	195	309	195	309	195	319	309	309	309	319		
Air Flow Rate		m <sup>3</sup> /sec	3.083	3.717	3.083	4.333	3.083	4.183	4.333	4.333	4.333	4.183		
External Static Pressure	High	Pa	78	78	78	78	78	78	78	78	78	78		
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415											
	Running Current	amps	14.2		17.2		14.2		20.6		14.2		23.4	
	Starting Current	amps	4											
	Fuse Rating	amps	32		32		32		40		32		40	
Refrigerant Circuit	Refrigerant Type		R410A											
	Refrigerant Charge	kg	6.3		10.3		6.3		10.4		6.3		11.7	
	Additional Charge	kg	data book											
Sound Pressure		dBA	61		61		61		64		61		65	
Sound Power		dBA	81		81		81		86		81		86	
Piping Limits	Maximum Length	m	165											
	Maximum Vertical Rise	m	data book											
Piping Connections	Liquid	inch (mm)	3/4 (19)		3/4 (19)		3/4 (19)		3/4 (19)		3/4 (19)			
	Gas	inch (mm)	1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)			
Capacity Index Limit			325~845		350~910		375~975		400~1040		425~1105			
Maximum Number of Connected Indoor Units			64		64		64		64		64			
<b>Trade Condensing Unit Price</b>			<b>£13,167.00</b>		<b>£14,260.00</b>		<b>£15,193.00</b>		<b>£16,366.00</b>		<b>£17,299.00</b>			

\* The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

**R-410A**

RYYQ-T (36 to 42 hp)

# VRV IV Heat Pump with Continuous Heating



Outdoor Units			RYYQ36T		RYYQ38T			RYYQ40T			RYYQ42T			
			RYMQ16T	RYMQ20T	RYMQ8T	RYMQ10T	RYMQ20T	RYMQ10T	RYMQ12T	RYMQ18T	RYMQ10T	RYMQ16T	RYMQ16T	
Capacity	Nominal Cooling	kW	101.00		106.00			112.00			118.00			
	Nominal Heating	kW	113.00		120.00			125.00			132.00			
EER			3.21		3.42			3.61			3.54			
ESEER			6.02*		6.36*			6.74*			6.65*			
COP			3.79		4.01			4.05			4.00			
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685	1685	1685	1685	
	Width	mm	1240	1240	930	930	1240	930	930	1240	930	1240	1240	
	Depth	mm	765	765	765	765	765	765	765	765	765	765	765	
Weight		kg	309	319	188	195	319	195	195	319	195	309	309	
Air Flow Rate		m <sup>3</sup> /sec	4.333	4.350	2.700	2.917	4.350	2.917	3.083	4.183	2.917	4.333	4.333	
External Static Pressure	High	Pa	78	78	78	78	78	78	78	78	78	78	78	
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415											
	Running Current	amps	20.6	29.5	8.4	11.5	29.5	11.5	14.2	23.4	11.5	20.6	20.6	
	Starting Current	amps	4											
	Fuse Rating	amps	40	50	20	25	50	25	32	40	25	40	40	
Refrigerant Circuit	Refrigerant Type		R410A											
	Refrigerant Charge	kg	10.4	11.8	5.9	6.0	11.8	6.0	6.3	11.7	6.0	10.4	10.4	
	Additional Charge	kg	data book											
Sound Pressure		dBA	64	66	58	58	66	58	61	65	58	64	64	
Sound Power		dBA	86	88	78	79	88	79	81	86	79	86	86	
Piping Limits	Maximum Length	m	165											
	Maximum Vertical Rise	m	data book											
Piping Connections	Liquid	inch (mm)	3/4 (19)			3/4 (19)			3/4 (19)			3/4 (19)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			450~1170			475~1235			500~1300			525~1365		
Maximum Number of Connected Indoor Units			64			64			64			64		
<b>Trade Condensing Unit Price</b>			<b>£18,211.00</b>		<b>£19,533.00</b>			<b>£20,156.00</b>			<b>£21,329.00</b>			

\* The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

**R-410A**

RYYQ-T (44 to 48 hp)

# VRV IV Heat Pump with Continuous Heating



Outdoor Units			RYYQ44T			RYYQ46T			RYYQ48T				
			RYMQ12T	RYMQ16T	RYMQ16T	RYMQ14T	RYMQ16T	RYMQ16T	RYMQ16T	RYMQ16T	RYMQ16T		
Capacity	Nominal Cooling	kW	124.00			130.00			135.00				
	Nominal Heating	kW	138.00			145.00			150.00				
EER			3.54			3.51			3.46				
ESEER			6.62*			6.6*			6.5*				
COP			3.98			3.94			3.91				
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685	1685		
	Width	mm	930	1240	1240	1240	1240	1240	1240	1240	1240		
	Depth	mm	765	765	765	765	765	765	765	765	765		
Weight		kg	195	309	309	309	309	309	309	309	309		
Air Flow Rate		m <sup>3</sup> /sec	3.083	4.333	4.333	3.717	4.333	4.333	4.333	4.333	4.333		
External Static Pressure	High	Pa	78	78	78	78	78	78	78	78	78		
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415										
	Running Current	amps	14.2	20.6	20.6	17.2	20.6	20.6	20.6	20.6	20.6	20.6	
	Starting Current	amps	4										
	Fuse Rating	amps	32	40	40	32	40	40	40	40	40	40	
Refrigerant Circuit	Refrigerant Type		R410A										
	Refrigerant Charge	kg	6.3	10.4	10.4	10.3	10.4	10.4	10.4	10.4	10.4	10.4	
	Additional Charge	kg	data book										
Sound Pressure		dBA	61	64	64	61	64	64	64	64	64	64	
Sound Power		dBA	81	86	86	81	86	86	86	86	86	86	
Piping Limits	Maximum Length	m	165										
	Maximum Vertical Rise	m	data book										
Piping Connections	Liquid	inch (mm)	3/4 (19)			3/4 (19)			3/4 (19)				
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)				
Capacity Index Limit			550~1430			575~1495			600~1560				
Maximum Number of Connected Indoor Units			64			64			64				
<b>Trade Condensing Unit Price</b>			<b>£22,443.00</b>			<b>£23,456.00</b>			<b>£24,549.00</b>				

\* The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

**R-410A**

RYYQ-T (50 to 54 hp)

# VRV IV Heat Pump with Continuous Heating



Outdoor Units			RYYQ50T			RYYQ52T			RYYQ54T		
			RYMQ16T	RYMQ16T	RYMQ18T	RYMQ16T	RYMQ18T	RYMQ18T	RYMQ18T	RYMQ18T	RYMQ18T
Capacity	Nominal Cooling	kW	140.00			145.00			150.00		
	Nominal Heating	kW	156.00			162.00			168.00		
EER			3.44			3.42			3.40		
ESEER			6.46*			6.42*			6.38*		
COP			3.90			3.89			3.89		
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685	1685
	Width	mm	1240	1240	1240	1240	1240	1240	1240	1240	1240
	Depth	mm	765	765	765	765	765	765	765	765	765
Weight		kg	309	309	319	309	319	319	319	319	319
Air Flow Rate		m <sup>3</sup> /sec	4.333	4.333	4.183	4.333	4.183	4.183	4.183	4.183	4.183
External Static Pressure	High	Pa	78	78	78	78	78	78	78	78	78
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415								
	Running Current	amps	20.6	20.6	23.4	20.6	23.4	23.4	23.4	23.4	23.4
	Starting Current	amps	4								
	Fuse Rating	amps	40	40	40	40	40	40	40	40	40
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	10.4	10.4	11.7	10.4	11.7	11.7	11.7	11.7	11.7
	Additional Charge	kg	data book								
Sound Pressure		dBA	64	64	65	64	65	65	65	65	65
Sound Power		dBA	86	86	86	86	86	86	86	86	86
Piping Limits	Maximum Length	m	165								
	Maximum Vertical Rise	m	data book								
Piping Connections	Liquid	inch (mm)	3/4 (19)			3/4 (19)			3/4 (19)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			625~1625			650~1690			675~1755		
Maximum Number of Connected Indoor Units			64			64			64		
<b>Trade Condensing Unit Price</b>			<b>£25,482.00</b>			<b>£26,415.00</b>			<b>£27,348.00</b>		

\* The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).





**R-410A**

REYQ-T (8 to 12 hp)

## VRV IV Condensing Units – Heat Recovery



Outdoor Units			8 hp Single	10 hp Single	10 hp Multi		12 hp Single
			REYQ8T	REYQ10T	REM5T	REM5T	REYQ12T
Capacity	Nominal Cooling	kW	22.40	28.00	28.00		33.50
	Nominal Heating	kW	22.40	28.00	28.00		33.50
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765
Weight		kg	210	218	198	198	218
Fan	Air Flow Rate	m <sup>3</sup> /sec	2.700	2.917	2.700	2.700	3.084
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415				
	Running Current	amps	8.9	11.8	5.3	5.3	15.3
	Starting Current	amps	4				
	Fuse Rating	amps	20	25	20	20	25
Refrigerant Circuit	Refrigerant Type		R410A				
	Refrigerant Charge	kg	9.7	9.8	9.7	9.7	9.9
	Additional Charge	kg	data book				
Sound Pressure		dBA	58	58	58	58	61
Sound Power		dBA	78	79	78	78	81
Piping Limits	Maximum Total Length	m	1000				
	Maximum Actual Length	m	165				
Piping Connections - Systems	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)		1/2 (12.7)
	Discharge	inch (mm)	5/8 (15.9)	3/4 (19)	3/4 (19)		3/4 (19)
	Gas	inch (mm)	3/4 (19)	7/8 (22.2)	7/8 (22.2)		1 1/8 (28.6)
Capacity Index Limit			100 ~ 260	125 ~ 325	125 ~ 325		150 ~ 390
Maximum Number of Connected Indoor Units			64	64	64		64
<b>Trade Condensing Unit Price</b>			<b>£4,984.00</b>	<b>£5,475.00</b>	<b>£6,840.00</b>		<b>£6,639.00</b>

**R-410A**

REYQ-T (13 to 16 hp)

## VRV IV Condensing Units – Heat Recovery



Outdoor Units			13 hp Multi		14 hp Single	16 hp Single	16 hp Multi	
			REYQ8T	REM5T	REYQ14T	REYQ16T	REYQ8T	REYQ8T
Capacity	Nominal Cooling	kW	36.40		40.00	45.00	45.00	
	Nominal Heating	kW	33.50		40.00	45.00	45.00	
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 930 x 765
Weight		kg	210	210	304	305	210	210
Fan	Air Flow Rate	m <sup>3</sup> /sec	2.700	2.700	3.717	4.334	2.700	2.700
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415					
	Running Current	amps	8.9	5.3	17.4	21.1	8.9	8.9
	Starting Current	amps	4					
	Fuse Rating	amps	20	20	32	40	20	20
Refrigerant Circuit	Refrigerant Type		R410A					
	Refrigerant Charge	kg	9.7	9.7	11.8	11.8	9.7	9.7
	Additional Charge	kg	data book					
Sound Pressure		dBA	58	58	61	64	58	58
Sound Power		dBA	78	78	81	86	78	78
Piping Limits	Maximum Total Length	m	1000					
	Maximum Actual Length	m	165					
Piping Connections - Systems	Liquid	inch (mm)	1/2 (12.7)		1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	
	Discharge	inch (mm)	3/4 (19)		7/8 (22.2)	7/8 (22.2)	7/8 (22.2)	
	Gas	inch (mm)	1 1/8 (28.6)		1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	
Capacity Index Limit			162.5 ~ 422.5		175 ~ 455	200 ~ 520	200 ~ 520	
Maximum Number of Connected Indoor Units			64		64	64	64	
<b>Trade Condensing Unit Price</b>			<b>£8,404.00</b>		<b>£7,827.00</b>	<b>£9,224.00</b>	<b>£9,968.00</b>	

**R-410A**

REYQ-T (18 to 20 hp)

## VRV IV Condensing Units – Heat Recovery



Outdoor Units			18 hp Single		18 hp Multi		20 hp Single		20 hp Multi	
			REYQ18T	REYQ8T	REYQ10T	REYQ20T	REYQ10T	REYQ10T		
Capacity	Nominal Cooling	kW	50.40	51.00		56.00		56.00		
	Nominal Heating	kW	50.40	51.00		56.00		56.00		
Dimensions	Height x Width x Depth	mm	1685 x 1240 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 930 x 765		
Weight		kg	337	210	218	337	218	218		
Fan	Air Flow Rate	m <sup>3</sup> /sec	4.184	2.700	2.917	4.350	2.917	2.917		
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415							
	Running Current	amps	24.6	8.9	11.8	31.1	11.8	11.8		
	Starting Current	amps	4							
	Fuse Rating	amps	40	20	25	50	25	25		
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	11.8	9.7	9.8	11.8	9.8	9.8		
	Additional Charge	kg	data book							
Sound Pressure		dBA	65	58	58	66	58	58		
Sound Power		dBA	86	78	79	88	79	79		
Piping Limits	Maximum Total Length	m	1000							
	Maximum Actual Length	m	165							
Piping Connections - Systems	Liquid	inch (mm)	5/8 (15.9)	5/8 (15.9)		5/8 (15.9)		5/8 (15.9)		
	Discharge	inch (mm)	7/8 (22.2)	7/8 (22.2)		1 1/8 (28.6)		1 1/8 (28.6)		
	Gas	inch (mm)	1 1/8 (28.6)	1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)		
Capacity Index Limit			225 ~ 585	225 ~ 585		250 ~ 650		250 ~ 650		
Maximum Number of Connected Indoor Units			64	64		64		64		
<b>Trade Condensing Unit Price</b>			<b>£10,254.00</b>	<b>£10,459.00</b>		<b>£11,395.00</b>		<b>£10,950.00</b>		

**R-410A**

REYQ-T (22 to 28 hp)

## VRV IV Condensing Units – Heat Recovery



Outdoor Units			22 hp Multi		24 hp Multi		26 hp Multi		28 hp Multi		
			REYQ10T	REYQ12T	REYQ8T	REYQ16T	REYQ12T	REYQ14T	REYQ12T	REYQ16T	
Capacity	Nominal Cooling	kW	61.50		67.40		73.50		78.50		
	Nominal Heating	kW	61.50		67.40		73.50		78.50		
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 1240 x 765	
Weight		kg	218	218	210	305	218	304	218	305	
Air Flow Rate		m <sup>3</sup> /sec	2.917	3.084	2.700	4.334	3.084	3.717	3.084	4.334	
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415								
	Running Current	amps	11.8	15.3	8	21.1	15.3	17.4	15.3	21.1	
	Starting Current	amps	4								
	Fuse Rating	amps	25	25	20	40	25	32	25	40	
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	9.8	9.9	9.7	11.8	9.9	11.8	9.9	11.8	
	Additional Charge	kg	data book								
Sound Pressure		dBA	58	61	58	64	61	61	61	64	
Sound Power		dBA	79	81	78	86	81	81	81	86	
Piping Limits	Maximum Total Length	m	1000								
	Maximum Actual Length	m	165								
Piping Connections - Systems	Liquid	inch (mm)	5/8 (15.9)		5/8 (15.9)		3/4 (19)		3/4 (19)		
	Discharge	inch (mm)	1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)		
	Gas	inch (mm)	1 1/8 (28.6)		1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)		
Capacity Index Limit			275 ~ 715		300 ~ 780		325 ~ 845		350 ~ 910		
Maximum Number of Connected Indoor Units			64		64		64		64		
<b>Trade Condensing Unit Price</b>			<b>£12,114.00</b>		<b>£14,208.00</b>		<b>£14,466.00</b>		<b>£15,863.00</b>		

**R-410A**

REYQ-T (44 to 48 hp)

## VRV IV Condensing Units – Heat Recovery



Outdoor Units			44 hp Multi			46 hp Multi			48 hp Multi		
			REYQ12T	REYQ16T	REYQ16T	REYQ14T	REYQ16T	REYQ16T	REYQ16T	REYQ16T	REYQ16T
Capacity	Nominal Cooling	kW	123.50			130.00			135.00		
	Nominal Heating	kW	123.50			130.00			135.00		
Dimensions	Height x Width x Depth	mm	1685 x 930	1685 x	1685 x	1685 x	1685 x	1685 x	1685 x	1685 x	1685 x
			x 765	1240 x	1240 x	1240 x	1240 x	1240 x	1240 x	1240 x	1240 x
			765	765	765	765	765	765	765	765	765
Weight		kg	218	305	305	319	305	305	305	305	305
Fan	Air Flow Rate	m <sup>3</sup> /sec	3.084	4.334	4.334	3.717	4.334	4.334	4.334	4.334	4.334
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415								
	Running Current	amps	15.3	21.1	21.1	17.4	21.1	21.1	21.1	21.1	21.1
	Starting Current	amps	4								
	Fuse Rating	amps	25	40	40	32	40	40	40	40	40
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	9.9	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
	Additional Charge	kg	data book			data book			data book		
Sound Pressure		dBA	61	64	64	61	64	64	64	64	64
Sound Power		dBA	81	86	86	81	86	86	86	86	86
Piping Limits	Maximum Total Length	m	1000			1000			1000		
	Maximum Actual Length	m	165			165			165		
Piping Connections - Systems	Liquid	inch (mm)	3/4 (19)			3/4 (19)			3/4 (19)		
	Discharge	inch (mm)	1 3/8 (34.9)			1 3/8 (34.9)			1 3/8 (34.9)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			550 ~ 1430			575 ~ 1495			600 ~ 1560		
Maximum Number of Connected Indoor Units			64			64			64		
<b>Trade Condensing Unit Price</b>			<b>£25,087.00</b>			<b>£26,275.00</b>			<b>£27,672.00</b>		

**R-410A**

REYQ-T (50 to 54 hp)

## VRV IV Condensing Units – Heat Recovery



Outdoor Units			50 hp Multi			52 hp Multi			54 hp Multi		
			REYQ16T	REYQ16T	REYQ18T	REYQ16T	REYQ18T	REYQ18T	REYQ18T	REYQ18T	REYQ18T
Capacity	Nominal Cooling	kW	140.40			145.80			151.20		
	Nominal Heating	kW	140.40			145.80			151.20		
Dimensions	Height x Width x Depth	mm	1685 x	1685 x	1685 x	1685 x	1685 x	1685 x	1685 x	1685 x	1685 x
			1240 x	1240 x	1240 x	1240 x	1240 x	1240 x	1240 x	1240 x	1240 x
			765	765	765	765	765	765	765	765	765
Weight		kg	305	305	337	305	337	337	337	337	337
Fan	Air Flow Rate	m <sup>3</sup> /sec	4.334	4.334	4.184	4.334	4.184	4.184	4.184	4.184	4.184
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415								
	Running Current	amps	21.1	21.1	24.6	21.1	24.6	24.6	24.6	24.6	24.6
	Starting Current	amps	4								
	Fuse Rating	amps	40	40	40	40	40	40	40	40	40
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
	Additional Charge	kg	data book			data book			data book		
Sound Pressure		dBA	64	64	65	64	65	65	65	65	65
Sound Power		dBA	86	86	86	86	86	86	86	86	86
Piping Limits	Maximum Total Length	m	1000			1000			1000		
	Maximum Actual Length	m	165			165			165		
Piping Connections - Systems	Liquid	inch (mm)	3/4 (19)			3/4 (19)			3/4 (19)		
	Discharge	inch (mm)	1 3/8 (34.9)			1 3/8 (34.9)			1 3/8 (34.9)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			625 ~ 1625			650 ~ 1690			675 ~ 1755		
Maximum Number of Connected Indoor Units			64			64			64		
<b>Trade Condensing Unit Price</b>			<b>£28,702.00</b>			<b>£29,732.00</b>			<b>£30,762.00</b>		

**R-410A**

REYQ-T (30 to 36 hp)

## VRV IV Condensing Units – Heat Recovery



Outdoor Units			30 hp Multi		32 hp Multi		34 hp Multi		36 hp Multi	
			REYQ12T	REYQ18T	REYQ16T	REYQ16T	REYQ16T	REYQ18T	REYQ16T	REYQ20T
Capacity	Nominal Cooling	kW	83.90		90.00		95.40		101.00	
	Nominal Heating	kW	83.90		90.00		95.40		101.00	
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765
Weight		kg	218	337	305	305	305	337	305	337
Fan	Air Flow Rate	m <sup>3</sup> /sec	3.084	4.184	4.334	4.334	4.334	4.184	4.334	4.350
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415							
	Running Current	amps	15.3	24.6	21.1	21.1	21.1	24.6	21.1	31.1
	Starting Current	amps	4							
	Fuse Rating	amps	25	40	40	40	40	40	40	50
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	9.9	11.8	11.8	11.8	11.8	11.8	11.8	11.8
	Additional Charge	kg	data book							
Sound Pressure		dBA	61	65	64	64	64	65	64	66
Sound Power		dBA	81	86	86	86	86	86	86	88
Piping Limits	Maximum Total Length	m	1000							
	Maximum Actual Length	m	165							
Piping Connections - Systems	Liquid	inch (mm)	3/4 (19)		3/4 (19)		3/4 (19)		3/4 (19)	
	Discharge	inch (mm)	1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)	
	Gas	inch (mm)	1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)		1 5/8 (41.3)	
Capacity Index Limit			375 ~ 975		400 ~ 1040		425 ~ 1105		450 ~ 1170	
Maximum Number of Connected Indoor Units			64		64		64		64	
<b>Trade Condensing Unit Price</b>			<b>£16,893.00</b>		<b>£18,448.00</b>		<b>£19,478.00</b>		<b>£20,619.00</b>	

**R-410A**

REYQ-T (38 to 42 hp)

## VRV IV Condensing Units – Heat Recovery



Outdoor Units			38 hp Multi			40 hp Multi			42 hp Multi		
			REYQ8T	REYQ12T	REYQ18T	REYQ10T	REYQ12T	REYQ18T	REYQ10T	REYQ16T	REYQ16T
Capacity	Nominal Cooling	kW	106.30			111.90			118.00		
	Nominal Heating	kW	106.30			111.90			118.00		
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 1240 x 765
Weight		kg	210	218	337	218	218	337	218	305	305
Fan	Air Flow Rate	m <sup>3</sup> /sec	2.700	3.084	4.184	2.917	3.084	4.184	2.917	4.334	4.334
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415								
	Running Current	amps	8.9	15.3	24.6	11.8	15.3	24.6	11.8	21.1	21.1
	Starting Current	amps	4								
	Fuse Rating	amps	20	25	40	25	25	40	25	40	40
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	9.7	9.9	11.8	9.8	9.9	11.8	9.8	11.8	11.8
	Additional Charge	kg	data book			data book			data book		
Sound Pressure		dBA	58	61	65	58	61	65	58	64	64
Sound Power		dBA	78	81	86	79	81	86	79	86	86
Piping Limits	Maximum Total Length	m	1000			1000			1000		
	Maximum Actual Length	m	165			165			165		
Piping Connections - Systems	Liquid	inch (mm)	3/4 (19)			3/4 (19)			3/4 (19)		
	Discharge	inch (mm)	1 3/8 (34.9)			1 3/8 (34.9)			1 3/8 (34.9)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			475 ~ 1235			500 ~ 1300			525 ~ 1365		
Maximum Number of Connected Indoor Units			64			64			64		
<b>Trade Condensing Unit Price</b>			<b>£21,877.00</b>			<b>£22,368.00</b>			<b>£23,923.00</b>		

R-410A

RXYQQ-T / RQEQ-P3

## Replacement VRV-Q

### Optimise your business

#### Tackle more projects in less time:

Due to faster installation, VRV-Q is more cost-effective than replacing the full system with new piping.

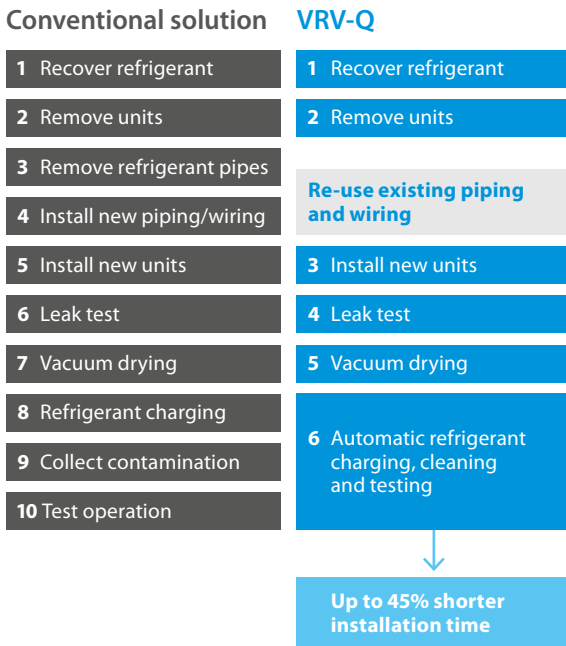
#### Lower installation costs:

Offer customers the overall lowest cost solution and improve your competitive edge.

#### Easy as one-two-three:

A simple solution: Daikin VRV-Q enables you to handle more projects for more customers in less time and offer them the best price! Everybody wins.

### Compare installation steps



### Customer benefits

#### Always operational

#### Avoid loss of business

Replacing now prevents unplanned, lengthy disruption of air conditioning systems. It also avoids loss of business for shops, complaints from guests in hotels, lower working efficiency and loss of tenants in offices.

#### Quick and easy installation

No interruption of daily business while replacing the system thanks to phased-in, fast installation.

#### Lower long-term costs

Repairing systems with R-22 has been prohibited since 31 December 2014. Installing a technically advanced Replacement VRV-Q system reduces energy consumption and maintenance costs from day one.

### New

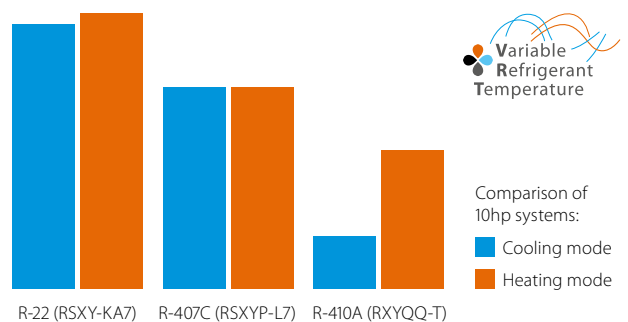
Now it's possible to connect VRV IV BS boxes, including the small, light Multi BS boxes designed to offer the largest & most flexible range of design & installation options available.

### The Daikin low-cost upgrade solution

- Reuse drain pipes**  
Durable PVC pipes can be easily reused. Only flow tests are required.
- Reuse refrigerant pipes**  
Pipes used for R-22 will also work with VRV-Q, thanks to lower operating pressures of the system.
- Reuse refrigerant branch pipes**  
There are no restrictions when upgrading from a Daikin VRV system. Other VRF systems require branch pipes to withstand pressure up to 3.3 MPa.
- Replace indoor units and BS boxes**  
Contact your local dealer to check compatibility in case you need to keep the indoor units.
- Reuse remote control wiring**  
Reuse wiring when upgrading from a Daikin VRV system. In other cases, this will depend on the cable type.
- Reuse indoor-outdoor wiring**  
Restrictions: see remote control wiring.
- Replace outdoor units**

### Reduced energy consumption

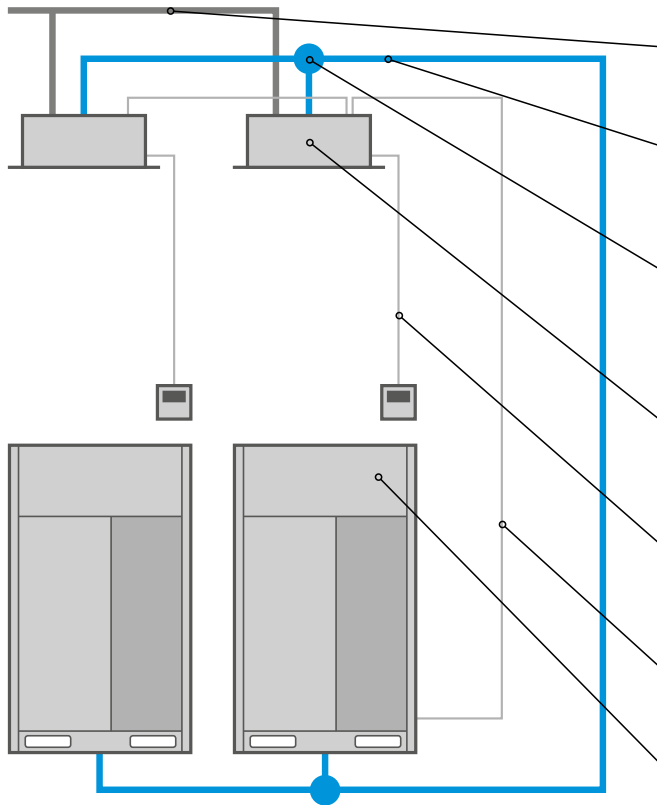
Up to 40% energy saving



## Key Guidelines for a Quality Replacement with VRV-Q

R22 is a hydrochlorofluorocarbon (HCFC) which was commonly used in air conditioning systems. However, both new and recycled sources of R22 are now banned.

Many systems today are still running on R22. But as R22 is no longer available, now's the time to replace R22 systems. The good news is that Daikin's VRV-Q solution delivers significantly higher energy efficiencies, with the potential of saving up to 50%, compared with installing a completely new system.



### Refrigerant branch pipes

Refrigerant branch pipes, including those from other manufacturers, Y-refnets, T-refnets and headers, can be reused under the following conditions:

- ✓ Pipes are corrosion-free
- ✓ Pipes are insulated
- ✓ Pipes can withstand a pressure up to 3.3 MPa
- ✓ There are no special components that implement decompression (e.g. oil trap)
- ✓ Installed copper pipework is in suitable condition (piping thickness will generally meet specifications, since the unique Daikin VRV solution operates at lower pressure levels)

### The Daikin low-cost upgrade solution

#### ✓ Reuse drain pipes

Durable PVC pipes can be easily reused. Only flow tests are required.

#### ✓ Reuse refrigerant pipes

Pipes used for R-22 will also work with VRV-Q, thanks to lower operating pressures of the system.

#### ✓ Reuse refrigerant branch pipes

There are no restrictions when upgrading from a Daikin VRV system. Other VRF systems require branch pipes to withstand pressure up to 3.3 MPa.

#### ! Replace indoor units and BS boxes

Contact your local dealer to check compatibility in case you need to keep the indoor units.

#### ✓ Reuse remote control wiring

Reuse wiring when upgrading from a Daikin VRV system. In other cases, this will depend on the cable type.

#### ✓ Reuse indoor-outdoor wiring

Restrictions: see remote control wiring.

#### ! Replace outdoor units

### Refrigerant oil

Refrigerant piping can be reused if one of the following oils was used: Barrel Freeze, Ethereal, Ester, Ferreol, HAB, MS, Suniso.

### Maximum piping lengths and level distances

VRV-Q can be installed for piping systems with a total length up to 300m. See data book for further guidelines.



**R-410A**

RXVQQ-T (up to 20 hp)

## VRV IV-Q Condensing Unit – Heat Pump

Outdoor Units			RXYQQ8T	RXYQQ10T	RXYQQ12T	RXYQQ14T	RXYQQ16T	RXYQQ18T	RXYQQ20T
Capacity	Nominal Cooling	kW	22.40	28.00	33.50	40.00	45.00	50.00	56.00
	Nominal Heating	kW	25.00	31.50	37.50	45.00	50.00	56.00	63.00
EER			4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER			7.53*	7.20*	6.96*	6.83*	6.50*	6.38*	5.67*
COP			4.54	4.27	4.12	4.02	3.91	3.89	3.71
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685
	Width	mm	930	930	930	1240	1240	1240	1240
	Depth	mm	765	765	765	765	765	765	765
Weight		kg	187	194	194	306	305	314	314
Air Flow Rate		m <sup>3</sup> /sec	2.700	2.917	3.083	3.717	3.883	4.183	4.350
External Static Pressure	High	Pa	78						
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415						
	Running Current	amps	8.4	11.5	14.2	17.2	20.6	23.4	29.5
	Starting Current	amps	4						
	Fuse Rating	amps	20	25	32	32	40	40	50
Refrigerant Circuit	Refrigerant Type		R410A						
	Refrigerant Charge	kg	5.9	6.0	6.3	10.3	10.4	11.7	11.8
	Additional Charge	kg	data book						
Sound Pressure	Nom	dBA	58	58	61	61	64	65	66
Sound Power	Nom	dBA	78	79	81	81	86	86	88
Piping Limits	Maximum Length	m	120						
	Maximum Vertical Rise	m	50						
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)
	Gas	inch (mm)	3/4 (19)	7/8 (22.2)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)
Capacity Index Limit			100~260	125~325	150~390	175~455	200~520	225~585	250~650
Maximum Number of Connected Indoor Units			64	64	64	64	64	64	64
<b>Trade Condensing Unit Price</b>			<b>£5,077.00</b>	<b>£5,548.00</b>	<b>£6,435.00</b>	<b>£7,508.00</b>	<b>£8,665.00</b>	<b>£10,165.00</b>	<b>£11,161.00</b>

\*The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

Please see note on page 91 regarding VRV III-Q warranty, and contact your local sales office for more information on VRV III-Q installation.

**R-410A**

RXVQQ-T (22 to 28 hp)

## VRV IV-Q Condensing Unit – Heat Pump



Outdoor Units			RXYQQ22T		RXYQQ24T		RXYQQ26T		RXYQQ28T	
			RXYQQ10T	RXYQQ12T	RXYQQ8T	RXYQQ16T	RXYQQ12T	RXYQQ14T	RXYQQ12T	RXYQQ16T
Capacity	Nominal Cooling	kW	61.50		67.40		73.50		78.50	
	Nominal Heating	kW	69.00		75.00		82.50		87.50	
EER			3.78		3.70		3.68		3.57	
ESEER			7.07*		6.81*		6.89*		6.69*	
COP			4.19		4.10		4.06		4.00	
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685
	Width	mm	930	930	930	1240	930	1240	930	1240
	Depth	mm	765	765	765	765	765	765	765	765
Weight		kg	194	194	187	305	194	306	194	305
Air Flow Rate		m <sup>3</sup> /sec	2.917	3.083	2.100	3.883	3.083	3.717	3.083	3.883
External Static Pressure	High	Pa	78							
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415							
	Running Current	amps	11.5	14.2	8.4	20.6	14.2	17.2	14.2	20.6
	Starting Current	amps	4							
	Fuse Rating	amps	25	32	20	40	32	32	32	40
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	6.0	6.3	5.29	10.4	6.3	10.3	6.3	10.4
	Additional Charge	kg	data book							
Sound Pressure	Nom	dBA	58	61	58	64	61	61	61	64
Sound Power	Nom	dBA	79	81	78	86	81	81	81	86
Piping Limits	Maximum Length	m	120							
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	5/8 (15.9)		5/8 (15.9)		3/4 (19)		3/4 (19)	
	Gas	inch (mm)	1 1/8 (28.6)		1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)	
Capacity Index Limit			275~715		300~780		325~845		350~910	
Maximum Number of Connected Indoor Units			64		64		64		64	
<b>Trade Condensing Unit Price</b>			<b>£11,983.00</b>		<b>£13,742.00</b>		<b>£13,943.00</b>		<b>£15,100.00</b>	

\*The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

Please see note on page 91 regarding VRV III-Q warranty, and contact your local sales office for more information on VRV III-Q installation.

**R-410A**

RXVQQ-T (30 to 36 hp)

## VRV IV-Q Condensing Unit – Heat Pump



Outdoor Units			RXVQQ30T		RXVQQ32T		RXVQQ34T		RXVQQ36T	
			RXVQQ12T	RXVQQ18T	RXVQQ16T	RXVQQ16T	RXVQQ16T	RXVQQ18T	RXVQQ16T	RXVQQ20T
Capacity	Nominal Cooling	kW	83.50		90.00		95.00		101.00	
	Nominal Heating	kW	93.50		100.00		106.00		113.00	
EER			3.53		3.50		3.40		3.20	
ESEER			6.60*		6.50*		6.44*		6.02*	
COP			3.98		3.90		3.90		3.80	
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685
	Width	mm	930	1240	1240	1240	1240	1240	1240	1240
	Depth	mm	765	765	765	765	765	765	765	765
Weight		kg	194	314	305	305	305	314	305	314
Air Flow Rate		m <sup>3</sup> /sec	3.083	4.183	3.883	3.883	3.883	4.183	3.883	4.350
External Static Pressure	High	Pa	78							
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415							
	Running Current	amps	14.2	23.4	20.6	20.6	20.6	23.4	20.6	29.5
	Starting Current	amps	4							
	Fuse Rating	amps	32	40	40	40	40	40	40	50
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	6.3	11.7	10.4	10.4	10.4	11.7	10.4	11.8
	Additional Charge	kg	data book							
Sound Pressure	Nom	dBA	61	65	64	64	64	65	64	66
Sound Power	Nom	dBA	81	86	86	86	86	86	86	88
Piping Limits	Maximum Length	m	120							
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	3/4 (19)		3/4 (19)		3/4 (19)		3/4 (19)	
	Gas	inch (mm)	1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)		1 5/8 (41.3)	
Capacity Index Limit			375~975		400~1040		425~1105		450~1170	
Maximum Number of Connected Indoor Units			64		64		64		64	
<b>Trade Condensing Unit Price</b>			<b>£16,600.00</b>		<b>£17,330.00</b>		<b>£18,830.00</b>		<b>£19,826.00</b>	

\*The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

Please see note on page 91 regarding VRV III-Q warranty, and contact your local sales office for more information on VRV III-Q installation.

**R-410A**

RXVQQ-T (38 to 42 hp)

## VRV IV-Q Condensing Unit – Heat Pump



Outdoor Units			RXVQQ38T			RXVQQ40T			RXVQQ42T		
			RXVQQ8T	RXVQQ10T	RXVQQ20T	RXVQQ10T	RXVQQ12T	RXVQQ18T	RXVQQ10T	RXVQQ16T	RXVQQ16T
Capacity	Nominal Cooling	kW	106.40			111.50			118.00		
	Nominal Heating	kW	119.50			125.00			131.50		
EER			3.43			3.61			3.54		
ESEER			6.36*			6.74*			6.65*		
COP			4.00			4.05			3.99		
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685	1685
	Width	mm	930	930	1240	930	930	1240	930	1240	1240
	Depth	mm	765	765	765	765	765	765	765	765	765
Weight		kg	187	194	314	194	194	314	194	305	305
Air Flow Rate		m <sup>3</sup> /sec	2.100	2.917	4.350	2.917	3.083	4.183	2.917	3.883	3.883
External Static Pressure	High	Pa	78								
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415								
	Running Current	amps	8.4	11.5	29.5	11.5	14.2	23.4	11.5	20.6	20.6
	Starting Current	amps	4								
	Fuse Rating	amps	20	25	50	25	32	40	25	40	40
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	5.9	6.0	11.8	6.0	6.3	11.7	6.0	10.4	10.4
	Additional Charge	kg	data book								
Sound Pressure	Nom	dBA	58	58	66	58	61	65	58	64	64
Sound Power	Nom	dBA	78	79	88	79	81	86	79	86	86
Piping Limits	Maximum Length	m	120								
	Maximum Vertical Rise	m	50								
Piping Connections	Liquid	inch (mm)	3/4 (19)			3/4 (19)			3/4 (19)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			475~1235			500~1300			525~1365		
Maximum Number of Connected Indoor Units			64			64			64		
<b>Trade Condensing Unit Price</b>			<b>£21,786.00</b>			<b>£22,148.00</b>			<b>£22,878.00</b>		

\*The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

Please see note on page 91 regarding VRV III-Q warranty, and contact your local sales office for more information on VRV III-Q installation.

**R-410A**

RQCEQ-P3 (28.0 to 45.0 kW)

## VRV III-Q Condensing Unit – Heat Recovery

Outdoor Units			RQCEQ280P3		RQCEQ360P3		RQCEQ460P3			
			RQEQ140P3	RQEQ140P3	RQEQ180P3	RQEQ180P3	RQEQ140P3	RQEQ140P3	RQEQ180P3	
Capacity	Nominal Cooling	kW	28.00		36.00		45.00			
	Nominal Heating	kW	32.00		40.00		52.00			
Dimensions	Height	mm	1680	1680	1680	1680	1680	1680	1680	
	Width	mm	635	635	635	635	635	635	635	
	Depth	mm	765	765	765	765	765	765	765	
Weight		kg	175	175	175	175	175	175	175	
Air Flow Rate		m <sup>3</sup> /sec	1.583	1.583	1.833	1.833	1.583	1.583	1.833	
External Static Pressure	High	Pa	78		78		78			
Electrical Details	Power Supply	Phase	3ph							
		Hz	50							
		V	380~415							
	Running Current	amps	5.5	5.5	8.0	8.0	5.5	5.5	8.0	
	Starting Current	amps	4		4		4		4	
	Fuse Rating	amps	15	15	20	20	15	15	20	
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	10.3	10.3	10.6	10.6	10.3	10.3	10.6	
	Additional Charge	kg	data book							
Sound Pressure	Nom	dBA	54	54	58	58	54	54	58	
Piping Limits	Maximum Length	m	120			120			120	
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	3/8 (9.5)			1/2 (12.7)			1/2 (12.7)	
	Gas	inch (mm)	7/8 (22.2)			1 (25)			1 1/8 (28.6)	
	Discharge	inch (mm)	3/4 (19)			3/4 (19)			7/8 (22.2)	
Capacity Index Limit			140~364			180~468			230~598	
Maximum Number of Connected Indoor Units			21			28			34	
<b>Trade Condensing Unit Price</b>			<b>£6,570.00</b>			<b>£8,450.00</b>			<b>£10,795.00</b>	

Please see note on page 91 regarding VRV III-Q warranty, and contact your local sales office for more information on VRV III-Q installation.

**R-410A**

RQCEQ-P3 (50.0 to 63.6 kW)

## VRV III-Q Condensing Unit – Heat Recovery

Outdoor Units			RQCEQ500P3			RQCEQ540P3			RQCEQ636P3		
			RQEQ140P3	RQEQ180P3	RQEQ180P3	RQEQ180P3	RQEQ180P3	RQEQ180P3	RQEQ212P3	RQEQ212P3	RQEQ212P3
Capacity	Nominal Cooling	kW	50.00			54.00			63.60		
	Nominal Heating	kW	56.00			60.00			67.20		
Dimensions	Height	mm	1680	1680	1680	1680	1680	1680	1680	1680	
	Width	mm	635	635	635	635	635	635	635	635	
	Depth	mm	765	765	765	765	765	765	765	765	
Weight		kg	175	175	175	175	175	179	179	179	
Air Flow Rate		m <sup>3</sup> /sec	1.583	1.833	1.833	1.833	1.833	1.833	1.833	1.833	
Electrical Details	Power Supply	Phase	3ph								
		Hz	50								
		V	380~415								
	Running Current	amps	5.5	8.0	8.0	8.0	8.0	8.0	11.5	11.5	11.5
	Starting Current	amps	4			4			4		
	Fuse Rating	amps	15	20	20	20	20	20	20	20	
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	10.3	10.6	10.6	10.6	10.6	10.6	11.2	11.2	11.2
	Additional Charge	kg	data book								
Sound Pressure	Nom	dBA	54	58	58	58	58	58	60	60	60
Piping Limits	Maximum Length	m	120								
	Maximum Vertical Rise	m	50								
Piping Connections	Liquid	inch (mm)	5/8 (15.9)			5/8 (15.9)			5/8 (15.9)		
	Gas	inch (mm)	1 1/8 (28.6)			1 1/8 (28.6)			1 1/8 (28.6)		
	Discharge	inch (mm)	7/8 (22.2)			7/8 (22.2)			1 (25)		
Capacity Index Limit			250~650			270~702			318~827		
Maximum Number of Connected Indoor Units			39			43			47		
<b>Trade Condensing Unit Price</b>			<b>£11,735.00</b>			<b>£12,675.00</b>			<b>£14,937.00</b>		

Please see note on page 91 regarding VRV III-Q warranty, and contact your local sales office for more information on VRV III-Q installation.

**R-410A**

RQCEQ-P3 (71.2 to 74.4 kW)

## VRV III-Q Condensing Unit – Heat Recovery



Outdoor Units			RQCEQ712P3				RQCEQ744P3			
			RQEQ140P3	RQEQ180P3	RQEQ180P3	RQEQ212P3	RQEQ140P3	RQEQ180P3	RQEQ212P3	RQEQ212P3
Capacity	Nominal Cooling	kW	71.20				74.40			
	Nominal Heating	kW	78.40				80.80			
Dimensions	Height	mm	1680	1680	1680	1680	1680	1680	1680	1680
	Width	mm	635	635	635	635	635	635	635	635
	Depth	mm	765	765	765	765	765	765	765	765
Weight		kg	175	175	175	179	175	175	179	179
Air Flow Rate		m <sup>3</sup> /sec	1.583	1.833	1.833	1.833	1.833	1.833	1.833	1.833
Electrical Details	Power Supply	Phase	3ph							
		Hz	50							
		V	350~415							
	Running Current	amps	5.5	8.0	8.0	11.5	5.5	8.0	11.5	11.5
	Starting Current	amps	4				4			
	Fuse Rating	amps	15	20	20	20	15	20	20	20
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	10.3	10.6	10.6	11.2	10.3	10.6	11.2	11.2
	Additional Charge	kg	data book							
Sound Pressure	Nom	dBA	54	58	58	60	54	58	60	60
Piping Limits	Maximum Length	m	120							
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	5/8 (15.9)				3/4 (19)			
	Gas	inch (mm)	1 1/8 (28.6)				1 3/8 (34.9)			
	Discharge	inch (mm)	1 (25)				1 (25)			
Capacity Index Limit			356~926				372~967			
Maximum Number of Connected Indoor Units			52				56			
<b>Trade Condensing Unit Price</b>			<b>£16,714.00</b>				<b>£17,468.00</b>			

Please see note on page 91 regarding VRV III-Q warranty, and contact your local sales office for more information on VRV III-Q installation.

**R-410A**

RQCEQ-P3 (81.6 to 84.8 kW)

## VRV III-Q Condensing Unit – Heat Recovery



Outdoor Units			RQCEQ816P3				RQCEQ848P3			
			RQEQ180P3	RQEQ212P3	RQEQ212P3	RQEQ212P3	RQEQ212P3	RQEQ212P3	RQEQ212P3	RQEQ212P3
Capacity	Nominal Cooling	kW	81.60				84.80			
	Nominal Heating	kW	87.20				89.60			
Dimensions	Height	mm	1680	1680	1680	1680	1680	1680	1680	1680
	Width	mm	635	635	635	635	635	635	635	635
	Depth	mm	765	765	765	765	765	765	765	765
Weight		kg	175	179	179	179	179	179	179	179
Air Flow Rate		m <sup>3</sup> /sec	1.833	1.833	1.833	1.833	1.833	1.833	1.833	1.833
Electrical Details	Power Supply	Phase	3ph							
		Hz	50							
		V	380~415							
	Running Current	amps	8.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5
	Starting Current	amps	4				4			
	Fuse Rating	amps	20	20	20	20	20	20	20	20
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	10.6	11.2	11.2	11.2	11.2	11.2	11.2	11.2
	Additional Charge	kg	data book							
Sound Pressure	Nom	dBA	58	60	60	60	60	60	60	60
Piping Limits	Maximum Length	m	120							
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	3/4 (19)				3/4 (19)			
	Gas	inch (mm)	1 3/8 (34.9)				1 3/8 (34.9)			
	Discharge	inch (mm)	1 1/8 (28.6)				1 1/8 (28.6)			
Capacity Index Limit			408~1061				424~1102			
Maximum Number of Connected Indoor Units			60				64			
<b>Trade Condensing Unit Price</b>			<b>£19,162.00</b>				<b>£19,916.00</b>			

Please see note on page 91 regarding VRV III-Q warranty, and contact your local sales office for more information on VRV III-Q installation.

# Daikin Network Service System (DNSS)

## Remote Monitoring and Lifecycle Management



DNSS is a remote monitoring system, which will allow you to continuously optimise the running of your Daikin equipment; control your energy consumption (so reduce your Carbon Footprint), extend the life span of your equipment and reduce operational costs.

### Prevent product malfunctions

The DNSS will analyse the data from your equipment every minute of the day and will alert us before the equipment actually breaks down. In this way, failures can be prevented and possible down time reduced to an absolute minimum.

### Remote diagnostics

The DNSS continuously checks the cleanliness of the system filters and heat exchanger. Furthermore, the DNSS manages a wide range of data (pressures, temperatures, running hours, etc.) in order to let your equipment run as efficiently and trouble free as possible. This will also prevent your equipment from using too much energy.

### Extend product lifetime

The DNSS is designed to make sure that your equipment is maintained and running as efficiently as possible. This optimisation will extend the lifespan of your equipment.

### Malfunction messages

In the unlikely event of a problem occurring, your regional Daikin UK office will contact you directly. Our engineers, who are dedicated to your installation, will inform you regarding the nature of the problem and will help you towards the next step of solving the problem.

### Your installation under continuous monitoring

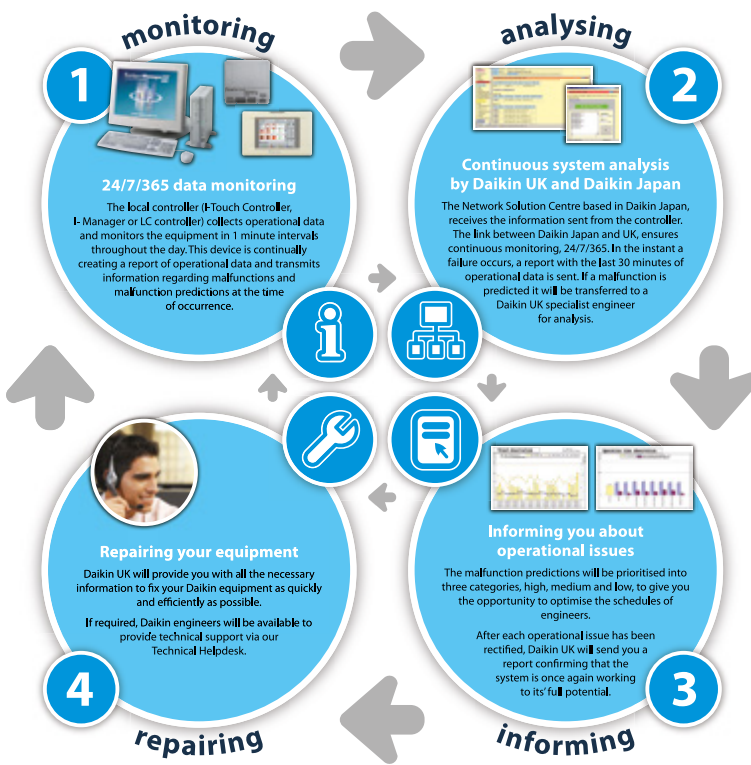
- > 24/7, 365 days a year remote monitoring
- > Predictive maintenance
- > Improved reliability
- > Improved comfort levels
- > Helps increase efficiency
- > Helps reduce maintenance costs
- > Extends product lifetime

### Extra value at low cost

- > A strategy of preventing breakdowns and limiting unnecessary maintenance visits
- > Efficiently organising site interventions by diagnosing the nature and the extent of the problem before going to site
- > Innovative technology that helps to optimise your equipment's potential
- > Ensures the most comfortable environment in your premises

### Installation requirements:

- > DNSS requires an Intelligent Touch Controller or Intelligent Touch Manager to be installed on site, to act as the data relay point
- > The controller cost is not included in the Commissioning price, but must be purchased separately
- > A Lan connection must be provided local to the installed controller with the ability to make an outgoing connection to the internet
- > Alternatively a 3G connection can be supplied by Daikin at an additional cost



### Commissioning

Model	Description	Trade Price
<b>DNSS is sold at nett price. No discounts will apply</b>		
UK.FS-DNSS1-3VRV	DNSS commissioning of 1 to 3 VRV systems	£450.00
UK.FS-DNSS4-6VRV	DNSS commissioning of 4 to 6 VRV systems	£500.00
UK.FS-DNSS7-9VRV	DNSS commissioning of 7 to 9 VRV systems	£600.00
UK.FS-DNSS10-12VRV	DNSS commissioning of 10 to 12 VRV systems	£700.00
UK.FS-DNSS13-15VRV	DNSS commissioning of 13 to 15 VRV systems	£800.00
UK.FS-DNSS16-18VRV	DNSS commissioning of 16 to 18 VRV systems	£1,000.00
UK.FS-DNSS19-21VRV	DNSS commissioning of 19 to 21 VRV systems	£1,200.00

### Annual monitoring

Model	Description	Trade Price
<b>DNSS is sold at nett price. No discounts will apply</b>		
UK.FS-DNSS/VRV/IND	Annual DNSS monitoring of a single module VRV system	£150.00
UK.FS-DNSS/VRV/2ND	Annual DNSS monitoring of a twin module VRV system	£200.00
UK.FS-DNSS/VRV/3ND	Annual DNSS monitoring of a triple module VRV system	£250.00



# VRV-Q Warranty

## Warranty and site services

The warranty for VRV-Q systems operates under different conditions from our standard warranty. To ensure complete suitability of the existing site, a choice of optional warranty and special site services packages are available from Daikin Airconditioning UK Ltd. These choices will ensure the VRV-Q system is designed and commissioned to provide the client with complete 'peace of mind' operation.

### The choices include:

- a) Pre-order checks on the existing pipework and fan coils installed on the clients' site to ensure suitability for VRV-Q installation
- b) Commissioning of the new VRV-Q installation to ensure correct and efficient operation

Warranty options for 3 or 5 years are available depending on the qualification criteria and the type of system being installed.

Commissioning Log Books should be available for inspection by Daikin Airconditioning UK Ltd if required.

The tables below provide an overview of the choices. For full details please contact your local sales office.



## VRV-Q Warranty Choices

### 1. VRV-Q combined with new fan coil units

Warranty Package Level	For Site with <b>New Fan Coils</b>	
	non D1/D1+	D1/D1+
Condensing Unit Warranty Period	3 Years	5 Years
Fan Coil Unit Warranty Period	3 Years	5 Years
Site Pre-Order Inspection	By trained approved engineer <sup>(1)</sup> OR by Daikin Airconditioning UK Ltd (additional cost)	
Commissioning	By approved engineer <sup>(1)</sup> (subsequent projects) OR by Daikin Airconditioning UK Ltd (additional cost)	

### 2. VRV-Q combined with existing fan coil units

Warranty Package Level	For Site with <b>Existing Fan Coils</b>	
	non D1/D1+	D1/D1+
Condensing Unit Warranty Period	3 Years	5 Years
Existing Fan Coil Unit Warranty Period	0 Years	0 Years
Site Pre-Order Inspection	By trained approved engineer <sup>(1)(2)</sup> OR by Daikin Airconditioning UK Ltd (additional cost)	
Commissioning	By approved engineer <sup>(1)</sup> (subsequent projects) OR by Daikin Airconditioning UK Ltd (additional cost)	

### Notes:

- <sup>(1)</sup> Approved engineer to sign commissioning report and be able to identify DAUK official training programme attended, SE19 VRV-Q required
- <sup>(2)</sup> Trained approved engineer to collect 2 hours of data per system from the service checker for assessment

Daikin Support Options	Cost	Code
Site pre-order inspection per system*	£175.00	UK.SFV/N/INSP
Site pre-inspection (existing fan coils) including 2 hour service checker analysis per system*	£285.00	UK.SFV/E/INSP
Daikin commissioning per system*	£400.00	UK.SFV/SYCOMM
Daikin full day commissioning assistance	£585.00	UK.SFV/FULLCOMM

\*System is defined as a maximum of 3 connected condensers. All prices shown are Net. No further discount can be applied.



## VRV-Q Warranty Detail

### Approved engineer

An approved engineer is an engineer who:

1. Is suitably registered in accordance with F-gas regulations
2. Has successfully completed a Daikin Airconditioning UK Ltd VRV Air Cooled installation and commissioning course within the last 3 years
3. Has completed SE19 VRV-Q course in the past 3 years

### Net price

Net price, exclusive of VAT and subject to our standard terms and conditions. No other discounts are applicable.

*Prices shown for site pre-order inspection and commissioning are for work undertaken during normal working hours between 09:00 and 17:30. Any request for attendance to site out of these hours is subject to additional charges.*

### Warranty

To activate the warranty, the Daikin Airconditioning UK Ltd VRV Commissioning Log Book will need to be fully completed and submitted to Daikin Airconditioning UK Ltd FQS department for checking. Upon receipt and validation that all required details are provided and satisfactory, Daikin Airconditioning UK Ltd will issue a confirmation letter that the warranty is activated. Where Daikin Airconditioning UK Ltd will complete the commissioning, we will provide a copy of the Commissioning Log Book to the installation contractor. Except where mentioned above, our standard warranty conditions will apply. If none of the packaged options are chosen, then the warranty will be limited to a standard 12 month parts only cover.

### Site pre-order inspection

Where required, Daikin Airconditioning UK Ltd will attend the site to check the suitability of the existing equipment and pipework for connection to VRV-Q. Where it is not possible to check operation or equipment condition, this will also be highlighted in the final report, and appropriate recommendations made.

If an approved engineer carries out the site inspection, then a Daikin Airconditioning UK Ltd supplied form shall be completed and submitted to our FQS department for checking and approval prior to any order being accepted.

The pre-order site inspection will include the following items:

- **Existing system(s) capacity** – necessary to estimate required system load for the new system
  - Record all the model numbers and the serial numbers for the indoor and the outdoor units and indicate actual installed system combinations

- **Check status of the existing indoor units** – necessary if the existing units are to be reused
  - Check filter condition
  - Check coil condition
  - Check fan motor operation – select fan only and check for air movement and for unusual noise and vibration
- **Installed pipework details** – necessary to check compliance with the manufacturer's specification and assess install quality. This would highlight any required rectification prior to the installation of the new system
  - Provide as installed pipework diagrams. If not available, provide as installed pipe work schematics from information gathered on site
  - Check the distance from the outdoor to the farthest indoor along the pipe work route
  - Check the distance from the first Refnet fitting to the farthest indoor unit
  - Check the height difference between the outdoor and the lowest indoor when the outdoor is situated above the indoor units or height difference between the outdoor and the highest indoor if the outdoor is situated below the indoor units
  - Check the height difference between the highest and the lowest indoor connected to the same system
  - Provide the lengths of all installed pipe sizes
  - Check the installation position and angle of the Refnet Joints
  - Check the condition of the pipe insulation
  - Check the adequacy of the existing pipe supports
- **Installed communication and control wiring** – necessary to check compliance with the manufacturer's specification, suitability for the new system and suitability for new controls specification
  - Check sizes and type of the interconnecting communication cables between indoor units, outdoor units and any central control systems
  - Check the separation between the power wiring and the installed controls wiring
- **Power wiring to the outdoor units** – necessary to check suitability for the new outdoor units
  - Check supply voltage
  - Check number of outlets available adjacent to the outdoor units compound
  - Check fuse/MCB sizes and types
  - Check status of the isolators

# VRV-Q Warranty Detail

- **System health checks** – it is important to know if the existing systems are operating to their optimum. If there are issues which may affect the new installation they need to be identified and rectified before installation of the new system. A comprehensive list of the operating data can be collected by connecting a VRV Checker to each system and recording a minimum of one hour operation data for analysis. This data should be sent back to Daikin Airconditioning UK Ltd FQS department for analysis
  - Operate the whole system in cooling for ½ hour and in heating for ½ hour to collect representative data
  - Send data to Daikin Airconditioning UK Ltd FQS department for analysis
- **System history check** – although the new VRV-Q system is designed to re-use existing pipework and in some cases existing indoor units it is still necessary to know the existing systems operational history to judge its integrity for the new application
  - Check for presence of leak protection dye and acid level – use total test kit
  - Ensure that no Acid Away chemical has ever been added to the system refrigerant charge
- **Existing system controls** – investigate currently installed local controls, centralised controls and connection to the third party systems. This is particularly necessary if any existing controls are planned to be re-used

## Commissioning

Dependant on the requirement, either an approved engineer or Daikin Airconditioning UK Ltd will provide system commissioning on the completed installation. As mentioned in the warranty section above, a completed log book will need to be submitted to activate the warranty

Commissioning where not provided by Daikin Airconditioning UK Ltd, can only be completed by an approved engineer.

Where Daikin Airconditioning UK Ltd provides commissioning as part of the package this shall include:

- Check installation of new units – ensure new piping is installed correct to Daikin specification
- Check power supplies – local isolators, MCB rating
- Fill in model number data, serial numbers etc. to commissioning log book
- Initialise VRV System and ensure all units communicate
- Set up additional control systems – ITC, Bacnet and provide demonstration
- Charge additional refrigerant
- Perform "Test" operation – including "Automatic" charging function
- Connect service checker and monitor operation – Cool>Heat>Heat Recovery
- Complete Commissioning Log Book
- Provide additional comments and recommendations if necessary
- Leave operation set as required by client

Prior to our site attendance the following shall be completed:

- All communication wiring is complete and terminated correctly
- All electrical work is complete and correct (supply wiring type and size – Breaker size correct)
- All systems piping has been pressure tested to 33 Bar
- All systems piping has been evacuated to < 5 Torr
- All systems piping has been measured and is available for our information
- Sufficient additional refrigerant is available on the day

Any other works other than those detailed above are excluded.

## DNSS (Daikin Network Service System)

Where Daikin Airconditioning UK Ltd provide DNSS this shall include the following items:

- Commissioning of DNSS system (on-site service)
- GPRS router and SIM (this will be property of Daikin Airconditioning UK Ltd)
- Remote energy saving service
- 24/7 monitoring of VRV operating data
- Instant notification of system malfunction (email) 7 days a week
- Malfunction prediction service (during office hours 09.00 - 17.30)
- Bi-annual energy saving report indicating electricity cost saving and reduction in CO<sub>2</sub> emissions
- Recommendations to improve operating settings
- Issue of a DNSS user pack

All of the above will be provided for the warranty period of the VRV (either 3 or 5 years) depending on the package selected.

Prior to our site attendance the following shall be completed:

- A device compatible with DNSS is installed on site – Daikin Intelligent Manager, Daikin Intelligent Touch Controller or Daikin LC controller. (Not included in the price of the monitoring package)
- All electrical work is complete and correct (supply wiring type and size – breaker size correct) also F1/F2 communications are installed
- A full set of as installed drawings are available – indicating system configurations, installation locations and room references
- A power source is installed for the GPRS modem near the control device – this can be powered from a standard socket
- A connection to the internet is available – for areas where there is poor GPRS coverage a LAN or analogue phone connection must be installed near the control device. (Installation and rental costs are not included in the price of the monitoring package)
- Full access must be made available to the VRV equipment and if any access equipment is required Daikin UK must be informed prior to the site visit
- A list of contacts must be issued to Daikin Airconditioning UK Ltd (these are the contacts that should be e-mailed or telephoned in the event of a malfunction or error with the air conditioning system). If these change in the future, information will be given in the user pack for how to notify Daikin Airconditioning UK Ltd of the changes

This is an extract from the Daikin publication "Warranty and Site Services Package for VRV-Q". Please contact your local sales office to receive a copy and obtain further information.

# Water Cooled VRV

Water cooled VRV uses water as its source of heat. This enables not just heat recovery on each system, but also heat recovery between different systems, maximising efficiency. Additionally there is no defrost required on these units meaning heating comfort is maintained even during cold spells.

## Ideal for large buildings

VRV-W systems are capable of coping with water pressures of 2MPa and provide pipework lengths of up to 120m length from condenser to fan coils.

### The new VRV IV features are available on water cooled VRV systems including:

- > **Variable Refrigerant Temperature** – delivering far higher efficiency than any other comparable system and ensuring comfort by raising off coil temperatures, Variable Refrigerant Temperature control delivers a leap forwards in VRV technology.
- > **Configurator** – Simplified commissioning: graphical interface to configure, commission and upload system settings. Manage systems over multiple sites, saves time and reduces errors during set-up and commissioning.

- > The standard model is now capable of accepting geothermal water temperatures (Down to -10 Deg C with glycol)
- > Inverter water pump controller (available on request)
- > Connect to AHU applications and Heat Reclaim Ventilation devices
- > Now it's even possible to connect VRV IV BS boxes, including the small, light Multi BS boxes designed to offer the largest & most flexible range of design & installation options available.

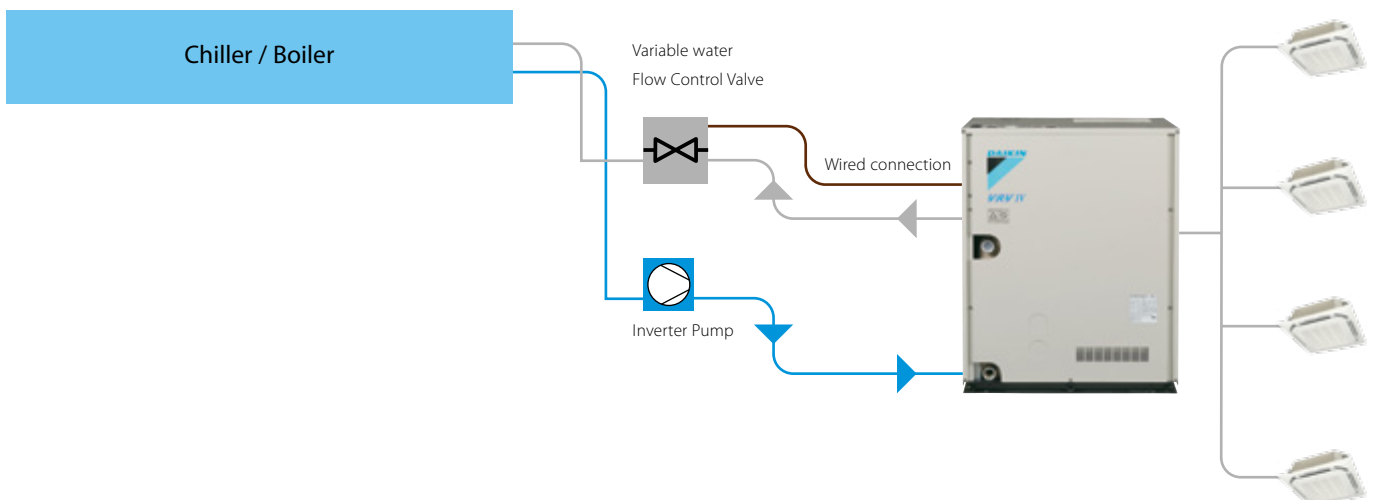
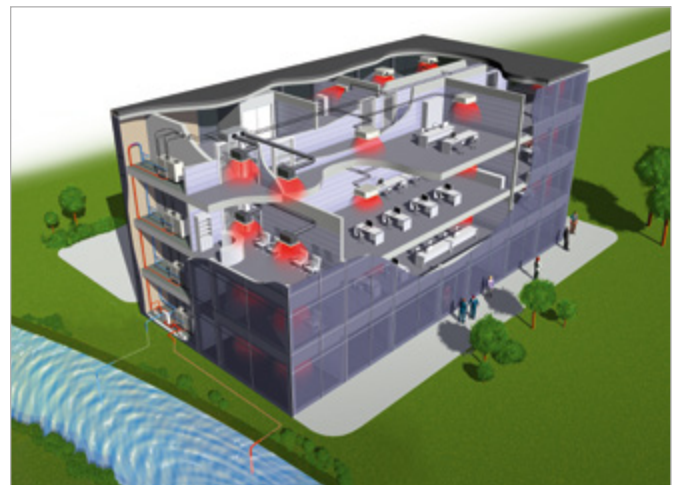
## Water flow control

Significantly reduce inverter pump power input by reducing the flow through the VRV-W condenser when at part load.

By linking the degree of valve opening to the compressor frequency, the flow rate varies to match the load.

Consequently as the flow rate reduces, the inverter pump will slow down and save energy.

- > Up to 13 steps of flow control available
- > Available as an option (factory fitted)
- > 50l/m minimum flow rate







Heat Pump and Heat Recovery RWEYQ-T8 (up to 24 hp)

# VRV IV Water Cooled Condensing Units

Outdoor Units			RWEYQ8T8		RWEYQ10T8		RWEYQ16T8		RWEYQ18T8		RWEYQ20T8		RWEYQ24T8		
			RWEYQ8T8	RWEYQ10T8	RWEYQ8T8	RWEYQ8T8	RWEYQ8T8	RWEYQ10T8	RWEYQ10T8	RWEYQ10T8	RWEYQ10T8	RWEYQ10T8	RWEYQ8T8	RWEYQ8T8	RWEYQ8T8
Capacity	Nominal Cooling	kW	22.40	28.00	44.80		50.40		56.00		62.20		67.20		
	Nominal Heating	kW	25.00	31.50	50.00		56.50		63.00		69.50		75.00		
EER			5.07	4.56	5.07		4.77		4.56		5.07		5.07		
COP			5.94	5.25	5.94		5.53		5.25		5.94		5.94		
Dimensions	Height	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Width	mm	780	780	780	780	780	780	780	780	780	780	780	780	780
	Depth	mm	550	550	550	550	550	550	550	550	550	550	550	550	550
Weight		kg	137	137	137	137	137	137	137	137	137	137	137	137	
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415												
	Running Current	amps	7.2	9.5	14.4		16.7		19.0		21.6		21.6		
	Starting Current	amps	4	4	4		4		4		4		4		
	Fuse Rating	amps	20	20	32		32		32		50		50		
Refrigerant Circuit	Refrigerant Type		R410A												
	Refrigerant Charge	kg	3.5	4.2	3.5	3.5	3.5	4.2	4.2	4.2	3.5	3.5	3.5		
	Additional Charge	kg	data book	data book	data book		data book		data book		data book				
Sound Pressure		dB(A)	50	51	53		54		54		55		55		
Piping Limits	Maximum Length	m	120	120	120		120		120		120		120		
	Maximum Vertical Rise	m	50	50	50		50		50		50		50		
Piping Connections	Liquid	inch (mm)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)		5/8 (15.9)		5/8 (15.9)		5/8 (15.9)		5/8 (15.9)		
	Gas (Heat pump) Suction (HR)	inch (mm)	3/4 (19.1)	7/8 (22.2)	1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)		1 3/8 (34.9)		
	Gas Discharge (HR only)	inch (mm)	5/8 (15.9)	3/4 (19)	7/8 (22.2)		7/8 (22.2)		7/8 (22.2)		7/8 (22.2)		1 1/8 (28.6)		
	Drain	Outlet	ISO 228 - G1 1/2 B Internal thread - Per module												
	Water	Inlet & Outlet	ISO 228 - G1 1/4 B External thread - Per module												
Capacity Index Limit			100~260	125~325	200~520		225~585		250~650		300~780		300~780		
Maximum Number of Connected Indoor Units			36	36	36		36		36		36		36		
<b>Trade Condensing Unit Price</b>			<b>£5,524.00</b>	<b>£6,807.00</b>	<b>£11,048.00</b>		<b>£12,331.00</b>		<b>£13,614.00</b>		<b>£16,572.00</b>				

Notes:

- Daikin have introduced the new VRV IV Water Cooled condensing unit to complement the rest of the VRV range. The water cooled system has a number of advantages over an air cooled system:
- suitable for tall multi-storied buildings due to no limitations of water piping length
  - wide operation range with inlet water temperatures of -10°C to + 45°C
  - suitable for use with open and closed loop ground source systems on request
  - the system offers greater efficiency in heating mode as there is no defrost cycle required for the water loop
  - greater efficiencies than air cooled systems

Heat Pump and Heat Recovery RWEYQ-T8 (26 to 30 hp)

# VRV IV Water Cooled Condensing Units

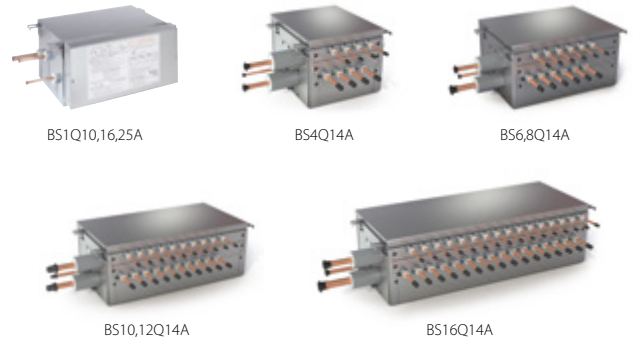
Outdoor Units			RWEYQ26T8			RWEYQ28T8			RWEYQ30T8		
			RWEYQ8T8	RWEYQ8T8	RWEYQ10T8	RWEYQ8T8	RWEYQ10T8	RWEYQ10T8	RWEYQ10T8	RWEYQ10T8	RWEYQ10T8
Capacity	Nominal Cooling	kW	72.80			78.40			84.00		
	Nominal Heating	kW	81.50			88.00			94.50		
EER			4.86			4.69			4.56		
COP			5.65			5.43			5.25		
Dimensions	Height	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Width	mm	780	780	780	780	780	780	780	780	780
	Depth	mm	550	550	550	550	550	550	550	550	550
Weight		kg	137	137	137	137	137	137	137	137	
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415								
	Running Current	amps	23.9			26.2			28.5		
	Starting Current	amps	4.0			4.0			4.0		
	Fuse Rating	amps	50			50			50		
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	3.5	3.5	4.2	3.5	4.2	4.2	4.2	4.2	4.2
	Additional Charge	kg	data book								
Sound Pressure		dB(A)	55			55			56		
Piping Limits	Maximum Length	m	120			120			120		
	Maximum Vertical Rise	m	50			50			50		
Piping Connections	Liquid	inch (mm)	3/4 (19.1)			3/4 (19.1)			3/4 (19.1)		
	Gas (Heat pump) Suction (HR)	inch (mm)	1 3/8 (34.9)			1 3/8 (34.9)			1 3/8 (34.9)		
	Gas Discharge (HR only)	inch (mm)	1 1/8 (28.6)			1 1/8 (28.6)			1 1/8 (28.6)		
	Drain	Outlet	ISO 228 - G1 1/2 B Internal thread - Per module								
	Water	Inlet & Outlet	ISO 228 - G1 1/4 B External thread - Per module								
Capacity Index Limit			325~845			350~910			375~975		
Maximum Number of Connected Indoor Units			36			36			36		
<b>Trade Condensing Unit Price</b>			<b>£17,855.00</b>			<b>£19,138.00</b>			<b>£20,421.00</b>		

Notes:

The VRV IV Water Cooled system is supplied as a common unit and can be used in either heat pump and heat recovery modes, from size 10 to size 30 all using a three phase power supply. The 30 hp system can connect to up to 36 indoor units. The system is fully compatible with the full range of existing VRV fan coils and controls packages. It should be installed in a plant room.

# VRV Accessories VRV IV Branch Selector Boxes – Heat Recovery

The new VRV IV Heat Recovery series has a new range of BS boxes, which are designed to offer unrivalled flexibility – enabling you to install and adapt the systems in as little time, effort and cost as possible.



### Main features:

- > Unlimited unused ports
- > Smaller, lighter and quieter than comparable products
- > Fan coils up to 140 class can be attached to a single port

All VRV IV Heat Recovery, VRV III-Q replacement and Water Cooled VRV (RWEYQ-T8) now use VRV IV Multi Boxes.

Single Boxes for VRV IV Heat Recovery (REYQ-T / RWEYQ-T8 / RQEQ-P3)			Single Boxes		
			BS1Q10A	BS1Q16A	BS1Q25A
Dimensions	H x W x D	mm	207 x 388 x 326		
Weight		kg	12	12	15
Total Indoor Capacity			15 ~ 100	101 ~ 160	161 ~ 250
Number of Fan Coil Units			6	8	8
Electrical Details	Power Supply	Phase / Hz / V	1 / 50 / 230		
	Power Input	kW	0.005		
	Fuse Rating	amps	15		
Piping Limits	Level Difference	m	data book		
	Maximum Length	m	data book		
Piping Connections Indoor	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
	Gas	inch (mm)	5/8 (15.9)	5/8 (15.9)	7/8 (22.2)
Piping Connections Outdoor	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
	Suction	inch (mm)	5/8 (15.9)	5/8 (15.9)	7/8 (22.2)
	Discharge	inch (mm)	1/2 (12.7)	1/2 (12.7)	3/4 (19)
<b>Trade Accessory Price</b>			<b>£337.00</b>	<b>£372.00</b>	<b>£427.00</b>

Multi Boxes for VRV IV Heat Recovery (REYQ-T / RWEYQ-T8 / RQEQ-P3)			Multi Boxes					
			BS4Q14AV1	BS6Q14AV1	BS8Q14AV1	BS10Q14AV1	BS12Q14AV1	BS16Q14AV1
Dimensions	H x W x D	mm	298 x 370 x 430	298 x 580 x 430		298 x 820 x 430		298 x 1060 x 430
Weight		kg	17	24	26	35	38	50
Branches per box			4	6	8	10	12	16
Capacity index of each branch			140 or less					
Number of Fan Coil Units per branch			5 per branch					
Total Indoor Capacity Index			400 or less	600 or less	750 or less			
Total number of Fan Coil units per box			20	30	40	50	60	64
Electrical Details	Power Supply	Phase / Hz / V	1 / 50 / 230					
	Power Input	kW	0.043	0.064	0.086	0.107	0.129	0.172
	Fuse Rating	amps	15	15	15	15	15	15
Piping Limits	Level Difference	m	Data Book					
	Maximum Length	m	Data Book					
Piping Connections Indoor	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
	Gas	inch (mm)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)
Piping Connections Outdoor	Liquid	inch (mm)	3/8 (9.5)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	3/4 (19)
	Suction	inch (mm)	7/8 (22.2)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 3/8 (34.9)
	Discharge	inch (mm)	3/4 (19)	3/4 (19)	3/4 (19)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)
<b>Trade Accessory Price</b>			<b>£1,550.00</b>	<b>£2,123.00</b>	<b>£2,792.00</b>	<b>£3,357.00</b>	<b>£4,114.00</b>	<b>£5,008.00</b>

### Accessories:

Accessory Ref	Description	Trade Price
KHRP26A250T	Junction pipe kit to link two Multi BS ports to connect 20 and 25kW fan coils	£280.00
KHFP26M224	Stop valve kit for multi BS box future expansion without refrigerant recovery	£92.00
KHFP26A100C	Pipe closing kit for unused ports	£45.00



# VRV Accessories VRV IV Branch Selector Boxes with Pre-fitted Valves

One of the main benefits of the Daikin VRV multi BS boxes is the flexibility they offer when changing the layout of the system to cater for the changing tenant needs on a building.



To further increase the flexibility of the BS boxes, we now offer the full range of multi BS boxes with **pre-fitted valves**. Having valves pre-installed on the boxes can save considerable time and effort on site.

## Pre-installed valves allow:

- > Indoor units to be added without altering system pipework
- > New units can be added without having to remove refrigerant from the rest of the system
  - So you can avoid having to pump down / vac out / recharge the whole system
  - Saves many man hours when altering systems

Note: Providing index is not increased above the next pipework threshold or the BS box index limit

Model No	UK.BS4Q14AV1/FSV	UK.BS6Q14AV1/FSV	UK.BS8Q14AV1/FSV	UK.BS10Q14AV1/FSV	UK.BS12Q14AV1/FSV	UK.BS16Q14AV1/FSV
No. of Ports	4	6	8	10	12	16
Original Depth mm	430					
Original Weight kg	17	24	26	35	38	50
*Weight with Valves kg	22	31	34	45	49	64
<b>BS Box Price</b>	<b>£1,550.00</b>	<b>£2,123.00</b>	<b>£2,792.00</b>	<b>£3,357.00</b>	<b>£4,114.00</b>	<b>£5,008.00</b>
<b>Valve Modification Price**</b>	<b>£255.00</b>	<b>£357.00</b>	<b>£459.00</b>	<b>£561.00</b>	<b>£663.00</b>	<b>£867.00</b>

\* Approx

\*\* Not subject to standard trade discount

## R-410A

RXYSQ, RYYQ, REYQ, RWEYQ

## VRV Condensing Unit – Refnet Joints

For Outdoor Units	2-Pipe System Refrigerant Sizing between Refnet Joints and Indoor/Outdoor Units RXYSQ / RYYQ / RWEYQ				Trade Price
	Total Capacity of Indoor Units	Liquid Pipe	Suction Pipe	Refnet Selection	
RXYQ5P / RXYSCQ / RXYSQ4-6PA	Below 62.5	1/4	1/2	KHRQ22M20T	<b>£29.00</b>
	62.5 to 162.5	3/8	5/8	KHRQ22M20T	<b>£29.00</b>
RYYQ8-54T / RWEYQ-T	Below 150	3/8	5/8	KHRQ22M20T	<b>£29.00</b>
	150 to below 200	3/8	3/4	KHRQ22M20T	<b>£29.00</b>
	200 to below 290	3/8	7/8	KHRQ22M29T9	<b>£36.00</b>
	290 to below 420	1/2	1 1/8	KHRQ22M64T	<b>£38.00</b>
	420 to 639	5/8	1 1/8	KHRQ22M64T	<b>£38.00</b>
	640 and above	Please contact your local sales office for selection			KHRQ22M75T
	Refnet Header			KHRQ22M29H	<b>£114.00</b>
	Refnet Header			KHRQ22M64H	<b>£139.00</b>
	Refnet Header			KHRQ22M75H	<b>£182.00</b>
	Condensing Unit Branch Kit - 2 Module RYYQ, RWEYQ			BHFQ22P1007	<b>£78.00</b>
	Condensing Unit Branch Kit - 3 Module RYYQ			BHFQ22P1517	<b>£153.00</b>
	Condensing Unit Branch Kit - 2 Module RQYQ			BHFP22P36C	<b>£96.00</b>
	Condensing Unit Branch Kit - 3 Module RQYQ			BHFP22P54C	<b>£191.00</b>

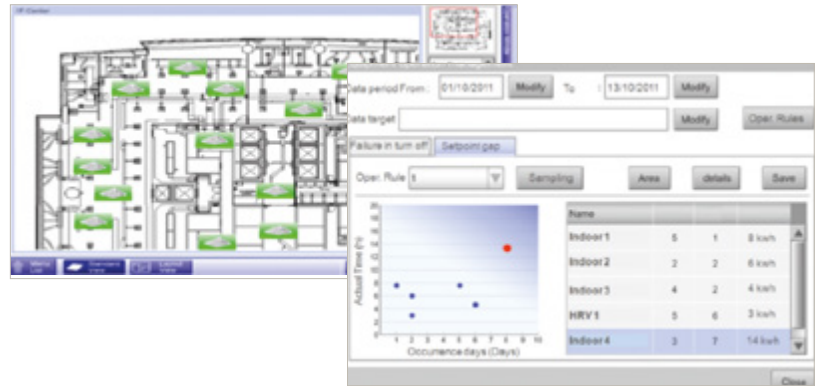
For Outdoor Units	3-Pipe System Refrigerant Sizing between Refnet Joints and Indoor/Outdoor Units REYQ / RWEYQ				Trade Price	
	Total Capacity of Indoor Units	Liquid Pipe	Discharge Pipe	Suction Pipe		Refnet Selection
RWEYQ8-30T / REYQ-T	Below 150	3/8	1/2	5/8	KHRQ23M20T	<b>£42.00</b>
	150 to below 200	3/8	5/8	3/4	KHRQ23M20T	<b>£42.00</b>
	200 to below 290	3/8	3/4	7/8	KHRQ23M29T9	<b>£55.00</b>
	290 to below 420	1/2	3/4	1 1/8	KHRQ23M64T	<b>£58.00</b>
	420 to 639	5/8	1 1/8	1 1/8	KHRQ23M64T	<b>£58.00</b>
	640 and above	Please contact your local sales office for selection			KHRQ23M75T	<b>£72.00</b>
	Refnet Header			KHRQ23M29H	<b>£157.00</b>	
	Refnet Header			KHRQ23M64H	<b>£190.00</b>	
	Refnet Header			KHRQ23M75H	<b>£267.00</b>	
	Condensing Unit Branch Kit - 2 Module REYQ, RWEYQ			BHFQ23P907	<b>£145.00</b>	
	Condensing Unit Branch Kit - 3 Module REYQ, RWEYQ			BHFQ23P1357	<b>£293.00</b>	
	Condensing Unit Branch Kit - 2 Module RQEQ			BHFP26P36C	<b>£164.00</b>	
	Condensing Unit Branch Kit - 3 Module RQEQ			BHFP26P63C	<b>£333.00</b>	
	Condensing Unit Branch Kit - 4 Module RQEQ			BHFP26P84C	<b>£442.00</b>	

# VRV Accessories Mini Building Management System



## User friendly

- > Intuitive user interface
- > Visual layout view and direct access to indoor unit main functions
- > All functions direct accessible via touch screen or via web interface

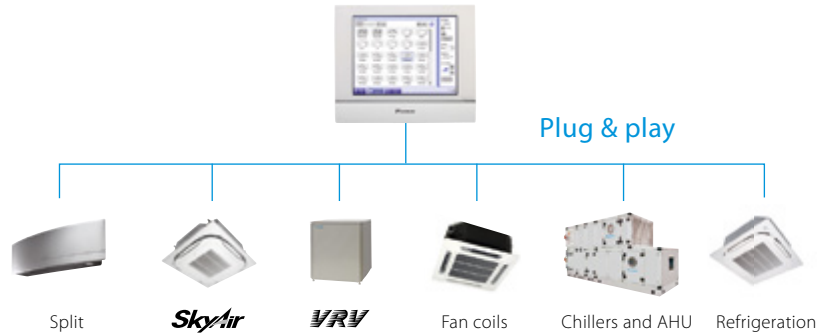


## Smart energy management

- > Monitoring if energy use is according to plan
- > Helps to detect origins of energy waste
- > Powerful schedules guarantee correct operation throughout the year
- > Save energy by interlocking A/C operation with other equipment such as heating

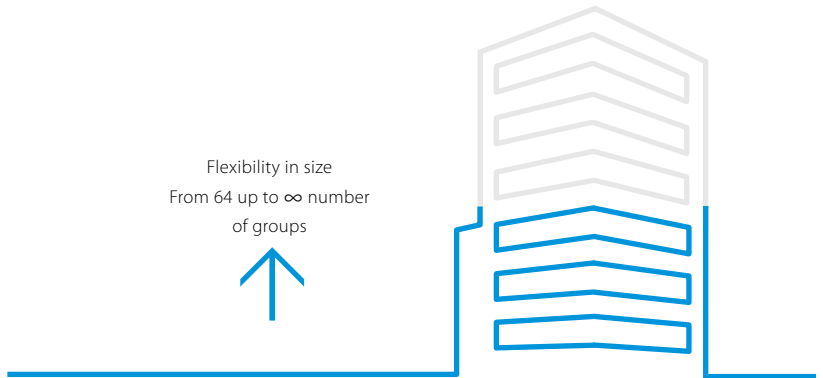
## Flexibility

- > Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
- > BACnet protocol for 3rd party products integration
- > I/O for integration of equipment such as lights, pumps etc. on WAGO modules
- > Modular concept for small to large applications
- > Control up to 512 indoor unit groups via one ITM and combine multiple ITM via the web interface



## Easy servicing and commissioning

- > Remote refrigerant containment check preventing on site visit
- > Simplified troubleshooting
- > Save time on commissioning thanks to the pre-commissioning tool
- > Auto registration of indoor units



## Functions overview



### Management

- > Web access
- > Power Proportional Distribution (option)
- > Operational history (malfunctions, operation hours, ...)
- > Smart energy management
  - monitor if energy use is according to plan
  - detect origins of energy waste
- > Setback function
- > Sliding temperature

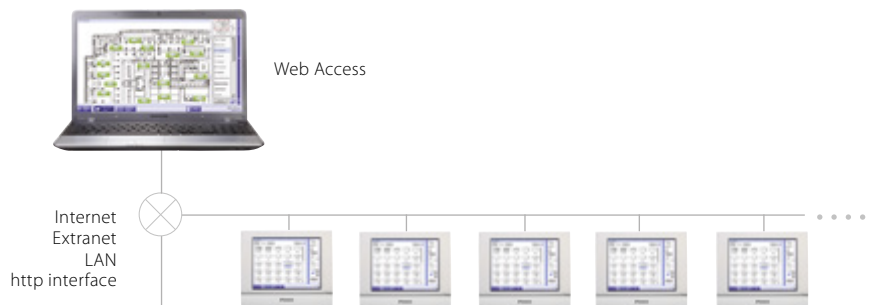
### Control

- > Individual control
- > Schedule setting (weekly schedule, yearly calendar, seasonal schedule)
- > Interlock control
- > Setpoint limitation
- > Temperature limit

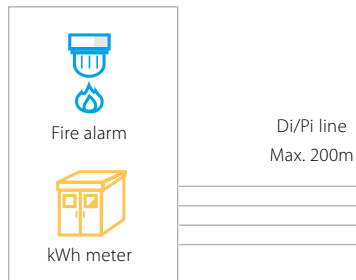
### Connectable to

- > DX Split, Sky Air, VRV
- > Chillers (via POL638.70 controller)
- > Daikin AHU
- > Fan coils
- > Daikin Altherma Flex type
- > LT and HT hydroboxes
- > Air curtains
- > WAGO I/O, AO and PI
- > BACnet protocol
- > WAGO Interface

# VRV Accessories System Overview



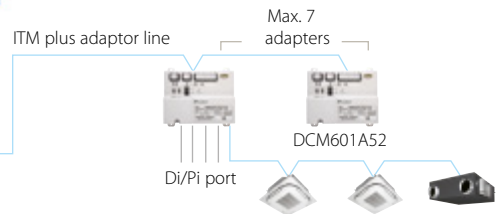
## Integration of third party equipment



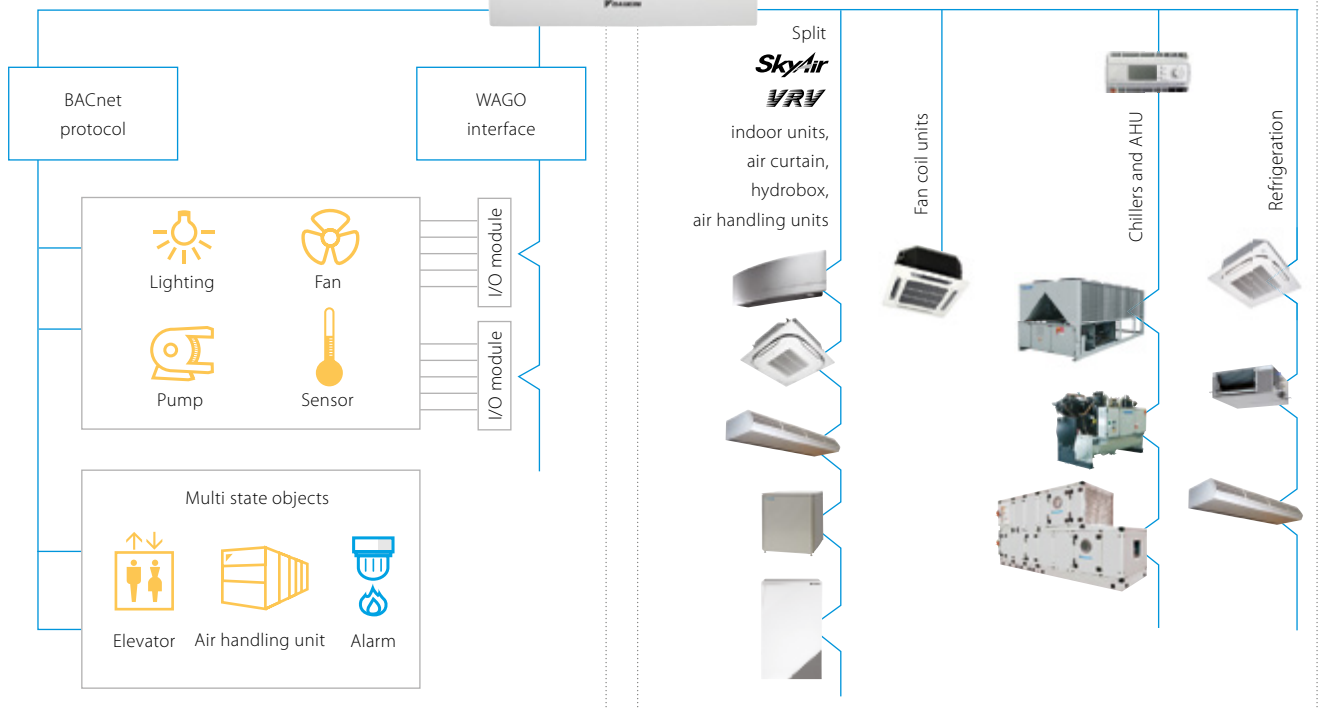
## Intelligent Manager













## Full control of Daikin HVAC-R portfolio













## Direct plug & play connection!



# VRV Accessories Remote Controllers (supplied loose)

VRV Remote Control Options	Model	Description	Related Fan Coil	Trade Price
<b>Hard Wired Controllers</b>				
	<b>BRC1E52A</b>	Premium wired remote controller with full text menu, Energy features and 7 Day Time Clock	All	<b>£76.00</b>
	<b>BRC2E52C</b>	Premium wired controller with simplified outlook	All	<b>£80.00</b>
	<b>UK.BRC2E/CHR/POL</b>	Polished chrome simplified controller, recessed in wall	All	<b>£180.00</b>
	<b>UK.BRC2E/CHR/BRU</b>	Brushed chrome simplified controller, recessed in wall	All	<b>£180.00</b>
	<b>UK.BRC2E/BRA/POL</b>	Polished brass simplified controller, recessed in wall	All	<b>£180.00</b>
	<b>BRC3E52C</b>	Simplified remote controller (without heat/cool button)	All	<b>£80.00</b>
	<b>UK.BRC3E/CHR/POL</b>	Polished chrome simplified controller, recessed in wall (without heat/cool button)	All	<b>£180.00</b>
	<b>UK.BRC3E/CHR/BRU</b>	Brushed chrome simplified controller, recessed in wall (without heat/cool button)	All	<b>£180.00</b>
	<b>UK.BRC3E/BRA/POL</b>	Polished brass simplified controller, recessed in wall (without heat/cool button)	All	<b>£180.00</b>
	<b>BRP7A51/UK.FB2</b>	Digital input adaptor for Key card and Window switch contacts with programmable logic	For use with Simplified controllers	<b>£85.00</b>
<b>Infra Red controllers</b>				
	<b>BRC4C61</b>	Wireless remote controller	FXKQ-MA	<b>£135.00</b>
	<b>BRC4C62</b>	Wireless remote controller	FXDQ-M9	<b>£135.00</b>
	<b>BRC4C65</b>	Wireless remote controller	FXMQ-P7, FXLQ-P, FXNQ-A, FXDQ-A, FXSQ-A, FXMQ-MB	<b>£152.00</b>
	<b>BRC7C58</b>	Wireless remote controller	FXUQ-A	<b>£152.00</b>
	<b>BRC7C52</b>	Wireless remote controller	FXCQ-A	<b>£152.00</b>
	<b>BRC7E618</b>	Wireless remote controller	FXAQ-P	<b>£135.00</b>
	<b>BRC7F530W</b>	Wireless remote controller for White Ceiling Decoration Panel	FXZQ-A + BYFQ60CW	<b>£152.00</b>
	<b>BRC7F530S</b>	Wireless remote controller for Silver Ceiling Decoration Panel	FXZQ-A + BYFQ60CS	<b>£152.00</b>
	<b>BRC7EB530W</b>	Wireless remote for Fully Flat Cassette Old Style Decoration Panel	FXZQ-A + BYFQ60B3	<b>£152.00</b>
	<b>BRC7FA532F</b>	Wireless remote controller	FXFQ-A	<b>£152.00</b>
	<b>BRC7G53</b>	Wireless remote controller	FXHQ-A	<b>£152.00</b>

# VRV Accessories Control and BMS Interfaces (supplied separately)

VRV Control and BMS Interfaces											
	KRP2A52	KRP4A53	RTD-NET	RTD-10		RTD-20	RTD-HO	KLIC-DI	DMS504B51	DMS502A51	EKMBDXA
<b>Interface Method</b>	System	Unit/Group	Unit/Group	Unit/Group		Unit/Group	Unit/Group	Unit/Group	System	System	System
<b>Control Protocol</b>	Daikin	Daikin	Modbus	Modbus	-	Modbus	Modbus	KNX	LONWorks	BACnet	Modbus
<b>0-10 Volt control</b>	-	-	-	-	✓	✓	-	-	-	-	-
<b>Resistance control</b>	✓	✓	-	-	✓	✓	-	-	-	-	-
<b>Control Functions</b>											
<b>On/Off</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>SetPoint</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Operating Mode</b>	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Fan Speed</b>	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Louver Setting</b>	-	-	✓	✓	✓	✓	✓	✓	-	✓	✓
<b>VAM Damper control</b>	-	-	✓	✓	✓	✓	-	-	-	-	-
<b>Control Prohibit / Restrict settings</b>	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
<b>Temperature SetPoint Limits</b>	-	-	✓	✓	-	✓	✓	✓	-	-	✓
<b>Scene Creation</b>	-	-	-	-	-	-	-	✓	-	-	-
<b>Monitoring Functions</b>											
<b>On/Off</b>	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
<b>Temperature Set Point</b>	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓
<b>Operating Mode</b>	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓
<b>Thermostat On</b>	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
<b>Fan Operation</b>	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓
<b>Louvre Position</b>	-	-	✓	✓	-	✓	✓	✓	-	✓	✓
<b>Fault</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Fault Code</b>	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓
<b>Remote Controller temperature</b>	-	-	✓	✓	-	✓	✓	-	✓	✓	✓
<b>Remote Controller Mode</b>	-	-	✓	✓	-	✓	✓	-	-	-	-
<b>Number of Units</b>	-	-	✓	✓	-	✓	✓	-	-	-	-
<b>Return Air Temperature (Average/Min/Max)</b>	-	-	✓	✓	-	✓	✓	-	✓	✓	-
<b>Coil In/Out temperature</b>	-	-	✓	✓	-	✓	✓	-	-	-	-
<b>Filter Alarm</b>	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓
<b>Defrost Operation</b>	-	-	✓	✓	✓	✓	✓	-	-	-	✓
<b>Integral Functions (BMS system not req'd)</b>											
<b>Temperature Set Back</b>	-	-	-	-	-	✓	✓	-	-	-	-
<b>Temperature Setpoint Limitation</b>	-	-	-	✓	✓	✓	✓	-	-	-	-
<b>Key Card + Window Contact</b>	-	-	-	-	-	✓	✓	-	-	-	-
<b>Heating Interlock</b>	-	-	-	✓	✓	-	-	-	-	-	-
<b>Run / Standby</b>	-	-	-	-	✓	-	-	-	-	-	-
<b>Prices</b>											
Interface	KRP2A52	KRP4A53	RTD-NET	RTD-10	RTD-20	RTD-HO	KLIC-DI	DMS504B51	DMS502A51	EKMBDXA	
<b>Trade Price</b>	<b>£177.00</b>	<b>£67.00</b>	<b>£165.00</b>	<b>£210.00</b>	<b>£226.00</b>	<b>£210.00</b>	<b>£185.00</b>	<b>£1,173.00</b>	<b>£3,773.00</b>	<b>£1,980.00</b>	
<b>Associated Items</b>											
Mounting Box (FXFQ, FXCQ, FXZQ, FXUQ, FXHQ, FXDQ, FXAQ)	UK.FB2	UK.FB2	UK.FB2	UK.FB2	UK.FB2	UK.FB2	-	-	-	-	
<b>Trade Price</b>	<b>£25.00</b>	<b>£25.00</b>	<b>£25.00</b>	<b>£25.00</b>	<b>£25.00</b>	<b>£25.00</b>	-	-	-	-	
Expansion PCB for additional unit connection	-	-	-	-	-	-	-	-	DAM411B51	-	
<b>Trade Price</b>	-	-	-	-	-	-	-	-	<b>£879.00</b>	-	
Pulse input PCB for kWh meter input	-	-	-	-	-	-	-	-	DAM412B51	-	
<b>Trade Price</b>	-	-	-	-	-	-	-	-	<b>£468.00</b>	-	

## VRV Accessories RTD-20 Control Panels

Control Panels have been developed to allow easy installation of the RTD-20 into end-user premises. A typical application would require 1 RTD-20 per zone within a building. The control panels are pre-configured for up-to 8 different zones, making installation and wiring much simpler for the installer.





Model	Description	Trade Price
		RTD-20 Control Panels are sold at listed price. No discounts will apply.
UK.RTD-20/ENCH	Enclosure for RTD20 x 1	£305.54
UK.ENC/RTD-20X2	Enclosure for RTD-20 x 2	£765.54
UK.ENC/RTD-20X3	Enclosure for RTD-20 x 3	£1,010.81
UK.ENC/RTD-20X4	Enclosure for RTD-20 x 4	£1,256.08
UK.ENC/RTD-20X5	Enclosure for RTD-20 x 5	£1,576.35
UK.ENC/RTD-20X6	Enclosure for RTD-20 x 6	£1,826.62
UK.ENC/RTD-20X7	Enclosure for RTD-20 x 7	£2,071.89
UK.ENC/RTD-20X8	Enclosure for RTD-20 x 8	£2,317.16

Accessories for RTD-20 Control Panels	Description	Trade Price
UK.RTD-EXTSEN	Air Curtain External Sensor	£19.95
UK.RTD-INTSEN	Internal Sensor for RTD Device	£12.50
UK.RTD-CABLE	RS485 Cable for wiring RTD Devices 100m Roll	£60.90
UK.RTD-PIR/7.5M	PIR Sensor & 7.5M Cable Assy	£54.00
UK.RTD-PIR/15.0M	7.5m Extension Cable for UK.RTD-PIR/7.5M	£21.45

## VRV Accessories Centralised Control Solutions














Model	Description	Trade Price
 DCS601C51	Intelligent touch controller for up to 64 fan coil units	£1,641.00
KJB411A	Recessed Fixing box for I-Touch controller	£69.00
 DCS302A52	Adaptor PCB for external on/off control of I-Touch controller and I-Touch Manager	£104.00
 DTA103A51	Adaptor PCB for on/off control of external device from I-Touch controller and I-Touch manager	£305.00
 UK.IC Config	I-Touch controller - off site configuration charge (please contact your sales office for info/prices)	POA



# VRV Accessories Centralised Control Solutions



Model	Description	Trade Price
 <b>DCM601A51</b>	I-Touch manager central touch screen controller, with integral web server and email function	<b>£2,262.00</b>
 <b>DCM601A52</b>	I-Touch manager Expansion Module for up to 64 fan coil units and 4 x kWh Meters	<b>£707.00</b>
 <b>DCM002A51</b>	Proportional Power Distribution add-on for I-Touch manager. Provides ability for tenant billing	<b>£1,761.00</b>
<b>DCM007A51</b>	Open protocol software for BMS Integration	<b>£936.00</b>
 <b>DCM008A51</b>	Energy Navigator Software for I-Touch manager. For on screen energy monitoring	<b>£2,742.00</b>
<b>DCM009A51</b>	BAC Net protocol for 3rd party products	<b>£1,203.00</b>
 <b>DCS302A52</b>	Adaptor PCB for external on/off control of I-Touch controller and I-Touch Manager	<b>£104.00</b>
 <b>DTA103A51</b>	Adaptor PCB for on/off control of external device from I-Touch controller and I-Touch manager	<b>£305.00</b>
 <b>WAGO Interface System</b>	Modular interface system for connection to 3rd Party devices such as lights, pumps, PIR sensors, access card readers, etc. Enables the iTM to control external devices and provide customised interlocks for automation and energy saving logic	<b>POA</b>
 <b>UK.JMAN/CONFIG1</b>	I-Manager Off site configuration per FCU	<b>£7.00</b>
 <b>UK.JMAN/CONFIG2</b>	I-Manager Off site configuration & graphical layout per FCU. (Allow 4 weeks from order to delivery)	<b>£10.00</b>
 <b>UK.FS1</b>	On site commissioning for PPD or Energy Navigator Software	<b>£585.00</b>
 <b>UK.JMAN/SITE TRAIN</b>	On Site customer training for I Touch Manager System	<b>£585.00</b>

VRV

NEW



# VRV Accessories Centralised Control Solutions

Control of air conditioning within a retail environment produces its own set of challenges. The controls are often 'hidden' to prevent unauthorised access. This can result in equipment being left continuously operating, heating and cooling clashing and extremes of set point.

This can lead to user comfort complaints and excessive energy consumption.

Frequently there is only one user who knows how to access the controls, and the maintenance company has no off site access to make adjustments.

**The solution to these issues is the Daikin Intelligent Tablet Controller.**

### Features and benefits:

- > Control of up to 32 indoor units (groups)
- > Control of VRV, SkyAir, Splits, Air curtains & VAM units
- > Intuitive local control via App based interface
- > Control of all unit functions plus scheduling and set point restrictions integral to system
- > Optional web based cloud control for off-site access
- > Optional web based energy management software to automatically reduce wasted energy
- > Optional multi-site control to facility benchmarking and permit control to be 'pushed through' to multiple sites in one operation
- > Modular system – sites can be added to the controls package as they become available.

## Intelligent Tablet Controller

### Hardware

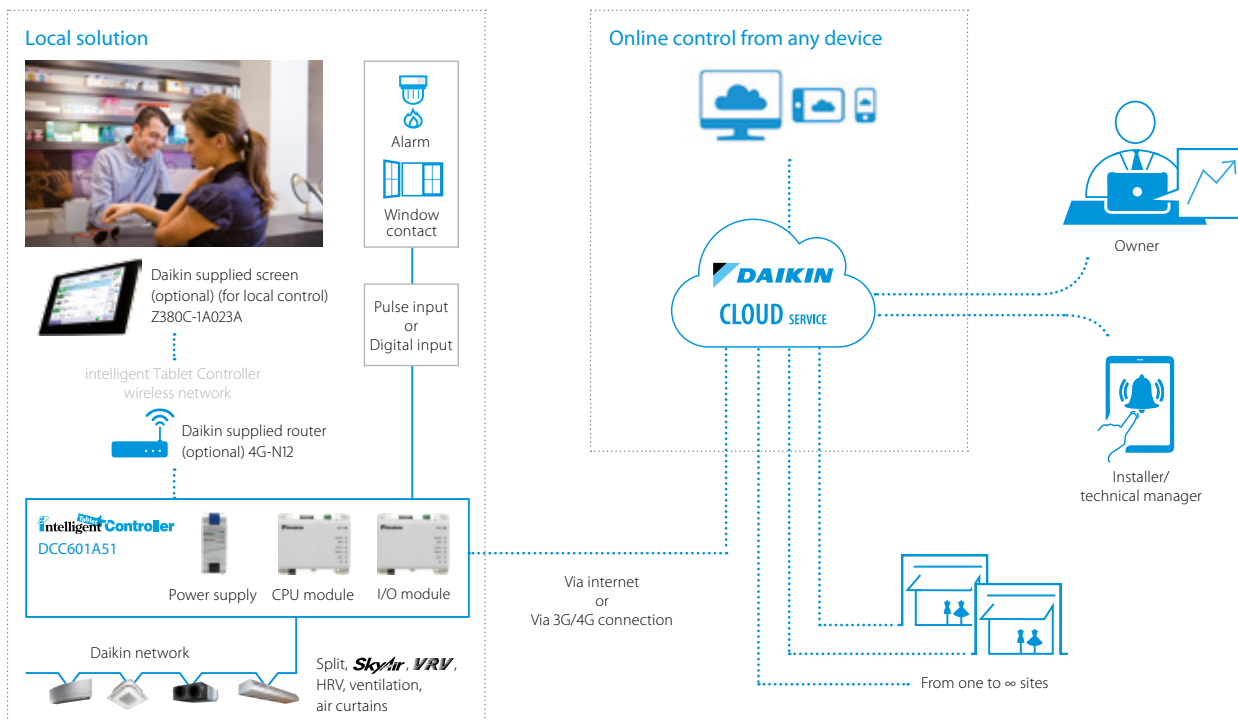
Model	Description	Trade Price
DCC601A51	Intelligent Tab Controller, with I/O module and power supply unit	£590.00
Z380C	Tablet for optional Wi-Fi based local control	£245.00
4G-N12	Optional 3G router for Wi-Fi / web based control *	£225.00

\*Supply of a suitable activated Sim and maintenance of the Sim contract is required by the installer.

### Service packages (annual fee)

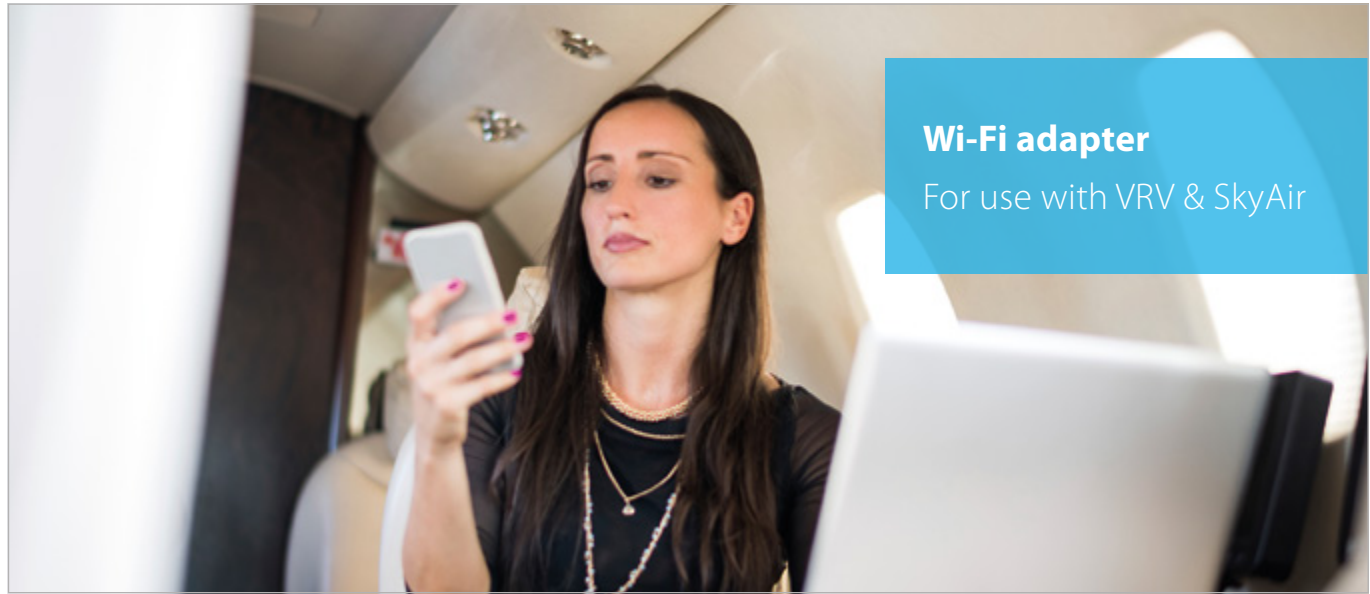
Description	Trade Price **
Remote monitoring and control software for intelligent Tab Controller. Provides web access to intelligent Tab Controller.	POA
Energy performance software for intelligent Tab Controller. Provides energy saving control features.	POA
Multi-site management software for intelligent Tab Controller. Provides Benchmarking and Trending plus multi-site control.	POA
Business package software for LCC. Provides all features of Remote monitoring & control software, Energy performance software & Multi-site management software.	POA

\*\* First year subscription included in price of hardware. Annual renewal carried out on-line at listed price - not subject to discount.



**NEW**

## VRV Accessories VRV & SkyAir Wi-Fi adapter



VRV



### Wi-Fi adapter

Provide your customers with enhanced control of their air conditioning systems, with the Daikin Wi-Fi adapter and free downloadable App for smart phone or tablet.

#### Benefits:

Manually and automatically control the environment using your smart phone.

From switching between heat and cooling, setting the required temperature and fan speed, setting minimum comfort levels and time clocking your air conditioning, the climate will be maintained to meet your requirements.

- > **Multiple users** – Each user can be given their own account and allocated unit(s). Users can even share access to the same unit(s).
- > **Phone not available** – Control is also available via a dedicated web site using a web browser on your tablet or PC.

\*Broadband internet connection, Wi-Fi connection or Mobile data connection required.

#### Features:

##### Basic Operations

- > On/Off
- > Operation mode
- > Set point & room temperature
- > Fan speed
- > Air flow direction
- > Time clocking



A delay off timer to automatically stop the air conditioning after a fixed number of hours run can be set. In addition multiple time clock schedules can be set. Both of these features can reduce energy wastage.


Occupied (Setback) and unoccupied (Home Leave) can be separately enabled to ensure minimum comfort levels are maintained when the property is empty.

In the event of an operational issue, the error & associated code will be displayed, to aid in the reinstatement of your system.

Individual control of each room as well as control of the property as a whole is available via the group control function.

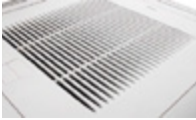







An unlimited number of rooms and multiple properties can be controlled by a single account.

Indication of the ambient temperature and a weather forecast for the locale surrounding the property allow the user to adjust the system settings to meet their requirements.

Model	Description	Trade Price
DKNWSERVER	 Wi-Fi adapter to connect to on-line server*	<b>£189.00</b>

\*No annual charge is required to access this service.

## VRV Accessories Fan Coil Accessories (supplied separately)

Model	Description	Related Unit	Trade Price
 <b>BYCQ140DG</b>	Roundflow cassette decoration panel with self cleaning filter	FXFQ-A	<b>£310.00</b>
<b>BYCQ140DW</b>	Roundflow cassette decoration panel - white with white louvres	FXFQ-A	<b>£160.00</b>
 <b>BYFQ60CS</b>	Fully Flat Cassette Decoration Panel - Silver	FXZQ-A	<b>£198.00</b>
<b>BYFQ60B3</b>	Fully Flat Cassette Decoration Panel - Old Style (FXZQ-MA style)	FXZQ-A	<b>£170.00</b>
 <b>KDBHQ55B140</b>	Sealing member for air discharge outlet	FXFQ-A	<b>£90.00</b>
<b>BDBHQ44C60</b>	Sealing member for air discharge outlet - Fully Flat cassette	FXZQ-A	<b>£91.00</b>
 <b>KDDQ55C140 1&amp;2</b>	Fresh air intake kit for up to 20% fresh air (Not compatible with self-cleaning decoration panel)	FXFQ-A	<b>£233.00</b>
<b>KDDQ50A140</b>	Fresh air intake kit for up to 20% fresh air	FXHQ-A	<b>£158.00</b>
 <b>UK.RC1</b>	1x200mm Return air spigot	FXSQ15 / 20 / 25 / 32 A	<b>£70.00</b>
<b>UK.RC2</b>	2x200mm Return air spigot	FXSQ 40 / 50 A	<b>£79.00</b>
<b>UK.RC3</b>	2x200mm Return air spigot	FXSQ 63 / 80 A	<b>£86.00</b>
<b>UK.RC3A</b>	3x200mm Return air spigot	FXSQ 63 / 80 A	<b>£93.00</b>
<b>UK.RC4</b>	4x200mm Return air spigot	FXSQ 100 / 125 / 140 A	<b>£116.00</b>
 <b>UK.SF1</b>	1x200mm Supply air spigot	FXSQ15 / 20 / 25 / 32 A	<b>£63.00</b>
<b>UK.SF2</b>	2x200mm Supply air spigot	FXSQ 40 / 50 A	<b>£72.00</b>
<b>UK.SF3</b>	2x200mm Supply air spigot	FXSQ 63 / 80 A	<b>£79.00</b>
<b>UK.SF3A</b>	3x200mm Supply air spigot	FXSQ 63 / 80 A	<b>£84.00</b>
<b>UK.SF4</b>	4x200mm Supply air spigot	FXSQ 100 / 125 / 140 A	<b>£104.00</b>
<b>UK.FF7/P</b>	Filter frame and filter	FXMQ100 to 125	<b>£118.00</b>
<b>UK.FF8</b>	Filter frame and filter	FXMQ200 to 250	<b>£146.00</b>
<b>KRCS01-4</b>	Remote room mounted temperature sensor	FXFQ-A, FXZQ-A, FXQC-A, FXHQ-A, FXUQ-A, FXSQ-P, FXMQ-P7, FXDQ-A	<b>£42.00</b>
<b>KRCS01-1</b>	Remote room mounted temperature sensor	FXKQ-MA, FXDQ-P9, FXMQ-MA, FXAQ-P, FXLQ-P, FXNQ-P	<b>£46.00</b>
 <b>K.RSS</b>	Wireless room mounted temperature sensor and receiver	All	<b>£89.00</b>
 <b>RS-SE</b>	Service and Configuration Tool for K.RSS	All	<b>£93.00</b>

## Condensing Unit Accessories (supplied separately)

Model	Description	Related Unit	Trade Price
<b>BRP2A81</b>	Adaptor PCB for Heat Cool selection terminals	RYYQ-T	<b>£102.00</b>
<b>EBRP2B</b>	Adaptor PCB for Heat Cool selection terminals	RXYSQ4-6T7V	<b>£52.00</b>
<b>EKCHSC</b>	Adaptor Cable for Heat Cool selection terminals	RXYSQ4-6T7Y	<b>£16.00</b>
<b>KJB111A</b>	Fixing box for EBRP2B & EKCHSC	RXYSQ4-6T	<b>£17.00</b>
<b>KRC19-26</b>	Cool/Heat selector switch for use with BRP2A81, EBRP2B or EKCHSC	RYYQ-T, BS1Q-A & RXYSQ4-6T	<b>£32.00</b>
<b>EKPCCAB1</b>	VRV Configurator Software Connection Cable. Software available from Daikin Extranet	RYYQ-T, REYQ-T, RXYSQ-T & RXYSQ-T	<b>£176.00</b>
<b>K.CGL</b>	Condensing Unit Guard size 100-140 including RXYSQ		<b>£354.00</b>
<b>Strip &amp; Rebuild of Condensing Units</b>	VRV Condensing Units stripped down for delivery to site where lifting into position is difficult with traditional methods. Units are rebuilt on site by Daikin UK Engineers and fully retested.		<b>POA</b>

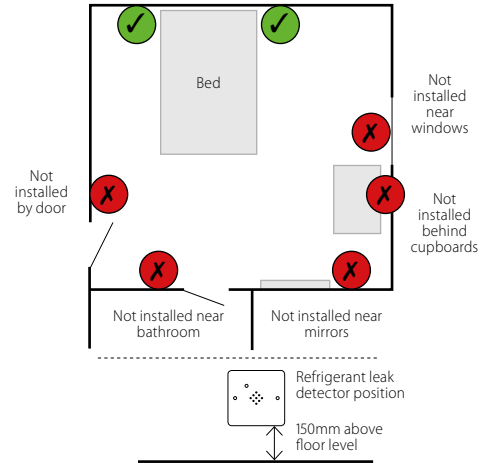
# VRV Accessories VRV Refrigerant Leak Detection System






Refrigerant leak detection systems can be required by the Safety of Building Occupants, BS-EN378. Daikin has a solution that can help meet requirements for leak detection within enclosed spaces.

## Refrigerant Leak Detection Alarm




1) The standard BS-EN378 requires that systems containing R410A refrigerant gas such as VRV, meet the requirements regarding maximum system refrigerant volumes that could leak within Hotel Bedroom or other similar Category Class A spaces. If these limitations are exceeded there must be an alarm system installed within each room where this limit is not met. The alarm system must alert the occupier through both audible and visual indication, and must also alert building staff such as supervisors, night porters etc. There is no specific requirement for the alarm system to be linked to the refrigerant system to pump down or stop the operation, although this can be configured if required by the client.

It is recommended that guidance on the selection and installation of these systems is obtained from your local Daikin UK sales office.



Model	Description	Related Unit	Trade Price
	<b>UK.RDEM-Wht</b> White single gang room based refrigerant gas detector. C/W power supply unit and terminals for connection to alarm network or VRV fan coil to force system shut down	All	<b>£276.00</b>
	<b>UK.RDEM-Wht/Curve</b> Curved white single gang room based refrigerant gas detector. C/W power supply unit and terminals for connection to alarm network or VRV fan coil to force system shut down	All	<b>£296.00</b>
	<b>UK.RDEM-St/St</b> Stainless steel single gang room based refrigerant gas detector. C/W power supply unit and terminals for connection to alarm network or VRV fan coil to force system shut down	All	<b>£296.00</b>
	<b>UK.IMEC-RAD-32</b> Network alarm hub for connection of up to 32 room alarms c/w web page configuration screen. Hub can be connected in a pyramid formation for connection to a central alarm indicator panel (UK.IAMC)	All	<b>£1,775.00</b>
	<b>UK.IMEC-RAD-64</b> Network alarm hub for connection of up to 64 room alarms c/w web page configuration screen. Hub can be connected in a pyramid formation for connection to a central alarm indicator panel (UK.IAMC)	All	<b>£2,450.00</b>

Cross connection between the two different ranges of refrigerant leak detectors is not permissible.

Model	Description	Related Unit	Trade Price
	<b>UK.IAM1</b> Room based refrigerant gas detector with remote room mounted stainless steel fascia plate. Provides local audible and visual alarm notification. Terminals for connection to alarm network and optional connection to VRV Fan coil to force system shut down	All	<b>£279.00</b>
	<b>UK.IAM2</b> Network alarm hub for connection of up to 16 room alarms. Hub can be connected in a pyramid formation of 16 groups back to a single unit for connection to a central alarm indicator panel (UK.IAMC)	All	<b>£550.00</b>
	<b>UK.IAMC</b> Alarm buzzer and lamp panel for mounting in a central building supervisor location	All	<b>£388.00</b>

# VRV Accessories VRV Cloud

## Energy Assessment and Reporting



VRV Cloud is Daikin's unique energy usage assessment, optimisation, control and reporting tool.

System operational data can also be reported for a complete picture of system performance.

### Energy assessment

Individual VRV system or whole site energy consumption can be accessed and viewed in a graphical form. The data can be viewed as an hourly, daily, monthly or annual graph. The energy consumption can be plotted against the outdoor air temperature or against a target consumption (which can be manually entered or automatically generated).

### Energy optimisation

A target annual energy consumption limit can be set and the system will reduce operational output to meet the target. The target can either be manual set or automatically set via a simple slide bar – calibrated by user comfort level vs energy saving level.

### Control

Access to the on-site touch screen controller is possible remotely. This gives the ability to change operational settings without having to attend site.

### Reporting

Indoor and outdoor unit operational data can be viewed in tabular form. All data, energy usage and operational, can be extracted as a CSV file for incorporation within your own reports.

### Features and benefits:

- > Unique Daikin automatic energy optimisation tool
- > Graphical reporting of energy usage
- > Remote access to site operational settings
- > Reduction to energy consumption can be weighed vs user comfort
- > All data available for incorporation into your own reports.

For more information, please contact your Daikin sales engineer.



**Task listing**

Ground Floor, First Floor, Second Floor

Details: ON/OFF, Start, Adjust: 24 °C, Fan Speed, Setting

**Indoor unit monitor**

Group name	Location	Operation time (h)	Temperature on site (°C)	Average outdoor (°C)
ACU0005	Indoor-gpt	879.1	27.7	19.4
ACU0006	Indoor-gpt	879.1	25.7	19.4
ACU0007	Indoor-gpt	879.1	26.3	19.4
ACU0008	Indoor-gpt	879.1	27.6	19.4
ACU0009	Indoor-gpt	879.1	22.8	19.4



## Daikin UK Price List 2016

# Ventilation

VAM-FC	110
VKM-GB(M)	112

**For larger ventilation capacities** from 2,000m<sup>3</sup>/hr to 15,000m<sup>3</sup>/hr see the new Daikin modular AHU on pages 186-188 of the Applied section.

# Ventilation

Achieving high indoor air quality for building occupants is an essential factor in HVAC design, especially in light of building regulations and the high levels of air tightness within modern buildings.

Daikin offers a range of options that enables control of fresh air into commercial and residential spaces. For flow rates of up to 0.556m<sup>3</sup>/s, our VAM / VKM range of heat recovery ventilation products can efficiently deliver controlled fresh air to meet your design priorities. For larger fresh air requirements, please see our Applied section for our range of packaged air handling units (See page 186-188 for our Modular AHU range).

## VAM-FC Total Heat Exchanger

Our popular range of Total Heat Exchangers (VAM) have been updated and are fully compliant with the new lot 6 Ecodesign requirements and rated under the EN 308\* testing standard. VAM units recover waste energy from the exhaust airstream to minimise running costs and reduce the carbon footprint of the building.

Eliminates up to 73% of the additional heating & cooling loads caused by introducing fresh air.



## VAM-FC

# Total Heat Exchanger

			VAM150FC	VAM250FC	VAM350FC	VAM500FC	VAM650FC	VAM800FC	VAM1000FC	VAM1500FC	VAM2000FC
Dimensions	Height	mm	285		301		364		726		
	Width	mm	776		828		1004		1514		
	Depth	mm	525		816		868		1160	868	1156
Weight		kg	24		33		51	54	63	128	145
Duct Connection Diameter		mm	100	150	150	200	200	250	250	350	350
Air Flow Rate	Ultra-High	m <sup>3</sup> /hr	150	250	350	500	650	800	1000	1500	2000
	High	m <sup>3</sup> /hr	140	230	320	410	545	725	950	1350	1880
	Low	m <sup>3</sup> /hr	105	155	210	310	450	665	820	1230	1500
	Ultra-High	m <sup>3</sup> /sec	0.042	0.069	0.097	0.139	0.181	0.222	0.278	0.417	0.556
	High	m <sup>3</sup> /sec	0.039	0.064	0.089	0.114	0.151	0.201	0.264	0.375	0.522
	Low	m <sup>3</sup> /sec	0.029	0.043	0.058	0.086	0.125	0.185	0.228	0.342	0.417
External Static Pressure	Ultra-High	Pa	90	70	103	83	100	109	147	116	132
	High	Pa	87	63	93	57	73	94	135	97	118
	Low	Pa	40	25	51	35	49	78	100	80	77
Sound Pressure Level (Heat Exchange Mode)	Ultra-High	dB(A)	27	28.0	32.0	33.0	34.5	36.0	36.0	39.5	40.0
	High	dB(A)	26	26.0	31.5	31.5	33.0	34.5	35.0	38.0	38.0
	Low	dB(A)	20.5	21.0	23.5	24.5	27.0	31.0	31.0	34.0	35.0
Electrical Details	Power Supply	V / Hz / Phase	230 / 50 / 1								
	Running Current	A	0.9	0.9	0.9	1.3	1.6	2.5	3.0	5.0	5.0
	Max Fuse Size	A	15	15	15	15	15	15	15	15	15

Trade Unit Price	£430.00	£514.00	£681.00	£872.00	£1,067.00	£1,257.00	£1,441.00	£2,201.00	£2,871.00
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\* For full details of specifications relating to EN308 please see the technical data book

Optional Accessory Compatibility	VAM150FA	VAM250FA	VAM350FB	VAM500FB	VAM650FB	VAM800FB	VAM1000FB	VAM1500FB	VAM2000FB
Inlet Heater Battery+	VH1B	VH2B		VH3B		VH4B or VH4/AB		VH5B	
Air Filter	-	-	EKAFV50F*		EKAFV80F*		EKAFV100F*	2 x EKAFV100F*	

==> Heater battery does NOT require PCB adaptor to connect to VAM

\* available in Medium M6, Fine F7 and Fine F8. Only one filter is required to cover the whole of one side of the heat exchanger, even if the heat exchanger has two sections.

Optional Inlet Heater Battery	VH1B	VH2B	VH3B	VH4B	VH4/AB	VH5B
Capacity	1 kW	1	1	1.5	2.5	2.5
Duct Diameter	100 mm	150	200	250	250	350
Trade Unit Price	£590.00	£596.00	£600.00	£650.00	£644.00	£650.00

## Accessories:

Accessory Ref	Description	Trade Price
BRC1E52A	Premium wired remote controller with full text menu, Energy features and 7 Day Time Clock	£76.00
KRP2A52/UK.FB2	System adaptor PCB for remote on/off, status indication and temperature setting	£202.00
RTD-Net/UK.FB2	Modbus interface PCB for Sky Air and VRV	£190.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	POA
BRP4A50	PCB Adaptor for VAM-A series connection to 3rd party heater	£94.00
KRP50-2	PCB Adaptor for VAM-A series connection to humidifier	£107.00
BRP4A50A	PCB Adaptor for VAM-B Series connection to 3rd party heater or humidifier	£118.00
EKAFV50F6	Air filter for VAM350 / 500FB : Medium M6	£51.00
EKAFV50F7	Air filter for VAM350 / 500FB : Fine F7	£57.00
EKAFV50F8	Air filter for VAM350 / 500FB : Fine F8	£62.00
EKAFV80F6	Air filter for VAM650 / 800FB : Medium M6	£57.00
EKAFV80F7	Air filter for VAM650 / 800FB : Fine F8	£62.00
EKAFV80F8	Air filter for VAM650 / 800FB : Fine F7	£68.00
EKAFV100F6	Air filter for VAM1000 / 2000FB : Medium M6	£87.00
EKAFV100F7	Air filter for VAM1000 / 2000FB : Fine F7	£93.00
EKAFV100F8	Air filter for VAM1000 / 2000FB : Fine F8	£98.00
BRYMA65	CO <sub>2</sub> Sensor for VAM350 / 500 / 650	£376.00
BRYMA100	CO <sub>2</sub> Sensor for VAM800 / 1000	£376.00
BRYMA200	CO <sub>2</sub> Sensor for VAM1500 / 2000	£376.00

CO<sub>2</sub> sensors for VAM-FC range minimise running costs, delivering only the ventilation amounts required to maintain your indoor air quality

## Notes:

- Please contact your local sales office for required options when combined operation with an air conditioning system is required
- Optional silencers and high efficiency filters are available. Prices and details on request
- VKM models must be connected as the slave indoor unit of a standard VRV indoor unit and share the same BRC1D52 remote controller and BS-Q box (if connected to Heat Recovery)
- UK.VH-CK VAM EHBX24 conversion kit cable included

## Weather Proof Enclosures for VAM Total Heat Exchangers

If you need to install a VAM unit outside of a building then they need to be weatherproofed as they are designed for installation internally.

We can offer fully weatherproofed housings for the VAM range which are rated IP46 to make them suitable for outdoor installation. The VAM units are fitted into the enclosure and delivered to site for fuss free installation.

**Please note:**

- > The prices quoted are for the enclosure, fitting of the VAM into the enclosure and standard delivery. The VAM unit cost is not included.
- > Pre heaters cannot be used with the VAM weatherproof enclosures.



**Lead time:** 6 weeks

**Applicable units:** All VAM units (not VKM)

	VAM250	VAM350	VAM500	VAM650	VAM800	VAM1000	VAM1500	VAM2000
<b>*Nett Enclosure Price (excluding VAM unit price)</b>			£780.00			£900.00	£1,025.00	£1,100.00

\* Not subject to standard trade discount.

Please speak to your local sales engineer to discuss your requirements.

# Total Heat Exchanger with DX Cooling & Heating (and Optional Humidifier)

The Total Heat Exchanger removes additional fresh air loads by heating and cooling the air to suit the room setpoint. VKM units work with Daikin VRV indoor units to give a complete air conditioning solution by heating, cooling, cleansing, humidifying and distributing air within a space.

Eliminates **up to 100%** of the additional heating & cooling loads caused by introducing fresh air

## Total Heat Exchanger with DX Coil (No Humidifier)

					VKM50GB	VKM80GB	VKM100GB
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.270	0.330	0.410
			High	kW	0.230	0.280	0.365
			Low	kW	0.170	0.192	0.230
Fresh air conditioning load	Cooling			kW	4.71	7.46	9.12
	Heating			kW	5.58	8.79	10.69
Dimensions		Height x Width x Depth		mm	387 x 1764 x 832		
Weight				kg	96	109	114
Temperature Exchange Efficiency		Ultra high / High		%	76	78	74
			Low	%	77.5	79	76.5
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high	m <sup>3</sup> /h	500	750	950
			High	m <sup>3</sup> /h	500	750	950
			Low	m <sup>3</sup> /h	440	640	820
			Ultra high	m <sup>3</sup> /s	0.139	0.208	0.264
			High	m <sup>3</sup> /s	0.139	0.208	0.264
			Low	m <sup>3</sup> /s	0.122	0.178	0.228
	External static pressure - 50Hz	Ultra high		Pa	210		
			High	Pa	170	160	100
			Low	Pa	140	110	70
	Sound pressure level 50Hz	Heat exchange mode	Ultra high	dBa	39.0		41.0
High			dBa	37.0	39.0		
Low			dBa	35.0	37.0	36.5	
Duct connection diameter				mm	200	250	
Piping connections	Type				Flare connection		
	Liquid	OD		Inch (mm)	1/4 (6.4)		
	Gas	OD		Inch (mm)	1/2 (12.7)		
	Drain				PT3/4 external thread		
<b>Trade Unit Price</b>					<b>£2,089.00</b>	<b>£2,536.00</b>	<b>£3,016.00</b>

## Total Heat Exchanger with DX Coil and Humidification

					VKM50GBM	VKM80GBM	VKM100GBM
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.270	0.330	0.410
			High	kW	0.230	0.280	0.365
			Low	kW	0.170	0.192	0.230
Fresh air conditioning load	Cooling			kW	4.71	7.46	9.12
	Heating			kW	5.58	8.79	10.69
Humidifier	System				Natural evaporating type		
	Amount			kg/h	2.7	4.0	5.4
	Feed water pressure			MPa	0.02 ~ 0.49		
Dimensions		Quantity	Height x Width x Depth	mm	387 x 1764 x 832		387 x 1764 x 1214
Weight				kg	102	120	125
Temperature Exchange Efficiency		Ultra high / High		%	76	78	74
			Low	%	77.5	79	76.5
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high	m <sup>3</sup> /h	500	750	950
			High	m <sup>3</sup> /h	500	750	950
			Low	m <sup>3</sup> /h	440	640	820
			Ultra high	m <sup>3</sup> /s	0.139	0.208	0.264
			High	m <sup>3</sup> /s	0.139	0.208	0.264
			Low	m <sup>3</sup> /s	0.122	0.178	0.228
	External static pressure - 50Hz	Ultra high		Pa	200	205	110
			High	Pa	150	155	70
			Low	Pa	120	105	60
	Sound pressure level 50Hz	Heat exchange mode	Ultra high	dBa	38.0	40.0	40.0
High			dBa	36.0	37.5	38.0	
Low			dBa	34.0	35.5	35.5	
Connection duct diameter				mm	200	250	
Piping connections	Type				Flare connection		
	Liquid	OD		Inch (mm)	1/4 (6.4)		
	Gas	OD		Inch (mm)	1/2 (12.7)		
	Water supply			Inch (mm)	1/4 (6.4)		
	Drain				PT3/4 external thread		
<b>Trade Unit Price</b>					<b>£2,324.00</b>	<b>£2,900.00</b>	<b>£3,245.00</b>

### Notes:

- i) Options for the VAM FC range are not compatible with the VKM G or VKM GM range ii) The humidifier in the VKM GM range operates solely in Heating mode and requires a third party humidistat to be connected

# Daikin UK Price List 2016

## Heating

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**As of the 26th September 2015** certain heating products are subject to the Energy Labelling Directive. Please go to the following website to download your energy label. [www.daikin.co.uk/energylabel](http://www.daikin.co.uk/energylabel)

**Dedicated Heating Line: 0845 641 9070**

**Scottish  
Region**  
0845 641 9330

**Northern  
Region**  
0845 641 9340

**Midlands  
Region**  
0845 641 9370

**Western  
Region**  
0845 641 9320

**North  
London**  
0845 641 9360

**South  
London**  
0845 641 9355

## The Daikin Altherma Flex Heat Pump Series

The Daikin Altherma Flex heat pump is ideal for apartment buildings and community heating, providing efficient air-to-water heat pump technology for large residential and commercial buildings.

The product can be configured either as a de-centralised or a centralised system:

### De-centralised system

The hydroboxes can be located in individual dwellings, such as apartments or collective housing, to create a de-centralised system. Each indoor unit can be operated independently, providing each property with individual control of heating, hot water (cooling optional on 50 & 80 class units).

The indoor hydrobox units are fully equipped with all the required hydraulic components, so they can be connected easily to the heat distribution system. Individual dwellings can also be equipped with separate domestic hot water tanks, which are designed to stack on top of the indoor units.



### Centralised system

Alternatively, the indoor units can be located together in one central plant area to create a centralised system suitable for a wide range of commercial and large domestic applications.

The centralised indoor units offer modular system scalability and capacity to meet the heating demand of the overall building.





**R-410A R-134a**

# Altherma Flex Communal Heat Pump De-Centralised

Daikin Altherma Flex type is the first heating system for apartments and collective housing that fully incorporates the use of renewable energy sources, making large residential buildings more environmentally sustainable by increasing energy efficiency – thus delivering lower running costs and CO<sub>2</sub> emissions.



## Altherma Flex Outdoor Units EMRQ

Outdoor Units			EMRQ8A	EMRQ10A	EMRQ12A	EMRQ14A	EMRQ16A
Capacity	Nominal Heating	kW	22.4	28.0	33.6	39.2	44.8
Dimensions	Height x Width x Depth	mm	1680 x 1300 x 765				
Weight		kg	331		339		
Air Flow Rate		m <sup>3</sup> /sec	3.167	3.167	3.500	3.917	4.000
External Static Pressure	High	Pa	78.4	78.4	78.4	78.4	78.4
Electrical Details	Power Supply		3-phase / 400V / 50Hz				
	Starting current	amps	4	4	4	4	4
	Nominal running Current*	amps	7.6	9.9	12.6	14.0	16.9
	Maximum running current	amps	17.1	22.1	22.3	32.8	33.0
	Fuse Rating	amps	20	25	25	40	40
Seasonal space heating efficiency**	Space heating (Average climate) 55°C	Class	A+	A+	A+	A+	A+
		Efficiency	108	104	103	106	103
Domestic hot water heating**	Average climate	Class	A	A	A	A	A
		η <sub>wh</sub>	93	93	93	84	93
		Declared load profile	XL	XL	XL	XL	XL
Refrigerant Circuit	Refrigerant Type		R410A				
	Refrigerant Charge	kg	10.3	10.6	10.8	11.1	11.1
	Additional Charge	kg	Refer to Databook				
Sound Pressure		dB(A)	58	58	60	62	63
Piping Limits	Maximum Length	m	100				
	Maximum Vertical Rise	m	40				
Piping Connections	Liquid	mm	9.52	9.52	12.7	12.7	12.7
	Discharge	mm	15.9	19.1	19.1	22.2	22.2
	Gas	mm	19.1	22.2	28.6	28.6	28.6
Capacity Index Limit			100~260	125~325	150~390	175~455	200~520
Maximum Number of Connected Indoor Units			5	6	7	9	10
<b>Trade Condensing Unit Price</b>			<b>£4,765.00</b>	<b>£5,000.00</b>	<b>£5,773.00</b>	<b>£6,806.00</b>	<b>£8,021.00</b>



\* Nominal running current stated at -3°C ambient air temperature & 75°C leaving water temperature 100% connection ratio

\*\* With 100% connection ratio combination

## Altherma Flex Indoor Units EKHVMRD / EKHVMYD

Indoor Units (Hydrobox)		EKHVMRD50AB	EKHVMRD80AB	EKHVMYD50AB	EKHVMYD80AB
Function		Heating & Hot water		Heating, hot water & cooling	
Heating Capacity	kW	5.6	9	5.6	9
Cooling capacity	kW		n/a	5	8
Capacity Index		50	80	50	80
Dimensions	Height x Width x Depth	705 x 600 x 695			
Empty Weight		92		120	
Leaving Water Temperature Range	Heating	25~80			
Leaving Water Temperature Range	Cooling	n/a		5~20	
Drain valve		Yes			
Water Pump	Nominal ESP Heating	83.7		58.8	
Expansion Vessel		7 litres heating		7 litres heating, 2 litres cooling	
Material		Precoated sheet metal			
Colour		Metallic Grey			
Electrical Details	Power Supply	1-phase / 230V / 50Hz			
	Starting current	4			
	Nominal running Current*	6.5	10.9	6.5	10.9
	Maximum running current	16.5			
	Fuse Rating	20			
Refrigerant Pipe Sizes		12.7 Gas, 9.52 Liquid		12.7 Gas, 9.52 Liquid, 15.9 Suction	
Water Side Pipe Sizes		1" Female			
Sound Pressure Level	dB(A)	40	42	40	42
Refrigerant		R134a Cascade			
<b>Trade Unit Price Hydro Box</b>		<b>£2,479.00</b>	<b>£2,560.00</b>	<b>£3,045.00</b>	<b>£3,135.00</b>



Hydrobox & cylinder shown in combination

\* Nominal running current stated at -3°C ambient air temperature & 75°C leaving water temperature 100% connection ratio

## Hot Water Cylinders EKHTSU

Domestic hot water cylinder		EKHTSU200AC	EKHTSU260AC
Type		Unvented System (Includes EKUHWHT)	
Max Water Temperature	°C	75	
Height	mm	1335	1610
Width	mm	600	
Depth	mm	695	
Empty Weight	kg	70	78
Colour		Metallic grey	
Material Inside Tank		Stainless Steel	
Material Outside Casing		Precoated sheet metal	
Piping Connections	All inch	3/4"	
Insulation	mm	80	
Heat loss / 24 hour Δt 45°C		1.2	1.5
Energy Efficiency Class		B	B
Standing Heat Loss	W	50	63
Storage Volume	L	200	260
<b>Trade Unit Price</b>		<b>£1,113.00</b>	<b>£1,261.00</b>

### Notes:

- Refnet joint prices can be found on page 97
- Commissioning assistance should be included for each hydrobox
- DHW cylinder required for hot water function
- Supplied with 3 way valve and G3 safety kit (EKUHWHTB)

### Accessories:

Accessories for hydrobox	Description	Trade price
RTRNETA3AA <sup>(1)</sup>	Netatmo thermostat for smartphone	<b>£180.00</b>
EKRP1AHT	Optional PCB for demand control	<b>£104.00</b>
EKRP1HBA	Optional PCB for remote alarm monitoring	<b>£104.00</b>
RTD-W	MODBUS interface for HT hydrobox	<b>£205.00</b>
UK.FB2	Fixing box for RTD-W	<b>£25.00</b>
EKCC-W	Sequence controller	<b>£640.00</b>
EKCLWS	Additional thermistor for sequence controller	<b>£75.00</b>
EKRUAHTB <sup>(2)</sup>	Remote user interface	<b>£157.00</b>
EKBUHA6V3 <sup>(3)</sup>	In line back up heater 6kW, 1-phase, 230V	<b>£461.00</b>
EKBUHA6W1 <sup>(3)</sup>	In line back up heater 6kW, 3-phase, 400V	<b>£461.00</b>
EKFMAHTB	Kit for cylinder standalone installation	<b>£277.00</b>
UK.FSHEAT/COMMS <sup>(4)</sup>	Commissioning assistance per hydrobox 1 to 10 hydroboxes	<b>£240.00</b>
	Commissioning assistance per hydrobox 11 to 20 hydroboxes	<b>£216.00</b>
	Commissioning assistance per hydrobox >20 hydroboxes	<b>£192.00</b>
	Daikin full commissioning	<b>POA</b>

### Notes:

- RTRNETA3AA must be ordered alongside EKRP1AHT <sup>(1)</sup>
- EKRUAHTB: 1 included with each hydrobox <sup>(2)</sup>
- EKBUHA6V3(W1): Also requires EKRP1AHT <sup>(3)</sup>
- UK.FSHEAT/COMMS: Commissioning assistance should be included for each hydrobox <sup>(4)</sup>

# Altherma Flex Communal Heat Pump Centralised

Daikin Altherma Flex type is the first centralised heating system for schools, public buildings, hotels, gyms & apartments that fully incorporates the use of renewable energy sources, making large buildings more environmentally sustainable by increasing energy efficiency – thus delivering lower running costs and CO<sub>2</sub> emissions.



## Altherma Flex Outdoor Units EMRQ

Outdoor Units			EMRQ8A	EMRQ10A	EMRQ12A	EMRQ14A	EMRQ16A
Capacity	Nominal Heating	kW	22.4	28.0	33.6	39.2	44.8
Dimensions	Height x Width x Depth	mm	1680 x 1300 x 765				
Weight		kg	331		339		
Air Flow Rate		m <sup>3</sup> /min	190	190	210	235	240
External Static Pressure	High	Pa	78.4	78.4	78.4	78.4	78.4
Electrical Details	Power Supply		3-phase / 400V / 50Hz				
	Starting current	amps	4	4	4	4	4
	Nominal running Current*	amps	7.6	9.9	12.6	14.0	16.9
	Maximum running current	amps	17.1	22.1	22.3	32.8	33.0
	Fuse Rating	amps	20	25	25	40	40
Seasonal space heating efficiency**	Space heating (Average climate) 55°C	Efficiency	108	104	103	106	103
	Domestic hot water heating**	Average climate	Class	A	A	A	A
		η <sub>wh</sub>	93	93	93	84	93
		Declared load profile	XL	XL	XL	XL	XL
Refrigerant Circuit	Refrigerant Type		R410A				
	Refrigerant Charge	kg	10.3	10.6	10.8	11.1	11.1
	Additional Charge	kg	Refer to Databook				
Sound Pressure		dBA	58	58	60	62	63
Piping Limits	Maximum Length	m	100				
	Maximum Vertical Rise	m	40				
Piping Connections	Liquid	mm	9.52	9.52	12.7	12.7	12.7
	Discharge	mm	15.9	19.1	19.1	22.2	22.2
	Gas	mm	19.1	22.2	28.6	28.6	28.6
Capacity Index Limit			100–260	125–325	150–390	175–455	200–520
Maximum Number of Connected Indoor Units			5	6	7	9	10
<b>Trade Condensing Unit Price</b>			<b>£4,765.00</b>	<b>£5,000.00</b>	<b>£5,773.00</b>	<b>£6,806.00</b>	<b>£8,021.00</b>



\* Nominal running current stated at -3°C ambient air temperature & 75°C leaving water temperature 100% connection ratio

\*\* With 100% connection ratio combination

## Altherma Flex Indoor Units EKHBRD

Indoor Unit (Hydrobox)			EKHBRD 011ADV1	EKHBRD 014ADV1	EKHBRD 016ADV1	EKHBRD 011ADY1	EKHBRD 014ADY1	EKHBRD 016ADY1
Function			Heating & Hot water					
Heating Capacity		kW	11	14	16	11	14	16
Cooling capacity		kW	n/a					
Capacity Index			100	125	140	100	125	140
Dimensions	Height x Width x Depth	mm	705 x 600 x 695					
Empty Weight		kg	145			148		
Leaving Water Temperature Range	Heating	°C	25–80					
Drain valve			Yes					
Water Pump			92	88	85	92	88	85
Expansion Vessel			12 litres					
Material			Precoated sheet metal					
Colour			Metalic Grey					
Electrical Details	Power Supply		1-phase / 230V / 50Hz			3-phase / 400V / 50Hz		
	Starting current	amps	4			4		
	Nominal running Current*	amps	11.6	15.1	18.1	4.3	5.6	6.7
	Maximum running current	amps	22.5	23.8	23.8	12.5	12.5	12.5
	Fuse Rating	amps	25			16		
Refrigerant Pipe Sizes		mm	15.9 Gas, 9.52 Liquid					
Water Side Pipe Sizes			1" Female					
Sound Pressure Level		dBA	43	45	46	43	45	46
Refrigerant			R134a Cascade					
<b>Trade Unit Price Hydro Box</b>			<b>£2,985.00</b>	<b>£3,038.00</b>	<b>£3,130.00</b>	<b>£3,045.00</b>	<b>£3,099.00</b>	<b>£3,192.00</b>



\* Nominal running current stated at -3°C ambient air temperature & 75°C leaving water temperature 100% connection ratio

## Pre Selected Combinations

Heating capacity (1) A7W35	kW	28.0	31.4	42.0	47.0			
Heating capacity (2) A-3W65	kW	23.9	26.7	34.3	38.7			
Outdoor unit	1 x EMRQ8	£4,765.00	1 x EMRQ10	£5,000.00	1 x EMRQ12	£5,773.00	1 x EMRQ14	£6,806.00
Hydroboxes	2 x EKHBRD014ACV1	£6,076.00	2 x EKHBRD016ACV1	£6,260.00	3 x EKHBRD014ACV1	£9,114.00	3 x EKHBRD016ACV1	£9,390.00
Demand PCBs	2 x EKR1AHT	£208.00	2 x EKR1AHT	£208.00	3 x EKR1AHT	£312.00	3 x EKR1AHT	£312.00
Refnets	1 x KHRQ22M29T9	£36.00	1 x KHRQ22M29T9	£36.00	1 x KHRQ22M64H	£139.00	1 x KHRQ22M64H	£139.00
<b>Trade Price</b>		<b>£11,085.00</b>	<b>£11,504.00</b>	<b>£15,338.00</b>	<b>£16,647.00</b>			

(1) Heating ambient air temperature 7°C and leaving water temperature 35°C  
 (2) Heating ambient air temperature -3°C and leaving water temperature 65°C, capacity stated net of 1 defrost cycle per hour

### Notes:

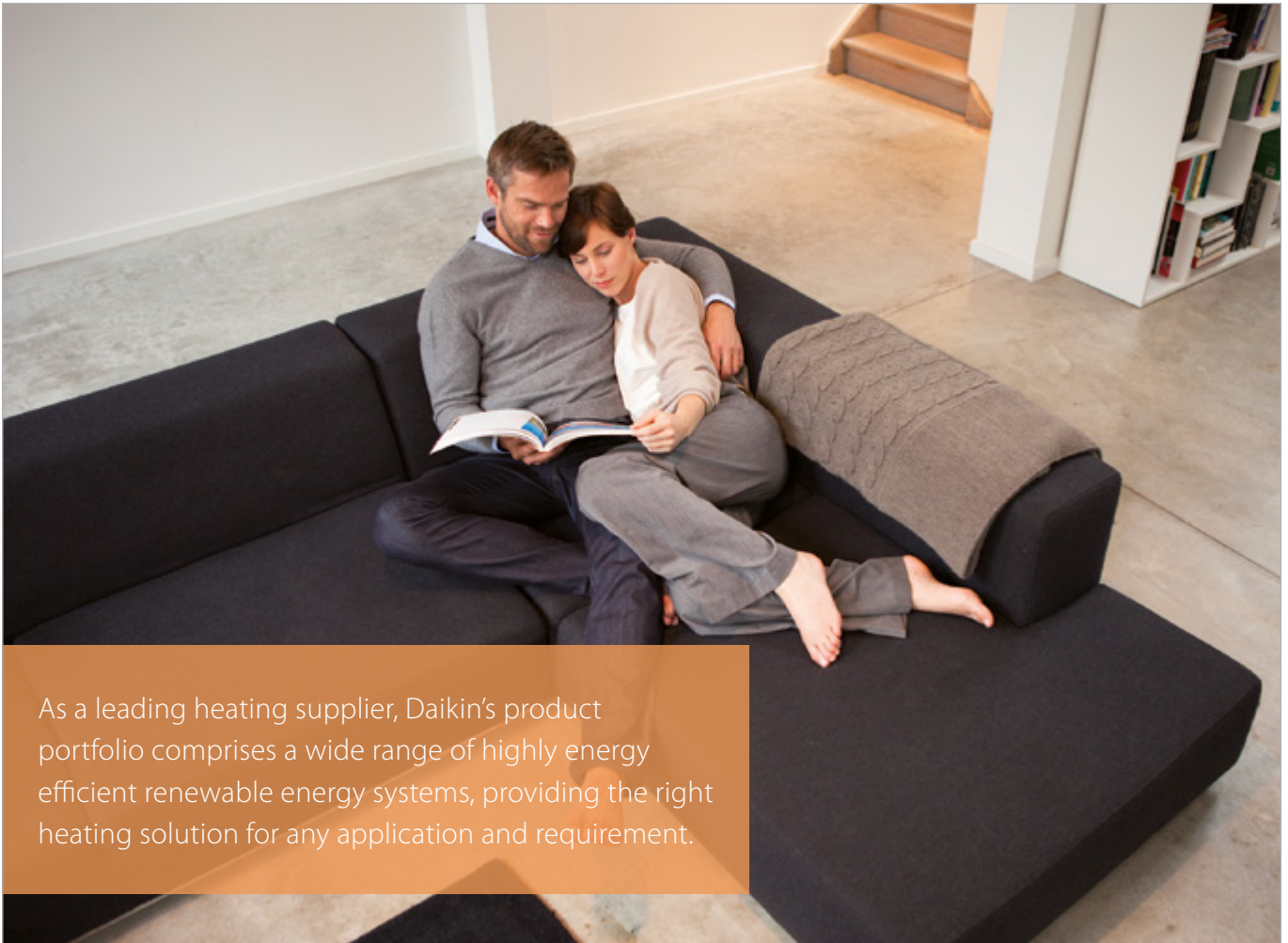
- i) Refnet joints can be found on page 97
- ii) Commissioning assistance should be included per hydrobox
- iii) DHW cylinder required for hot water function
- iv) See page 115 for accessories







# Daikin Heating Systems



As a leading heating supplier, Daikin's product portfolio comprises a wide range of highly energy efficient renewable energy systems, providing the right heating solution for any application and requirement.

HEATING

Daikin Altherma air-to-water heat pump is a renewable energy heating and hot water solution, ideally suited for the UK housing market. Using renewable air as a heat source and heat pump technology with Daikin's advanced inverter compressor technology, Daikin Altherma delivers high seasonal efficiencies, low running costs and reduced carbon emissions compared with traditional systems. Launched in 2006 with over 250,000 installed across Europe, Daikin Altherma is the leading air-to-water heat pump.

Daikin Altherma offers the most comprehensive and flexible range of air-to-water heat pumps in the market today, suitable for houses, flats and both new build and refurbishment projects. The range is available in Low Temperature (Split and Monobloc) and High Temperature. Daikin Altherma High Temperature is an industry first system that can deliver water temperatures of up to 80°C, providing an ideal solution for boiler replacement in harder to treat properties.

Daikin solar thermal systems can be combined with Daikin Altherma to provide a fully integrated renewable energy solution. Daikin Altherma and Daikin solar thermal systems are recognised renewable energy solutions that can reduce hot water energy costs by up to 60% compared with traditional fossil fuel systems.

The majority of Daikin Altherma air-to-water heat pumps\* are certified by the Microgeneration Certification Scheme (MCS) and the Daikin solar thermal collectors have Solar Keymark approval and therefore are eligible for the domestic RHI. Please check the MCS website for the latest list of accredited Daikin Altherma air-to-water heat pumps.

Daikin is at the forefront of the drive for energy efficient heat pump technology, recognising that heat pumps and the use of renewable energy from the surrounding air is the answer to meet the future challenges of energy efficiency and carbon reduction targets.

Daikin renewable energy solutions provide a real alternative to current and future problems associated with conventional heating systems such as increasing primary energy costs and unacceptably high environmental impact.

\* Except Daikin Altherma Flex Type



MCS HP0006

MCS scheme



011-751016 F

Solar Keymark

# Air-to-Water Heat Pump



Daikin Altherma air-to-water heat pump is available in the following models:

## Daikin Altherma Low Temperature Split 4-16kW

- > Latest inverter technology, high seasonal efficiencies and low running costs
- > Guaranteed operation down to -25°C
- > Easy to use back lit controller
- > Compact wall-hung indoor unit with front access for easy maintenance
- > Flexible siting with indoor unit and small outdoor unit which can be sited up to 50m away

## Daikin Altherma Low Temperature Monobloc 5-16kW

- > All key hydraulics built-in, e.g. expansion vessel and circulation pump
- > Sealed refrigerant circuit with no F-gas needed for installation

## Daikin Altherma High Temperature 11-16kW

- > Providing flow temperatures up to 80°C

## Daikin Altherma Flex Type 22.4-44.8kW

- > For commercial heating applications



\* Except Daikin Altherma Flex Type

**R-410A**

Single Phase ERLQ-CV3

# Low Temperature Split Heat Pump (outdoor)



Outdoor Units			Single Phase					
			ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3	ERLQ014CV3	ERLQ016CV3
Description			4kW, 1-phase, 230V	6kW, 1-phase, 230V	8kW, 1-phase, 230V	11kW, 1-phase, 230V	14kW, 1-phase, 230V	16kW, 1-phase, 230V
Trade Unit Price			£1,084.00	£1,106.00	£1,481.00	£2,297.00	£2,647.00	£2,894.00
Dimensions	Height x Width x Depth	mm	735 x 832 x 307			1345 x 900 x 320		
Weight		kg	54	56	56	113		
Nominal capacity	Heating (a/b)	kW	4.4 / 4.2	6.0 / 5.12	7.4 / 6.13	11.2 / 9.6	14.5 / 10.8	16.0 / 10.9
	Cooling	kW	4.17	4.84	5.36	11.72	12.55	13.12
Nominal input	Heating (a/b)	kW	0.87 / 1.85	1.27 / 2.31	1.66 / 2.89	2.43 / 4.57	3.37 / 5.19	3.76 / 5.22
	Cooling	kW	1.8	2.07	2.34	4.31	5.08	5.73
COP	Heating (a/b)		5.04 / 2.27	4.74 / 2.22	4.45 / 2.12	4.60 / 2.1	4.30 / 2.08	4.25 / 2.09
	Seasonal space heating efficiency*	Space heating (Average climate) 35°C	Class	A++	A++	A++	A++	A++
		Efficiency	178	169	171	156	153	149
		SCOP	4.52	4.29	4.34	3.98	3.90	3.80
	Space heating (Average climate) 55°C	Class	A++	A++	A++	A+	A+	A+
		Efficiency	125	126	126	120	123	119
		SCOP	3.20	3.22	3.22	3.09	3.16	3.06
EER	Cooling		2.32	2.34	2.29	2.72	2.47	2.29
Operation range	Heating	°C				-25~35		
	Cooling	°C				10~46		
	Hot water	°C				-20~35		
Sound pressure / power level	Heating	dBA	48 / 61	48 / 61	49 / 62	51 / 64	51 / 64	52 / 66
	Cooling	dBA	48 / 63	49 / 63	50 / 63	50 / 64	52 / 66	54 / 69
Refrigerant charge	R-410A	kg	1.45	1.6	1.6	3.4		
Piping connections	Liquid	inches	1/4			3/8		
	Gas	inches	5/8			5/8		
Max piping length OU to IU		m	30			50		
Power supply			1-phase / 230V / 50Hz					
Recommended fuses		A	20			40		

**R-410A**

Three Phase ERLQ-CW1

# Low Temperature Split Heat Pump (outdoor)



Outdoor Units			3 Phase		
			ERLQ011CW1	ERLQ014CW1	ERLQ016CW1
Description			11kW, 3-phase, 400V	14kW, 3-phase, 400V	16kW, 3-phase, 400V
Trade Unit Price			£2,521.00	£2,906.00	£3,177.00
Dimensions	Height x Width x Depth	mm	1345 x 900 x 320		
Weight		kg	113		
Nominal capacity	Heating (a/b)	kW	11.2 / 9.6	14.5 / 10.8	16.0 / 10.9
	Cooling	kW	11.72	12.55	13.12
Nominal input	Heating (a/b)	kW	2.43 / 4.57	3.37 / 5.19	3.76 / 5.22
	Cooling	kW	4.31	5.08	5.73
COP	Heating (a/b)		4.60 / 2.1	4.30 / 2.08	4.25 / 2.09
Seasonal space heating efficiency*	Space heating (Average climate) 35°C	Class	A++	A++	A+
		Efficiency	156	153	149
		SCOP	3.98	3.90	3.80
	Space heating (Average climate) 55°C	Class	A+	A+	A+
		Efficiency	120	123	119
		SCOP	3.09	3.16	3.06
EER	Cooling		2.72	2.47	2.29
Operation range	Heating	°C	-25~35		
	Cooling	°C	10~46		
	Hot water	°C	-20~35		
Sound pressure / power level	Heating	dBA	51 / 64	51 / 64	52 / 66
	Cooling	dBA	50 / 64	52 / 66	54 / 69
Refrigerant charge	R-410A	kg	3.4		
Piping connections	Liquid	inches	3/8		
	Gas	inches	5/8		
Max piping length OU to IU		m	50		
Power supply			3-phase / 400V / 50Hz		
Recommended fuses		A	20		

\* When combined with matching indoor unit

Nominal capacity and nominal input tested according to EN 14511 at the following conditions:

Heating a: Ambient air temperature 7°C and leaving water temperature 35°C (A7 W35) Heating b: Ambient air temperature -7°C and leaving water temperature 45°C (A-7 W45)

Cooling: Ambient air temperature 35°C and leaving water temperature 7°C (A35 W7)

Sound pressure level measured at 1m from the unit

## Features:

- > This split system consists of an outdoor unit and an indoor hydrobox that can be connected to all standard low temperature radiators and underfloor heating systems
- > All models have extra features to withstand severe winter conditions

## Notes:

- i) Some units are available on special request with Blygold treatment to offer additional protection in coastal environments. Please contact your local sales office for further information





# Low Temperature Split Hydrobox (wall hung)

Indoor Unit (wall hung)	Single Phase				Single phase / 3 Phase*		
	EHBH04CB3V	EHBH08CB3V	EHBH11CB3V	EHBH16CB3V	EHBH08CB9W	EHBH11CB9W	EHBH16CB9W
User interface (must be ordered)	EKRUCBL2	EKRUCBL2	EKRUCBL2	EKRUCBL2	EKRUCBL2	EKRUCBL2	EKRUCBL2
Description	For ERLQ004CV3	For ERLQ006-008CV3	For ERLQ011CV3	For ERLQ014-016CV3	For ERLQ006-008CV3	For ERLQ011CV3/W1	For ERLQ014-016CV3/W1
Combined Trade Unit Price	£1,236.00	£1,261.00	£1,715.00	£1,715.00	£1,272.00	£1,831.00	£1,831.00
Function	Heating Only	Heating Only	Heating Only	Heating Only	Heating Only	Heating Only	Heating Only
Dimensions	H x W x D	mm 890 x 480 x 344 / 381					
Leaving water temperature range	Heating	°C 15 ~ 55					
temperature range	Cooling	°C -					
Pump	No. of speeds	Inverter controlled					
Expansion vessel volume	litres	10					
Water connections	Inch	1 1/4" (female)					
Back-up heater fuse rating	3kW 1ph 230V A	16					
	6kW 1ph 230V A	-					
	6kW 3ph 400V A	-					
	9kW 3ph 400V A	-					
						32**	
						10**	
						16**	

## Heating and Cooling EHBX

Indoor Unit (wall hung)	Single Phase				Single phase / 3 Phase*		
	EHBX04CB3V	EHBX08CB3V	EHBX11CB3V	EHBX16CB3V	EHBX08CB9W	EHBX11CB9W	EHBX16CB9W
User interface (must be ordered)	EKRUCBL2	EKRUCBL2	EKRUCBL2	EKRUCBL2	EKRUCBL2	EKRUCBL2	EKRUCBL2
Drain pan kit (must be ordered)	EKHBDBC2	EKHBDBC2	EKHBDBC2	EKHBDBC2	EKHBDBC2	EKHBDBC2	EKHBDBC2
Description	For ERLQ004CV3	For ERLQ006-008CV3	For ERLQ011CV3	For ERLQ014-016CV3	For ERLQ006-008CV3	For ERLQ011CV3/W1	For ERLQ014-016CV3/W1
Combined Trade Unit Price	£1,447.00	£1,476.00	£1,982.00	£1,982.00	£1,493.00	£2,074.00	£2,074.00
Function	Reversible	Reversible	Reversible	Reversible	Reversible	Reversible	Reversible
Dimensions	H x W x D	mm 890 x 480 x 344 / 381					
Leaving water temperature range	Heating	°C 15 ~ 55					
temperature range	Cooling	°C 5 ~ 22					
Pump	No. of speeds	Inverter controlled					
Expansion vessel volume	litres	10					
Water connections	Inch	1 1/4" (female)					
Back-up heater fuse rating	3kW 1ph 230V A	16					
	6kW 1ph 230V A	-					
	6kW 3ph 400V A	-					
	9kW 3ph 400V A	-					
						32**	
						10**	
						16**	

### Accessories:

Accessory Ref	Description	Trade Price
EKRUCBL2	User interface	£88.00
EKRUCBS	Optional simplified room thermostat	£80.00
RTRNETA3AA	Netatmo thermostat for smartphone	£180.00
EKPCAB3	PC cable – to upload field settings from PC to unit or spare controller	£180.00
EKRSC1	Optional remote outdoor temperature sensor (cable not supplied)	£61.00
KRCS01-1	Optional remote indoor temperature sensor	£46.00
EKRP1HBA	Optional PCB kit for remote alarm monitoring, run and fault indication, solar interlock for heat pump and bivalent operation	£104.00
EKFT008CA	U-beams to mount the outdoor units for ERLQ 004-008	£83.00
EKDP008C	Drainpan and U-beams for outdoor units ERLQ 004-008	£116.00
EKHBDBC2	Drainpan kit for indoor units EHBX 004-016	£112.00
EKDPH008C	Heater mat for drainpan (EKDP008C)	£176.00
K.FF600ASN	Pair of flexi feet to mount the outdoor unit	£47.00
K.CWB90-2	Wall mounting bracket for outdoor units ERLQ 004-008 (90kg, 500mm long)	£36.00
K.CWB140-2	Wall mounting bracket for outdoor units ERLQ 011-016 (140kg, 540mm long)	£45.00
K.DT1	Condensate drip tray for use with K.CWB90-2	£54.00
K.DT2	Condensate drip tray for use with K.CWB140-2	£59.00
K.CGM	Outdoor unit guard for ERLQ 004-008	£290.00
K.CGL	Outdoor unit guard for ERLQ 011-016	£354.00

### Features:

- > Available in heating only or heating/cooling versions
- > A choice of back-up heaters 3, 6 or 9kW
- > Heating / cooling hydroboxes must be ordered with drain pan kit

### Notes:

- User interface (EKRUCBL2) must be ordered with every EHBH/X
- \* Back-up heater can be re-wired as 3kW/1ph, 6kW/1ph, 6kW/3ph or 9kW/3ph
- \*\* 9W models only
- iv) Only one optional remote sensor can be installed. Sensor connects to indoor hydrobox

**R-410A****NEW**

EDLQ Standard Configurations

## Low Temperature Monobloc Heat Pump (5-7kW)

Part Number	Description	Trade Price
<b>UK.MONO5</b>	5kW base configuration for heating and hot water containing:	<b>£2,100.00</b>
EDLQ05CV3	5kW outdoor unit (heating only)	£1,800.00
EKCB07CV3	Wiring centre	£212.00
EKRUCBL2	User interface	£88.00
<b>UK.MONO7</b>	7kW base configuration for heating and hot water containing:	<b>£2,400.00</b>
EDLQ07CV3	7kW outdoor unit (heating only)	£2,100.00
EKCB07CV3	Wiring centre	£212.00
EKRUCBL2	User interface	£88.00
<b>UK.MONO5GROUND</b>	5kW ground mounted configuration for heating and hot water containing:	<b>£2,214.00</b>
EDLQ05CV3	5kW outdoor unit (heating only)	£1,800.00
EKCB07CV3	Wiring centre	£212.00
EKRUCBL2	User interface	£88.00
K.FF600ASN	Pair of flexi feet	£47.00
K.HOSE750	Pair of flexible hoses 750mm	£67.00
<b>UK.MONO7GROUND</b>	7kW ground mounted configuration for heating and hot water containing:	<b>£2,514.00</b>
EDLQ07CV3	7kW outdoor unit (heating only)	£2,100.00
EKCB07CV3	Wiring centre	£212.00
EKRUCBL2	User interface	£88.00
K.FF600ASN	Pair of flexi feet	£47.00
K.HOSE750	Pair of flexible hoses 750mm	£67.00



**R-410A**

EDLQ

NEW

# Low Temperature Monobloc Heat Pump (5-7kW)



Outdoor Unit			EDLQ05CV3	EDLQ07CV3
User Interface (must be ordered)			EKRUCBL2	EKRUCBL2
Description			5kW, 1-phase, 230V	7kW, 1-phase, 230V
Combined Trade Unit Price			£1,888.00	£2,188.00
Dimensions	Height x Width x Depth	mm	735 x 1085 x 350	
Weight		kg	76	80
Capacity	Heating (a/b)	kW	4.40 / 4.20	7.00 / 6.25
Input	Heating (a/b)	kW	0.88 / 1.95	1.55 / 3.09
COP			5.00 / 2.15	4.52 / 2.02
Seasonal space heating efficiency	Space heating (Average climate) 35°C	Class	A++	A++
		Efficiency	172	163
	Space heating (Average climate) 55°C	SCOP	4.39	4.14
		Class	A++	A++
		Efficiency	125	126
		SCOP	3.20	3.22
Operation Range	Heating	°C	-25 ~ +25	
	Hot Water	°C	-25 ~ +35	
Sound pressure/Power level		dBA	48 / 61	49 / 62
Refrigerant charge	R-410A	kg	1.30	1.45
Power supply			1-phase / 230V / 50Hz	
Recommended Fuses		Amps	16	20
Pump	No. of speeds		Inverter Controlled	
Expansion vessel volume		litres	7	
Water connections	Diameter	Inch	1" (male)	
Max piping length OU to cylinder		mm	10	

Nominal capacity and nominal input tested according to EN 14511 at the following conditions  
 Heating a: Ambient air temperature 7°C and leaving water temperature 35°C (A7 W35)  
 Heating b: Ambient air temperature -7°C and leaving water temperature 45°C (A-7 W45)  
 Sound pressure level measured at 1m from the unit

**Notes:**

- i) User interface (EKRUCBL2) must be ordered with every EDLQ05-07

WIRING CENTRE			EKCB07CV3
Description			Wiring centre
Trade Unit Price			£212.00
To use with			EDLQ05-07CV3
Dimensions	Depth	mm	97
	Width	mm	340
	Height	mm	360



BACK UP HEATER KIT (OPTIONAL)			EKMBUHC3V3	EKMBUHC9W1
Description			Back up heater kit (3kW)	Back up heater kit (3/6kW)
Trade Unit Price			£436.00	£485.00
Nominal rating		kW	3	3-6
Dimensions	Depth	mm	210	
	Width	mm	250	
	Height	mm	560	
Power supply			1-phase / 230V / 50Hz	1-phase / 230V / 50Hz
Recommended fuses	3 kW 1ph 230V	Amps	16	
	6 kW 1ph 230V	Amps	32	
Water connections	Diameter	inch	1" (male)	

**Accessories:**

Accessory Ref	Description	Trade Price
EKRUCBL2	User interface	£88.00
EKRUCB5	Optional simplified room thermostat	£80.00
RTRNETA3AA	Netatmo thermostat for smartphone	£180.00
EKPCCAB3	PC cable - to upload field settings from PC to unit or spare controller	£180.00
EKSRC1	Optional remote outdoor temperature sensor (see note)	£61.00
KRCS01-1	Optional remote indoor temperature sensor (see note)	£46.00
EK2CB07CV3	Optional Wiring centre - for remote alarm monitoring, run and fault indication and bivalent operation	£212.00
K.FF600ASN	Pair of flexi feet to mount the outdoor unit	£47.00
K.CWBXL	Wall mounting brackets for outdoor units (250kg, 660mm long)	£68.00
K.DT2	Condensate drip tray for use with K.CWBXL	£59.00
K.HOSE750	Pair of flexible hoses (Length 750mm, 19mm tough PVC coat insulation, 1" FBSP, 28mm compression)	£67.00
K.HOSE750EL	Pair of flexible hoses with elbow (Length 750mm, 19mm tough PVC coat insulation, 1" FBSP, 28mm compression)	£97.00
K.CG750S	Outdoor unit guard	£275.00

**Notes:**

- i) Only one optional remote sensor can be installed

**Features:**

- > The small Daikin Altherma Monobloc is ideal for smaller properties
- > In this system, water pipes, rather than refrigerant lines, run from the outdoor unit to indoors which means that no special refrigerant handling is necessary
- > The optional back-up heater is installed indoors



## Heating Only EDHQ

## Low Temperature Monobloc Heat Pump (14-16kW)

Outdoor Unit			Single Phase		3 Phase	
			EDHQ014BB6V3	EDHQ016BB6V3	EDHQ014BB6W1	EDHQ016BB6W1
<b>Description</b>			<b>14kW, 1-phase, 230V</b>	<b>16kW, 1-phase, 230V</b>	<b>14kW, 3-phase, 400V</b>	<b>16kW, 3-phase, 400V</b>
<b>Trade Unit Price</b>			<b>£2,840.00</b>	<b>£3,210.00</b>	<b>£3,000.00</b>	<b>£3,400.00</b>
Function			Heating Only	Heating Only	Heating Only	Heating Only
Dimensions	Height x Width x Depth	mm	1418 x 1435 x 382		1418 x 1435 x 382	
Weight		kg	180		180	
Nominal capacity	Heating (a/b)	kW	14 / 7.72	16 / 8.7	14 / 7.72	16 / 8.7
	Cooling	kW	-	-	-	-
Nominal input	Heating (a/b)	kW	3.29 / 3.76	3.88 / 4.44	3.31 / 3.84	3.81 / 4.39
	Cooling	kW	-	-	-	-
COP	Heating (a/b)		4.25 / 2.05	4.12 / 1.96	4.23 / 2.01	4.2 / 1.98
Seasonal space heating efficiency	Space heating (Average climate) 35°C	Class	A+	A+	A+	A+
		Efficiency	130	123	130	127
		SCOP	3.32	3.15	3.31	3.25
	Space heating (Average climate) 55°C	Class	A+	A+	A+	A+
		Efficiency	105	101	110	111
		SCOP	2.71	2.6	2.82	2.85
EER	Cooling		-	-	-	
Operation range	Heating	°C	-15~35		-15~35	
	Cooling	°C	-		-	
	Hot water	°C	-15~35		-15~35	
Sound pressure / power level	Heating	dBA	51 / 65	52 / 66	51 / 65	53 / 66
	Cooling	dBA	-		-	
Refrigerant charge (factory)	R-410A	kg	2.95		2.95	
Back up heater (factory fitted)		kW	6		6	
Power supply			1-phase / 230V / 50Hz		3-phase / 400V / 50Hz	
Recommended fuses	Outdoor unit	A	32		20	
	6kW BUH	A	32		20	
Pump	No. of speeds		2		2	
Expansion vessel volume		litres	10		10	
Water connections (diameter)		inches	1 ¼ (female)		1 ¼ (female)	
Max piping length OU to cylinder		m	10		10	

Nominal capacity and nominal input tested according to EN 14511 at the following conditions:

Heating a: Ambient air temperature 7°C and leaving water temperature 35°C (A7 W35) Heating b: Ambient air temperature -7°C and leaving water temperature 45°C (A-7 W45)

Cooling: Ambient air temperature 35°C and leaving water temperature 7°C (A35 W7)

Sound pressure level measured at 1m from the unit

## Accessories:

Accessory Ref	Description	Trade Price
EKBPHTH16A	Bottom plate heater for outdoor units sizes 014-016 (see note)	£132.00
EKRPIHBA	Optional PCB kit for remote alarm monitoring, run and fault indication, solar interlock for heat pump and bivalent operation	£104.00
RTRNETA3AA	Netatmo thermostat for smartphone	£180.00
EKRTHWA	Optional wired room thermostatic controller	£99.00
EKRTR	Optional wireless room thermostatic controller	£194.00
EKRTEFS	Floor temperature sensor for use with wireless room thermostat EKRTR	£14.00

## Notes:

- It is strongly recommended to install the bottom plate heater in units that will be installed in a region that will experience prolonged periods below 0°C with very high humidity
- Every unit is supplied with a controller

## Features:

- > The Daikin Altherma Monobloc contains all components and the back-up heater in the outdoor unit
- > In this system, water pipes, rather than refrigerant lines, run from the outdoor unit to indoors which means that no special refrigerant handling is necessary for installation

**R-410A**

Heating and Cooling EBHQ

# Low Temperature Monobloc Heat Pump (14-16kW)



Outdoor Unit			Single Phase		3 Phase	
			EBHQ014BB6V3	EBHQ016BB6V3	EBHQ014BB6W1	EBHQ016BB6W1
<b>Description</b>			<b>14kW, 1-phase, 230V</b>	<b>16kW, 1-phase, 230V</b>	<b>14kW, 3-phase, 400V</b>	<b>16kW, 3-phase, 400V</b>
<b>Trade Unit Price</b>			<b>£2,950.00</b>	<b>£3,330.00</b>	<b>£3,110.00</b>	<b>£3,515.00</b>
Function			Reversible	Reversible	Reversible	Reversible
Dimensions	Height x Width x Depth	mm	1418 x 1435 x 382		1418 x 1435 x 382	
Weight		kg	180		180	
Nominal capacity	Heating (a/b)	kW	14 / 7.72	16 / 8.7	14 / 7.72	16 / 8.7
	Cooling	kW	12.5	13.1	12.5	13.1
Nominal input	Heating (a/b)	kW	3.29 / 3.76	3.88 / 4.44	3.3 / 3.84	3.81 / 4.39
	Cooling	kW	5.39	5.93	5.06	5.75
COP	Heating (a/b)		4.25 / 2.05	4.12 / 1.96	4.23 / 2.01	4.2 / 1.98
Seasonal space heating efficiency	Space heating (Average climate) 35°C	Class	A+	A+	A+	A+
		Efficiency	130	123	130	127
	Space heating (Average climate) 55°C	Class	A+	A+	A+	A+
		Efficiency	105	101	110	111
EER	Cooling		2.32	2.21	2.47	2.28
Operation range	Heating	°C	-15~35		-15~35	
	Cooling	°C	10~46		10~46	
	Hot water	°C	-15~35		-15~35	
Sound pressure / power level	Heating	dBA	51 / 65	52 / 66	51 / 65	53 / 66
	Cooling	dBA	52 / 66	54 / 69	52 / 66	54 / 69
Refrigerant charge (factory)	R-410A	kg	2.95		2.95	
Back up heater (factory fitted)		kW	6		6	
Power supply			1-phase / 230V / 50Hz		3-phase / 400V / 50Hz	
Recommended fuses	Outdoor unit	A	32		20	
	6kW BUH	A	32		20	
Pump	No. of speeds		2		2	
Expansion vessel volume		litres	10		10	
Water connections (diameter)		inches	1 ¼ (female)		1 ¼ (female)	
Max piping length OU to cylinder		m	10		10	

Nominal capacity and nominal input tested according to EN 14511 at the following conditions:

Heating a: Ambient air temperature 7°C and leaving water temperature 35°C (A7 W35) Heating b: Ambient air temperature -7°C and leaving water temperature 45°C (A-7 W45)

Cooling: Ambient air temperature 35°C and leaving water temperature 7°C (A35 W7)

Sound pressure level measured at 1m from the unit



EKHWSU

# Hot Water Cylinder for Low Temperature Split and Monobloc

Domestic hot water cylinder			UK.EKHWSU150B3V3	UK.EKHWSU200B3V3	UK.EKHWSU300B3V3
<b>Description</b>			<b>150L unvented cylinder (Including EKUHWBB)</b>	<b>200L unvented cylinder (Including EKUHWBB)</b>	<b>300L unvented cylinder (Including EKUHWBB)</b>
<b>Trade Unit Price</b>			<b>£1,064.00</b>	<b>£1,081.00</b>	<b>£1,188.00</b>
Suitable for			Unvented systems (EKUHWBB kit included)		
Energy efficiency class			C	C	C
Standing heat loss (ErP)	W		65	74	91
Storage volume	L		150	200	285
Standing heat loss	kWh/24h		115	177	219
Max water temperature	°C		85		
Booster heater capacity	kW		3		
Power supply			1-phase / 230V / 50Hz		
Recommended fuses	A		16		
Height	mm		1015	1265	1715
Diameter	mm		580		
Empty weight	kg		38	46	60
Material inside cylinder			Stainless steel		
Piping connections (diameter)	Water inlet H/E	inch	3/4 (female)		
	Water outlet H/E	inch	3/4 (female)		
	Cold water in	inch	3/4 (female)		
	Hot water out	inch	3/4 (female)		

## Features:

- > This stainless steel unvented cylinder is the ideal partner for Daikin Altherma Low Temperature Split and Monobloc heat pumps
- > Fitted with 3kW immersion heater as standard
- > Supplied with 3-way valve and G3 safety kit (EKUHWBB)
- > For vented hot water cylinders, please contact your local sales office



R-410A R-134a



ERSQ

# High Temperature Split Heat Pump (outdoor)

Outdoor Unit			Single Phase			3 Phase		
			ERSQ011AV1	ERSQ014AV1	ERSQ016AV1	ERSQ011AY1	ERSQ014AY1	ERSQ016AY1
<b>Description</b>			11kW, 1-phase, 230V	14kW, 1-phase, 230V	16kW, 1-phase, 230V	11kW, 3-phase, 400V	14kW, 3-phase, 400V	16kW, 3-phase, 400V
<b>Trade Unit Price</b>			£2,472.00	£2,789.00	£3,013.00	£2,699.00	£2,831.00	£3,345.00
Dimensions	Height x Width x Depth	mm	1345 x 900 x 320			1345 x 900 x 320		
Weight		kg	120			120		
Nominal capacity	Heating (a/b)	kW	11 / 11	14 / 14	16 / 16	11 / 11	14 / 14	16 / 16
Nominal input	Heating (a/b)	kW	3.03 / 3.57	4.07 / 4.66	4.83 / 5.57	3.03 / 3.57	4.07 / 4.66	4.83 / 5.57
COP	Heating (a/b)		3.63 / 3.08	3.44 / 3.00	3.31 / 2.88	3.63 / 3.08	3.44 / 3.00	3.31 / 2.88
Seasonal space heating efficiency*	Space heating (Average climate) 35°C	Class	B	B	B	B	B	B
		Efficiency	105	110	112	105	110	112
		SCOP	2.7	2.68	2.88	2.7	2.68	2.88
	Space heating (Average climate) 55°C	Class	A+	A+	A+	A+	A+	A+
		Efficiency	103	104	102	103	104	102
		SCOP	2.65	2.66	2.61	2.65	2.66	2.61
Operation range	Heating	°C	-20 ~ + 24			-20 ~ + 24		
	Hot water	°C	-20 ~ + 35			-20 ~ + 35		
Sound pressure / power level	Heating	dB(A)	52 / 68	53 / 69	55 / 71	52 / 68	53 / 69	55 / 71
Refrigerant charge	R-410A	kg	4.5			4.5		
Piping connections	Liquid	inches	3/8			3/8		
	Gas	inches	5/8			5/8		
Max piping length OU to IU		m	50			50		
Power supply			1-phase / 230V / 50Hz			3-phase / 400V / 50Hz		
Recommended fuses		A	25			16		

\* When combined with matching indoor unit

Nominal capacity and nominal input tested at the following conditions: a. A7 W45 according to EN14511 b. A7 W65 according to Eurovent rating standard 6/C/003-2006

## Features:

- > The outdoor unit extracts heat from the ambient air and transfers it to the indoor unit via refrigerant piping
- > Heating only versions
- > Order with matching indoor unit

## EKHBRD

# High Temperature Split Hydrobox (floor standing)



Indoor Unit (floor standing)			Single Phase			3 Phase		
			EKHBRD011ADV1	EKHBRD014ADV1	EKHBRD016ADV1	EKHBRD011ADY1	EKHBRD014ADY1	EKHBRD016ADY1
<b>Description</b>			11kW, 1-phase, 230V	14kW, 1-phase, 230V	16kW, 1-phase, 230V	11kW, 3-phase, 400V	14kW, 3-phase, 400V	16kW, 3-phase, 400V
<b>Trade Unit Price</b>			£2,985.00	£3,038.00	£3,130.00	£3,045.00	£3,099.00	£3,192.00
To use with			ERSQ011AV1	ERSQ014AV1	ERSQ016AV1	ERSQ011AY1	ERSQ014AY1	ERSQ016AY1
Dimensions	Height x Width x Depth	mm	705 x 600 x 695			705 x 600 x 695		
Weight		kg	144.25			147.25		
Leaving water temperature range		°C	25~80 without electrical heater			25~80 without electrical heater		
Refrigerant charge (factory)	R134a	kg	3.2			3.2		
Power supply			1-phase / 230V / 50Hz			3-phase / 400V / 50Hz		
Recommended fuses		A	25			16		
Pump	No. of speeds		Inverter controlled			Inverter controlled		
Expansion vessel volume		litres	12			12		
Water connections (diameter)		inch	1 (female)			1 (female)		

## Features:

- > The indoor unit receives the heat from the outdoor unit and further increases the temperature up to 80°C, which is ideal for use with existing radiators
- > It is designed to only be used with the integrated hot water cylinder EKHTSU
- > For RHI, check maximum design flow temperature carefully

## Accessories:

Accessory Ref	Description	Trade Price
RTRNETA3AA	Netatmo thermostat for smartphone	£180.00
EKBPHTH16A	Bottom plate heater for outdoor unit sizes 011-016	£132.00
EKBUA6V3	In line back up electric heater 6kW, 1-phase, 230V (also requires EKRP1AHT) – for space heating only	£461.00
EKBUA6W1	In line back up electric heater 6kW, 3-phase, 400V (also requires EKRP1AHT) – for space heating only	£461.00
EKRP1AHT	Optional PCB for demand control (required for EKRTW, EKRTTR, EKRTETS, EKBUH*)	£104.00
EKRUHTB	Remote user interface	£157.00
EKRP1HBA	Optional PCB kit for remote alarm monitoring, run and fault indication and solar interlock for heat pump	£104.00
EKRTWA	Optional wired room thermostatic controller (also requires EKRP1AHT)	£99.00
EKRTTR	Optional wireless room thermostatic controller (also requires EKRP1AHT)	£194.00
EKRTETS	Floor temperature sensor for use with EKRTTR (also requires EKRP1AHT)	£14.00
RTD-W	MODBUS interface for HT hydrobox	£205.00
K.CWB140-2	Wall mounting bracket for outdoor unit ERSQ 011-016	£46.00
K.DT2	Condensate drip tray for use with K.CWB140-2	£59.00
K.CGL	Outdoor unit guard for ERSQ 011-016	£354.00
K.FF600ASN	Pair of flexi feet to mount the outdoor unit	£68.00



EKHTSU

## Hot Water Cylinder for High Temperature Split

Domestic hot water cylinder			UK.EKHTSU200AC	UK.EKHTSU260AC
Description			200L unvented cylinder	260L unvented cylinder
Trade Unit Price			£1,113.00	£1,261.00
Suitable for			Unvented systems (including EKHWHHTB)	
Energy efficiency class			B	B
Standing heat loss (ErP)			50	63
Storage volume			200	260
Max water temperature			75	
Standing heat loss			12	15
Dimensions (cylinder only)			1335 x 600 x 695	1610 x 600 x 695
Dimensions (cylinder integrated on hydrobox)			2010 x 600 x 695	2285 x 600 x 695
Empty weight			70	78
Material inside cylinder			Stainless steel	
Piping connections (diameter)			25 (female quick coupling, supplied, integrated solution)	
Water inlet H/E			25 (female quick coupling, supplied, integrated solution)	
Water outlet H/E			25 (female quick coupling, supplied, integrated solution)	
Cold water in			3/4 (female)	
Hot water out			3/4 (female)	

### Accessories:

Accessory Ref	Description	Trade Price
EKFMAHTB	Kit for standalone installation with floor standing hydrobox	£277.00

### Features:

- > This integrated cylinder is designed for use with Daikin Altherma HT only
- > The cylinder features fast heat-up and recovery times, and low heat losses
- > The indoor unit and hot water cylinder are designed to be stacked to save space, or can alternatively be installed next to each other if limited height is available for installation (please order EKFMAHTB)
- > Supplied with 3-way valve and G3 safety kit (EKUHWHTB)

## Air-to-Water Heat Pump Combination Table

Daikin have a full range of air-to-water heat pumps to suit many installation requirements and applications. Use the table below to help select the right combination of equipment.

	Outdoor	Indoor	DHW cylinder	or	Thermal store
LT Split 4-16kW	 <p>ERLQ004-008 (page 120)</p> <p>ERLQ011-016 (page 120)</p>	 <p>EHBH/X04-16 (page 121)</p>	 <p>UK.EKHWSU150-300B (page 125)</p>	or	 <p>EKHWP300-500(P)B</p>
LT Monobloc 5-7kW	 <p>EDLQ05-07 (page 123)</p>	 <p>Wiring centre EKCB (page 123)</p> <p>Back-up heater (optional) EKMBUH (page 123)</p>	 <p>UK.EKHWSU150-300B (page 125)</p>	or	 <p>EKHWP300-500(P)B</p>
LT Monobloc 14-16kW	 <p>EDHQ/EBHQ014-016 (page 124 - 125)</p>		 <p>UK.EKHWSU150-300B (page 125)</p>	or	 <p>EKHWP300-500(P)B</p>
HT Split 11-16kW	 <p>ERSQ011-016 (page 126)</p>	 <p>EKHBRD011-016 (page 126)</p>	 <p>UK.EKHTSU200-260AC (page 127)</p>	or	 <p>EKHWP300-500(P)B</p>

## Hybrid Heat Pump

The Daikin Altherma Hybrid Heat Pump is unique technology. It combines a high efficiency gas combi boiler with a renewable energy air-to-water heat pump, all in one efficient, compact heating system.

### Daikin Altherma Hybrid heat pump

**The smart hybrid logic automatically selects the most energy efficient and cost-effective operation based on the user's energy tariff, at any given temperature to make it the most efficient solution on the market.**

- > Suitable for heating systems requiring flow temperatures up to 80°C
- > Eligible for RHI when fitted with required heat and electric meters
- > Single compact indoor unit to minimise space
- > No DHW tank needed – hot water delivered by combi boiler
- > Suitable for LPG applications for even higher running cost savings
- > Simple easy to use backlit control using energy tariffs for automatic control
- > All key components built in: A-label pump, expansion vessel, pressure relief
- > Heat pump capacity: 5 and 8kW
- > Boiler output CH 27kW (80/60) and DHW 33kW (13 l/min at  $\Delta T$  35K)
- > Boiler SEDBUK (2009) rated 89.1% (natural gas) and 90.1% (LPG)
- > Dedicated training courses available



**R-410A**

EVLQ / EHYHBH / EHYKOMB

# Daikin Altherma Hybrid Heat Pump System



Outdoor Units			EVLQ05CV3	EVLQ08CV3
Dimensions	Height x Width x Depth	mm	735 x 832 x 307	
Weight		kg	54	56
Nominal capacity	Heating	kW	4.4	7.4
Nominal input	Heating	kW	0.87	1.66
COP	Heating		5.04	4.45
Seasonal space heating efficiency*	Space heating (Average climate) 55°C	Class	A++	A++
		Efficiency	128	127
		SCOP	3.28	3.24
Domestic hot water heating*	Average climate	Class	A	A
		$\eta_{wh}$	95	95
		Declared load profile	XL	XL
Operation range (ambient)	Heating	°C	-25~25	
Sound pressure / power level	Heating	dB(A)	48 / 61	49 / 62
Refrigerant charge	R-410A	kg	1.45	1.6
Piping connections	Liquid	inches	1/4	
	Gas	inches	5/8	
Max piping length OU to IU		m	20	
Power supply			1-phase / 230V / 50Hz	
Recommended fuses		A	20	

\* When combined with matching indoor unit

Indoor Unit and boiler wall hung (1 combined unit)				
Indoor Unit (heat pump)			EHYHBH05AV32	EHYHBH08AV32
Function			Heating Only	Heating Only
To use with			EVLQ05CV3	EVLQ08CV3
Dimensions	Height x Width x Depth	mm	1075 x 450 x 164	
Weight		kg	30	31.2
Leaving water temperature range	Heating	°C	25~55	
Pump	No. of speeds		Inverter controlled	
Expansion vessel volume		litres	10	
Indoor Unit (boiler)			EHYKOMB33AA2	
Function			Heating only	
To use with			EHYHBH05AV32 EHYHBH08AV32	
Dimensions	Height x Width x Depth	mm	710 x 450 x 240	
Max dimensions (boiler and heat pump)	Height x Width x Depth	mm	1075 x 450 x 405	
Weight		kg	36	
Capacity (heating)	Minimum	kW	7.6	
	Maximum	kW	27	
Capacity (hot water)	Minimum	kW	7.6	
	Maximum	kW	32.7	
Leaving water temperature range	Heating	°C	15 ~ 80	
	Hot water	°C	40 ~ 65	
DHW flow rate $\Delta T$ 35K	Hot water	l/min	13.1	
Heating connections	Diameter	mm	22	
DHW connections	Diameter	mm	15	
Gas connection	Diameter	mm	15	
IP rating			IP44	
Device type			C13, C33, C53	
Supply pressure	Natural gas (G20)	mbar	20	
	LPG (G31)	mbar	30-37	
Nox class			5	
Flue gas connection			60/100	
Maximum flue length, 60/100		m	10	
Maximum flue length, 80/125		m	29	
SEDBUK rating (2009)		%	89.1 (NG) / 90.1 (LPG)	

Nominal capacity and nominal input tested according to EN 14511 at the following conditions:

Heating: Ambient air temperature 7°C and leaving water temperature 35°C (A7 W35)

Sound pressure level measured at 1m from the unit



# Daikin Altherma Hybrid Heat Pump System



Part Number	Description	Trade Price
<b>UK.HYBRID05B33</b>	<b>Hybrid 5kW pack</b>	<b>£3,400.00</b>
	This pack contains:	
EVLQ05CV3	Outdoor unit: 5kW, 1-phase, 230V	
EHYHBH05AV32	Hydrobox: 5kW, 1-phase, 230V	
EHYKOMB33AA2	Hybrid combi boiler: 33/27kW	
EKRUCBL2	User interface	
EKHY093467	Pipe cover plate	
EKVK3A	Hybrid valve pack	
<b>UK.HYBRID08B33</b>	<b>Hybrid 8kW pack</b>	<b>£3,850.00</b>
	This pack contains:	
EVLQ08CV3	Outdoor unit: 8kW, 1-phase, 230V	
EHYHBH08AV32	Hydrobox: 8kW, 1-phase, 230V	
EHYKOMB33AA2	Hybrid combi boiler: 33/27kW	
EKRUCBL2	User interface	
EKHY093467	Pipe cover plate	
EKVK3A	Hybrid valve pack	

## Accessories:

Accessory Ref	Description	Trade Price
K.HEATMET	<b>Heat meter for domestic RHI (for Altherma hybrid only)</b> Class 3 heat meter delivered with body, digital interface and 2 temperature sensors	<b>£170.00</b>
K.ELECTMETV	<b>Electric meter for RHI (single phase)</b> IEC Class 1 electric meter to measure the electricity consumption of the Daikin Altherma heat pump	<b>£109.00</b>
EKHY075787	LPG conversion kit	<b>£20.00</b>
EKHY090717	Flue adapter 80/125	<b>£20.00</b>
EKPCCAB3	PC cable – to upload field settings from PC to unit or spare controller	<b>£180.00</b>
EKRP1HBA	Optional PCB kit for remote alarm monitoring, run and fault indication and solar interlock	<b>£104.00</b>
EKRUCBS	Optional simplified room thermostat	<b>£80.00</b>
RTRNETA3AA	Netatmo thermostat for smartphone	<b>£180.00</b>
EKRSC1*	Optional remote temperature sensor for outdoor temperature (see note)	<b>£61.00</b>
KRCS01-1*	Optional remote temperature sensor for indoor temperature (see note)	<b>£46.00</b>
EKFT008CA	U-beams to mount the outdoor unit EVLQ05CV3	<b>£83.00</b>
EKDP008C	Drainpan and U-beams for outdoor unit EVLQ05CV3	<b>£116.00</b>
EKDPH008C	Heater mat for drainpan (EKDP008C)	<b>£176.00</b>
K.FF600ASN	Pair of flexi feet to mount the outdoor unit	<b>£47.00</b>
K.CWB90-2	Wall mounting bracket for outdoor unit	<b>£36.00</b>
K.DT1	Condensate drip tray for K.CWB90-2	<b>£54.00</b>
K.CGM	Outdoor unit guard	<b>£296.00</b>

## Notes:

- i) \* Only one optional remote sensor can be installed

## Features:

- > Revolutionary hybrid heat pump system with higher efficiency and higher running cost savings than condensing boiler alone
- > Boiler can be converted to run on LPG
- > Delivered as a set including outdoor unit, indoor unit, boiler, controller and pipe cover plate
- > Flues ordered separately

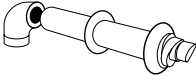
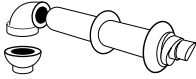
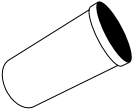


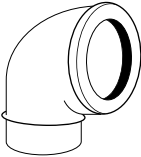
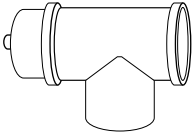
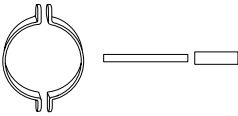
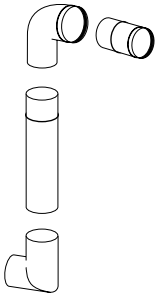
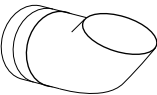
## Daikin Altherma Hybrid Heat Pump System

# Hybrid Tank Connection Kits

Part Number	Description	Trade Price
EKEPHT3H	<b>Daikin thermal store (EKHWP-B)</b> This pack contains: 3 way valve (Honeywell) Tank sensor (HT + adapter) 2 x isolation valves T-piece	<b>£174.00</b>
EKHY3PART	<b>Third party tank – dry pocket sensor</b> This pack contains: 3 way valve (ESBE) Tank sensor (LT)	<b>£145.00</b>
EKHY3PART2	<b>Third party tank – thermostat only</b> This pack contains: 3 way valve (ESBE) Wire harness	<b>£175.00</b>

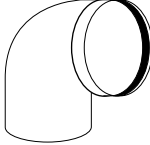
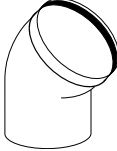
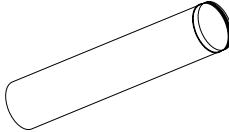
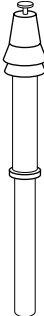
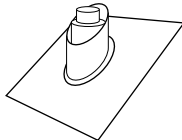
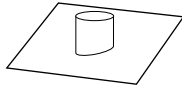
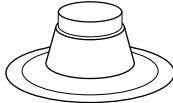

Daikin Altherma Hybrid Heat Pump System

## Flue Accessories (60/100)

	Description	Quantity per pack	Part number	Trade Price
	Horizontal flue kit 60/100	1	EKFGP1292	£43.00
	Horizontal flue kit with low profile elbow 60/100	1	EKFGP1293	£52.00
	Extension 60/100 x 500mm	1	EKFGP4651	£25.00
	Extension 60/100 x 1000mm	1	EKFGP4652	£30.00
	Elbow 60/100, 30 degrees	1	EKFGP4664	£33.00
	Elbow 60/100, 45 degrees	1	EKFGP4661	£22.00
	Elbow 60/100, 87 degrees	1	EKFGP4660	£22.00
	Tee with inspection panel 60/100	1	EKFGP4667	£82.00
	Wall bracket DN.100	1	EKFGP4631	£6.00
	Plume Management Kit (PMK)	1	EKFGP1294	£36.00
	Flue deflector	1	EKFGP1295	£14.00

Daikin Altherma Hybrid Heat Pump System

Flue Accessories (60/100) (Continued)

	Description	Quantity per pack	Part number	Trade Price
	PMK elbow, 87 degrees	1	EKFGP1284	£12.00
	PMK elbow, 45 degrees	2	EKFGP1285	£20.00
	PMK extension, length 1000mm incl. bracket	1	EKFGP1286	£18.00
	Vertical roof terminal 60/100	1	EKFGP6837	£60.00
	Weather slate (plastic) 60/100 (25-45 degrees)	1	EKFGP7910	£27.00
	Weather slate 60/100 18-22 degrees	1	EKFGS0518	£90.00
	23-27 degrees	1	EKFGS0519	£90.00
	43-47 degrees	1	EKFGS0523	£90.00
	48-52 degrees	1	EKFGS0524	£90.00
	53-57 degrees	1	EKFGS0525	£90.00
	Weather slate flat aluminium 60/100	1	EKFGP6940	£20.00
	Weather slate flat aluminium 60/100 (0 - 15 degrees)	1	EKFGP1296	£50.00

# Netatmo



Take control of your home's temperature with the Thermostat for smartphones, tablets, and laptops, designed by Starck.

## Netatmo by Starck

**Netatmo gives homeowners the option to control their heating temperature via an easy to use smartphone app.**

- > With all the functionality of a programmable room thermostat, Netatmo may be fixed to a wall or used wirelessly. It is installed together with a user interface on smartphone, tablet or computer.
- > Once installed, Netatmo gives the user precise remote control of heat output, a weekly schedule reflecting the family's habits and monthly energy savings reports. This can help you reduce your energy consumption by up to 25% by only heating when you need it.

Accessory		RTRNETA3AA	
Description		Netatmo Smart Thermostat	
Trade Unit Price		£180.00	
Dimensions	Height	83	
	Width	83	
	Depth	22	
Product fiche	Class	IV	
	Contribution	%	2.0
Temperature (measures)	Range	0 ~ 50	
	Accuracy	°C	±0.5
Temperature (setpoint)	Setpoint range	5 ~ 30	
	Increment measure	°C	0.5
Wireless Specifications	Wi-Fi	802.11b/g/n (2.4GHz)	
	Security	Open/WEP/WPA/WPA2-Personal (TKIP et AES)	
Power		3 AAA batteries	

## Netatmo combination tables:

Product	Series
Daikin Altherma air source heat pump	EHBH-CB
	EDLQ-C*
	EDHQ-BB
	EKHBRD-AD**
	EHYHBH-A



**netatmo**  
BY STARCK®

\*Wiring centre EKCB07CV3

\*\*Option PCB type EKRP1AHTA is required

# Solar Thermal



Daikin solar systems maximise the use of renewable free energy from the sun through high efficiency flat plate collectors. The Daikin solar thermal system is available in drainback and pressurised options and is designed to work in conjunction with Daikin Altherma air-to-water heat pumps for maximum efficiency. Solar panels are Solar Keymark approved and eligible for the Domestic RHI.

## Drainback solar system

- > The drainback solar system is a low maintenance system which does not need antifreeze agents
- > It consists of an unpressurised thermal store which can be combined with Daikin Altherma heat pumps or another auxiliary heat source
- > Water in the store is pumped to the solar panels, heated and returns to stratify in the Daikin thermal store
- > When solar energy is not available, the solar collectors empty and water drains back to the store

## Pressurised solar system

- > The pressurised solar system transfers heat to the unvented cylinder via a specially designed heat exchanger kit. This allows the entire cylinder to be heated by solar energy
- > During solar heating, the heat pump is disabled to ensure maximum efficiency

## Standalone solar system

- > The standalone solar system combines a pressurised solar system and a twin-coil unvented cylinder and is designed to be combined with an auxiliary gas boiler
- > Ideal for on-gas retrofit applications

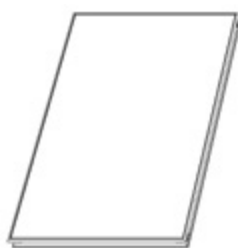


Solar pressurised



Solar drainback

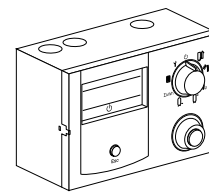




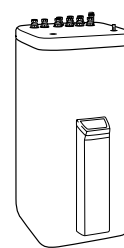
Solar panel



Solar pump station



Solar controller



DHW Thermal Store

## Solar Panel EKS<sub>V</sub> / EK<sub>SH</sub>

			EKS <sub>V</sub> 21P	EKS <sub>V</sub> 26P	EKS <sub>H</sub> 26P
Type			Vertical	Vertical	Horizontal
Dimensions	Height x Width x Depth	mm	2000 x 1006 x 85	2000 x 1300 x 85	1300 x 2000 x 85
Weight		kg	35	42	42
Max operating pressure		Bar	6	6	6
Max standstill temp		°C	200	200	200
<b>Information for SAP assessors and for MCS installers</b>					
Gross / net aperture area		m <sup>2</sup>	2.0 / 1.8	2.6 / 2.36	2.6 / 2.36
Zero loss efficiency		-	0.784	0.784	0.784
Heat loss coefficient (a1)		W/m <sup>2</sup> .K	4.25	4.25	4.25
Heat loss coefficient (a2)		W/m <sup>2</sup> .K <sup>2</sup>	0.0072	0.0072	0.0072

## Solar Pump Station EK<sub>SRD</sub> / EK<sub>SRP</sub>

			EK <sub>SRD</sub> 52A	EK <sub>SRP</sub> 54A
System			pressurised	drainback
Dimensions	Height x Width x Depth	mm	410 x 240 x 130	230 x 815 x 142
Power supply			230 / 50Hz	230 / 50Hz
Solar pump			Grundfos UPM3 Solar 25-75	Grundfos UPS 15-145
Max pump power consumption		W	22.5	65
Max operating pressure		Bar	6	-
Max pump capacity		m <sup>3</sup> /h	2	-
Temperature range		°C	0-120 (160 short term)	-
Connections		-	1 1/4" female for Ø 22 clamping ring bolt (x4)	-

## Solar Controller

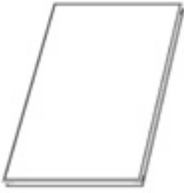

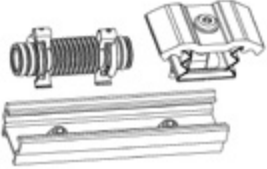
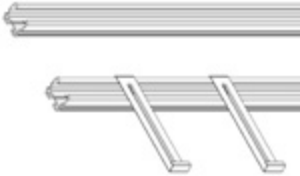
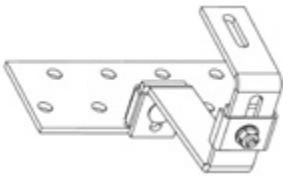
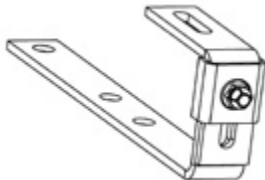
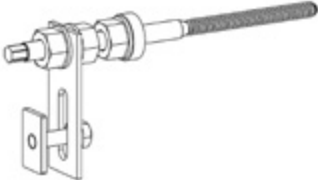
			162084	Part of EK <sub>SRP</sub> 54A
Dimensions	Height x Width x Depth	mm	60 x 145 x 95	-
Power supply			230 / 50Hz	230 / 50Hz
Max electric consumption		W	5	2
Display			Plain text	Plain text

## DHW Thermal Store EK<sub>HWP</sub>

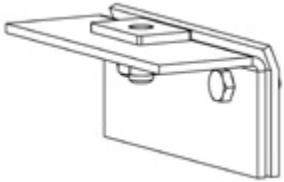

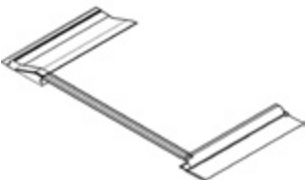



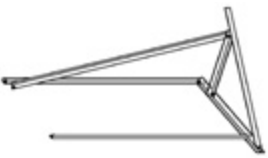

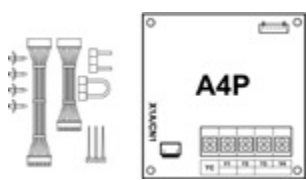
			EK <sub>HWP</sub> 300B	EK <sub>HWP</sub> 500B	EK <sub>HWP</sub> 300PB	EK <sub>HWP</sub> 500PB
Storage capacity		litres	300	500	300	500
Weight (empty)		kgs	59	93	64	98
Weight (filled)		kgs	359	593	364	598
Dimensions	Height x Width x Depth	mm	1640 x 615 x 595	1640 x 790 x 790	595 x 615 x 1646	790 x 790 x 1658
Max storage temp		°C	85	85	85	85
Heat loss at 60°C		kWh/24h	1.4	1.4	1.3	1.4
Energy efficiency class			B	B	B	B
Standing heat loss		W	64	72	64	72
Storage volume		L	294	477	294	477
Coil material			Stainless Steel 1.4404			
Potable water capacity		litres	27.9	29.0	27.9	29.0
Max operating pressure (potable water)		Bar	6	6	6	6
DHW coil area		m <sup>2</sup>	5.8	6.0	2.7	3.8
Solar thermal system			Drainback		Pressurised	
<b>Information for SAP assessors and for MCS installers</b>						
Total volume (V)		litres	300	500	300	500
Dedicated solar volume (Vs)		litres	300	500	300	500
Surface area solar heat exchange coil		m <sup>2</sup>	N/A	N/A	0.8	1.7
Heating coil capacity		litres	13.2	18.5	13.2	18.5
Heating coil area		m <sup>2</sup>	2.7	3.8	2.7	3.8
<b>Pipe connections</b>						
Cold and hot water		Inches	1" outer thread		1" male	
Heating flow / return		Inches	1" female / 1" male		1" female / 1" male	
Solar		Inches	1" internal thread		3/4" female and 1" male	
<b>Thermal output data</b>						
Volume of hot water at given draw-off rate; without reheating (inlet = 10 °C / outlet = 40 °C / store = 50 °C)		litres	8 l/min = 184 12 l/min = 153	8 l/min = 364 <sup>(1)</sup> 12 l/min = 318 <sup>(1)</sup>	8 l/m = 184 12 l/m = 153	8 l/m = 324 <sup>(1)</sup> 12 l/m = 282 <sup>(1)</sup>
Reheat time (Wh) at given draw-off volume (inlet = 10 °C / outlet = 40 °C / store = 50 °C)		mins	With 8kW heat pump 90 litres = 30 140 litres = 45	With 16kW heat pump 90 litres = 17 140 litres = 25	With 8kW heat pump 90 litres = 30 140 litres = 45	With 16kW heat pump 90 litres = 17 140 litres = 25
<b>DHW Thermal store combination</b>						
<b>Daikin Altherma LT</b>			<b>EK<sub>HWP</sub>300B</b>	<b>EK<sub>HWP</sub>500B</b>	<b>EK<sub>HWP</sub>300PB</b>	<b>EK<sub>HWP</sub>500PB</b>
Connection kit <sup>(2)</sup>			ERLQ04-8	ERLQ11-16	ERLQ04-8	ERLQ11-16
Immersion heater (required)			EKDVCLPT3HX	EKDVCLPT5H	EKDVCLPT3HX	EKDVCLPT5H
<b>Daikin Altherma HT</b>			EKBH35	EKBH35	EKBH35	EKBH35
Connection kit			ERSQ011-16	ERSQ011-16	ERSQ011-16	ERSQ011-16
Immersion heater (optional)			EKEPHT3H	EKEPHT5H	EKEPHT3H	EKEPHT5H
			16 51 35	16 51 35	16 51 35	16 51 35

1. with immersion heater 2. connection kits include 3 way valve, sensors and isolation valves

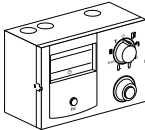





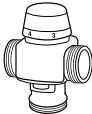
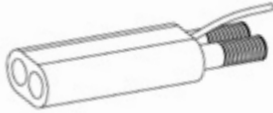
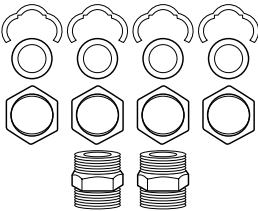

# Solar Panels, Fixings and Installation Kits (common components)

	Description	Part number	Trade Price
	<b>Solar panel (vertical) – standard</b> (2000 x 1300 x 85mm), aperture area 2.35m <sup>2</sup> , weight 42kg, water content 1.7 L. Max. 6 bar  Note: Max 5 panels	EKSV26P	<b>£404.00</b>
	<b>Solar panel (vertical) – small</b> (2000 x 1006 x 85mm), aperture area 1.79m <sup>2</sup> , weight 35kg, water content 1.3 L. Max. 6 bar  Note: Max 5 panels	EKSV21P	<b>£338.00</b>
	<b>Solar panel (horizontal) – standard</b> (1300 x 2000 x 85mm), aperture area 2.35m <sup>2</sup> , weight 42kg, water content 2.1 L. Max. 6 bar  Note: For pressurised systems only	EKSH26P	<b>£415.00</b>
	<b>Kit to couple 2 solar panels</b> Mounting profile connector, expansion joints and double clamping blocks	162016-RTX	<b>£35.00</b>
	<b>Mounting rail for vertical panels</b> Consisting of mounting profile rails and solar panel securing ties  Note: Different for standard and small panels	162066 For EKSV21P (Was 162013)	<b>£24.00</b>
		162067 For EKSV26P (Was EKSFIXMP130)	<b>£30.00</b>
		162068 For EKSH26P (Was EKSFIXMP200)	<b>£42.00</b>
	<b>4x Support hooks for high profile tiles</b> 4 double height-adjustable roof ties including fixing material for one solar panel  Note: Was EKSFIXADP	162036-RTX	<b>£69.00</b>
	<b>4x Support hooks for flat tiles (slate)</b> 4 roof ties for flat roofing, e.g. slate, for one solar panel  Note: Was EKSFIXADS	164723	<b>£40.00</b>
	<b>4x Support hooks for curved roofings</b> Including fixing material for one solar panel  Note: Was EKSFIXWD	164703-RTX	<b>£50.00</b>




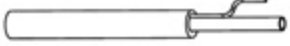
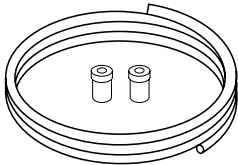

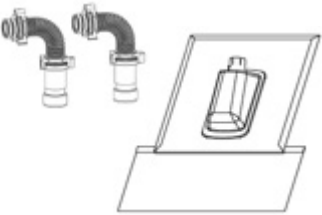

# Solar Panels, Fixings and Installation Kits (common components)

	Description	Part number	Trade Price
	<p><b>4x Support hooks for sheet metal roofs</b> Including fixing material for one solar panel</p> <p>Note: Was EKSFIXBD</p>	164704-RTX	£47.00
	<p><b>In-roof installation kit for 2x vertical panels</b> For two solar panels, covering sheets complete with mounting material. Minimum roof angle 15°</p> <p>Note: Different for standard and small panels</p>	162019 For EKSV26P	£256.00
		162017 For EKSV21P	£426.00
	<p><b>In-roof extension kit for 1 additional vertical panel</b> For one further solar panel, covering sheets complete with mounting material. Minimum roof angle 15°</p> <p>Note: Different for standard and small panels</p>	162020 For EKSV26P	£199.00
		162018 For EKSV21P	£190.00
	<p><b>Flat roof kit for 2x vertical panels</b> Preassembled system for quick and easy assembly, with incremental adjustment of solar panel inclination between 30-60 degrees</p> <p>Note: For EKSV26P only</p>	162058	£382.00
	<p><b>Flat roof extension kit for 1 additional vertical panel</b> Preassembled system for quick and easy assembly, with incremental adjustment of solar panel inclination between 30-60 degrees</p> <p>Note: For EKSV26P only</p>	162059	£152.00
	<p><b>Flat roof kit for 1 horizontal panel</b> Preassembled system for quick and easy assembly, with incremental adjustment of solar panel inclination between 30-60 degrees</p> <p>Note: For EKSH26P only</p>	162060	£181.00
	<p><b>Flat roof extension kit for 1 additional horizontal panel</b> Preassembled system for quick and easy assembly, with incremental adjustment of solar panel inclination between 30-60 degrees</p> <p>Note: For EKSH26P only</p>	162061	£125.00
	<p><b>Connection cable to disable heat pump</b> The connection cable is required to connect the solar priority PCB kit to heat pump</p> <p>Note: Need to order EKRPHBA with this part Was EK5164110</p>	164110-RTX	£11.00
	<p><b>Solar priority PCB kit</b> This enables an interlock between the Daikin solar controller and Altherma heat pumps</p> <p>Note: Need to order 164110-RTX with this part</p>	EKRPHBA	£104.00

# Solar Pressurised Accessories

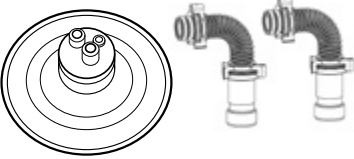
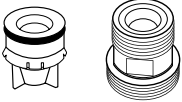
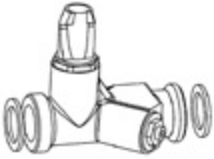

	Description	Part number	Trade Price
	<p><b>Solar controller</b> Solar differential temperature regulation for the Daikin solar pressurised system. Regulator with graphic display for representation of hydraulic schematics and yield balances. Including return flow and storage tank temperature sensor and housing for wall mounting</p>	162084	£191.00
	<p><b>Pump station</b> Consisting of: Pipe connection (diameter 22mm) including pipe compression fittings and support sleeves (5x), flow regulator with 2 x KFE valves, integrated air separator, ball valves with integrated backflow preventor, Grundfos UPM3 Solar 25-75 pump, safety group with pressure gauge, including insulation and mounting accessories</p>	EKS RDS2A	£284.00
	<p><b>Flow sensor for energy metering</b> Flow sensor for energy monitoring to enable automatic pump speed control to maximise efficiency by measuring the flow volume and flow temperature</p> <p>Note: Was EKSFLP12A</p>	164116	£75.00
	<p><b>Hydraulic connection kit (pressurised)</b> Connection kit for pressurised only, includes connection to solar panel, 2m UV resistant heat insulation for the external area, solar panel temperature sensor and end caps</p>	EKS RCP	£112.00
	<p><b>Connection pipe for solar panel rows</b> Connection kit for connecting two rows of collectors one above the other. Consisting of solar panel mounting material, equipotential bonding clamps, end caps, connecting brackets and 1m thermally insulated piping</p> <p>Note: Was EKSCONLCP</p>	162045	£75.00
	<p><b>Antifreeze fluid (glycol, 20L)</b> 20L of pre-mixed solar fluid in a canister, SOL 5F. Functional range up to -28°C</p> <p>Note: Was EKSGFL</p>	162052-RTX	£70.00
	<p><b>Thermostatic Mixing Valve</b> Thermal safety device for DHW outlet with a setting range from 35-60°C</p>	156015 + 156016	£65.00 + £27.00
	<p><b>15m solar pressurised pipe</b> Pre-insulated stainless steel flexible flow to panel (16mm) and return from panel (20mm) pipe with sensor cable, order with fittings as shown</p> <p>Note: Order connection pack separately 162073 + 162075 was 162021-RTX 162074 + 162076 was 162026-RTX</p>	162073 + 162075 Up to 3 panels (DN16)  162074 + 162076 4-5 panels (DN20)	£240.00 + £34.00  £350.00 + £50.00
	<p><b>Solar pipe connectors</b> Connectors to fit 2 pipes together for extension of solar pipe</p> <p>Note: 162071 was 162027-RTX 162072 was 162028-RTX</p>	162071 Up to 25m (DN16)  162072 Up to 25m (DN20)	£24.00  £20.00
	<p><b>Solar expansion vessel</b> Bracket and flexi hose included for installation</p>	162050 25 litre  162051-RTX 35 litre	£56.00  £144.00

# Solar Drainback Accessories

	Description	Part number	Trade Price												
	<b>Solar controller and pump station</b> Unit ready to plug in (230V), with digital differential temperature control system, return flow and storage tank temperature sensors and operating pump	EKSRPS4A	<b>£416.00</b>												
	<b>Solar connection pipe</b> Ready to plug in, connection pipe between the solar panel and the pump station, consisting of thermally insulated flow pipe to panel (15mm) and return pipe from panel (18mm) with integrated sensor cable. Available in 15 and 20m lengths  Note: 164732 was EKSCON15 164733 was EKSCON20	164732 15m length	<b>£94.00</b>												
		164733 20m length	<b>£112.00</b>												
	<b>Solar connection pipe extension</b> Ready to plug in, including fitting materials and connection fittings. Available in 2.5, 5 and 10m lengths  Note: 164261-RTX was EKSCONX25 164262-RTX was EKSCONX50 164263 was EKSCONX100	164261-RTX 2.5m	<b>£59.00</b>												
		164262-RTX 5m	<b>£67.00</b>												
		164263 10m	<b>£88.00</b>												
	<table border="1"> <thead> <tr> <th colspan="2">Maximum possible length of the connection pipe</th> </tr> <tr> <th>Number of solar panels</th> <th>Max. length</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>45m</td> </tr> <tr> <td>3</td> <td>30m</td> </tr> <tr> <td>4</td> <td>17m</td> </tr> <tr> <td>5</td> <td>15m</td> </tr> </tbody> </table>	Maximum possible length of the connection pipe		Number of solar panels	Max. length	2	45m	3	30m	4	17m	5	15m		
Maximum possible length of the connection pipe															
Number of solar panels	Max. length														
2	45m														
3	30m														
4	17m														
5	15m														
	<b>Solar flow pipe extension (15mm)</b> UV resistant thermally insulated, length L = 8m, including cable connection fitting for the solar panel sensor line  Note: Was EKSCONXV80	164264	<b>£74.00</b>												
	<b>Copper pipe connection kit</b> Connection kit when connecting onto copper pipe (if Daikin drainback pipe is not used). Consisting of 2m flow and return pipes, push-fit coupling onto 15mm and 18mm copper pipe	164232	<b>£54.00</b>												
	<b>Solar panel row connection kit</b> Connection kit for connecting two rows of collectors one above the other. Consisting of solar panel mounting material, equipotential bonding clamps, end caps, connecting brackets and 1m thermally insulated piping  Note: Was EKSCONRVP	162035-RTX	<b>£65.00</b>												
	<b>Hydraulic connection kit (on-roof)</b> Connection kit for drainback (on-roof), includes connection to solar panel, pitched roof flashing, 2m UV resistant insulation, solar panel temperature sensor and endcaps  Available in Anthracite or Brick red	EKSRCRP Brick red	<b>£154.00</b>												
		EKSRCAP Anthracite	<b>£154.00</b>												
	<b>Hydraulic connection kit (in-roof)</b> Connection kit for drainback (in-roof), includes connection to solar panel, solar panel temperature sensor and endcaps	162037-RTX	<b>£100.00</b>												



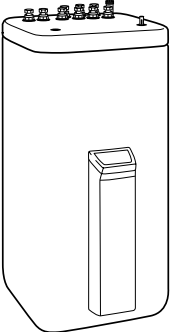
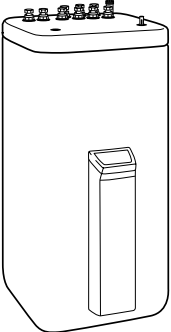
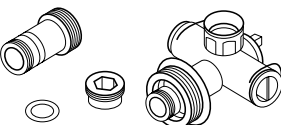
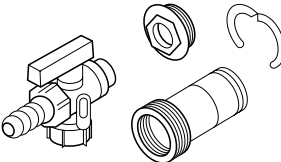
## Solar Drainback Accessories (Continued)

	Description	Part number	Trade Price
	<b>Hydraulic connection kit (flat roof)</b> Connection kit for drainback (flat roof), includes connection to solar panel, flat roof penetration, 8.5m UV resistant insulation and solar panel temperature sensor	162038-RTX	<b>£194.00</b>
	<b>Gravity break set</b> Avoids thermal heat loss from thermal store due to thermo-siphon effect. Advised when piping from heat exchanger is not making a down ward bend at the tank	165070	<b>£8.00</b>
	<b>Solar flow setter</b> Flow regulating valve with flow indicator (2-16 l/min). For balancing solar flow in cascade thermal store installations  Note: For use only with EKHWP* only	164102-RTX	<b>£53.00</b>
	<b>Secondary circulation kit</b> Connection kit for secondary hot water connections  Note: For use with EKHWP* only	165113	<b>£79.00</b>

## Thermal Store for Daikin Altherma High and Low Temperature

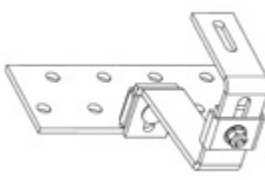
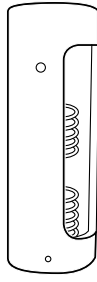
This is a hot water thermal storage tank and provides instantaneous hot water.

The tank serves as a heat storage medium. It can be heated by both Daikin Altherma heat pumps and solar energy, available for both drainback and pressurised applications.

	Description	Part number	Trade Price
	<b>Drainback Solar Thermal store (EKHWP***B) Combination with Daikin Altherma HT</b>		
	EKHWP300B with connection kit for ERSQ011-016	EKHWP300B + EKEPHT3H	<b>£1,159.00</b>
	EKHWP500B with connection kit for ERSQ011-016	EKHWP500B + EKEPHT5H	<b>£1,409.00</b>
	<b>Drainback Solar Thermal store (EKHWP***B) Combination with Daikin Altherma LT &amp; MB</b>		
	EKHWP300B with connection kit for ERLQ004-008 & EDLQ05-07 and 3kW immersion heater	EKHWP300B + EKDVCPLT3HX + EKBH3S	<b>£1,315.00</b>
	EKHWP500B with connection kit for ERLQ011-016 & E(D/B)HQ014-D16 and 3kW immersion heater	EKHWP500B + EKDVCPLT5H + EKBH3S	<b>£1,595.00</b>
	<b>Pressurised Solar Thermal store (EKHWP***PB) Combination with Daikin Altherma HT</b>		
	EKHWP300PB with connection kit for ERSQ011-016	EKHWP300PB + EKEPHT3H	<b>£1,247.00</b>
	EKHWP500PB with connection kit for ERSQ011-016	EKHWP500PB + EKEPHT5H	<b>£1,587.00</b>
	<b>Pressurised Solar Thermal store (EKHWP***PB) Combination with Daikin Altherma LT &amp; MB</b>		
	EKHWP300PB with connection kit for ERLQ004-008 & EDLQ05-07 and 3kW immersion heater	EKHWP300PB + EKDVCPLT3HX + EKBH3S	<b>£1,403.00</b>
	EKHWP500PB with connection kit for ERLQ011-016 & E(D/B)HQ014-016 and 3kW immersion heater	EKHWP500PB + EKDVCPLT5H + EKBH3S	<b>£1,773.00</b>
	Connection elbow enables easy filling and draining of the storage tank  Note: It is recommended that 165210 and 165215 are ordered with every thermal store	165210	<b>£21.00</b>
	Fill and drain connection  Note: It is recommended that 165210 and 165215 are ordered with every thermal store	165215	<b>£23.00</b>

# Solar Standalone Accessories

The standalone pressurised solar system is designed for use with auxiliary gas boiler and twin coil cylinder. Available in predefined on-roof and in-roof packs (see page 148)

	Description	Part number	Trade Price
	<b>Solar panel (vertical) – small</b> (2006 x 1006 x 85mm), aperture area 1.79m <sup>2</sup> , weight 35kg, water content 1.3 L. Max. 6 bar	EKSV21P	<b>£338.00</b>
	<b>Mounting rail for small panels</b> Consisting of mounting profile rails and securing ties  Note: Was 162013	162066	<b>£24.00</b>
	<b>4x Support hooks for high profile tiles</b> 4 double height-adjustable roof ties including fixing material for one solar panel  Note: Was EKSFIXADP	162036-RTX	<b>£69.00</b>
	<b>4x Support hooks for flat tiles (slate)</b> 4 roof ties for flat roofing, e.g. slate, for one solar panel  Note: Was EKSFIXADS	164723	<b>£40.00</b>
	<b>Pump station</b> Consisting of: Pipe connection (diameter 22mm) including pipe compression fittings and support sleeves (5x), flow regulator with 2 x KFE valves, integrated air separator, ball valves with integrated backflow preventor, Grundfos UPM3 Solar 25-75 pump, safety group with pressure gauge, including insulation and mounting accessories	EKS RDS2A	<b>£284.00</b>
	<b>Hydraulic connection kit (pressurised)</b> Connection kit for pressurised only, includes connection to solar panel, 2m UV resistant heat insulation for the external area, solar panel temperature sensor and endcaps	EKS RCP	<b>£112.00</b>
	<b>Solar controller for standalone solar</b> Wall mounted, small and compact. Easy to use solar controller with back-lit graphical illuminated display. Auxiliary heat source timer and pump speed control  Note: To control auxiliary gas boiler only	UK.SOLCTRBS4	<b>£191.00</b>
	<b>Twin coil solar cylinder</b> Unvented stainless steel cylinder. Designed for gas boiler auxiliary heating and solar hot water connections. Delivered with full G3 compliance kit including 2-port motorised valve (except expansion vessel - field supply)	FKU-HWS200TC 200L	<b>£500.00*</b>
		FKU-HWS250TC 250L	<b>£525.00*</b>
		FKU-HWS300TC 300L	<b>£570.00*</b>
















Note: Further standalone solar components are available to complete the standalone system (see pages 137-139)

\* Special offer price

## Selecting the right Solar System

Daikin has a full range of solar thermal solutions including Drainback and Pressurised solutions to suit many installation requirements. Solar systems are available to work with heat pumps or with boilers and offer enhanced DHW energy savings.

**Use the table below to help select the right kind of solar system for your Daikin heat pump or your existing boiler.**

Solar system	Drainback		Pressurised		
Auxiliary heat source	HT, LT & Hybrid Heat Pump		HT, LT & Hybrid Heat Pump	Boiler	
Tank	Thermal Store (EKHWP-B)		Thermal Store (EKHWP-PB)	Twin coil (FKU)	
Panel orientation and size	Vertical 2.6m <sup>2</sup>	Vertical 2.0m <sup>2</sup>	Vertical 2.6m <sup>2</sup>	Horizontal 2.6m <sup>2</sup>	Vertical 2.0m <sup>2</sup>
On-roof	 (page 145)	 (page 148)	 (page 146)	 (page 146)	 (page 148)
In-roof	 (page 145)	 (page 148)	 (page 147)		 (page 148)
Flat roof	 (page 145)		 (page 147)	 (page 147)	





# Selecting the right Solar Pack

Daikin offer solar systems in ready to order packs with all the key components include.

**After deciding between drainback or pressurised solar, use this table to select the right solar pack for your project.**

## Daikin Solar Thermal System

### Solar Packs – Quick Selection Table

System type	Orientation	Fixing type	Tile	Roof cowl	1 panel pack	2 panel pack	3 panel pack	4 panel pack	5 panel pack	
<b>Drainback</b>		On-roof	Profiled tile	Anthracite	UK.SP1VPDBA	UK.SP2VPDBA	UK.SP3VPDBA	UK.SP4VPDBA	UK.SP5VPDBA	
			Slate/flat tile	Anthracite	UK.SP1VSDBA	UK.SP2VSDBA	UK.SP3VSDBA	UK.SP4VSDBA	UK.SP5VSDBA	
			Profiled tile	Red	UK.SP1VPDBR	UK.SP2VPDBR	UK.SP3VPDBR	UK.SP4VPDBR	UK.SP5VPDBR	
			Slate/flat tile	Red	UK.SP1VSDBR	UK.SP2VSDBR	UK.SP3VSDBR	UK.SP4VSDBR	UK.SP5VSDBR	
	In-roof	Profiled/slate/ flat tile	-	-	UK.SP2VIDBA	UK.SP3VIDBA	UK.SP4VIDBA	UK.SP5VIDBA		
	Flat-roof	-	-	-	UK.SP1VADBA	UK.SP2VADBA	UK.SP3VADBA	UK.SP4VADBA	UK.SP5VADBA	
	<b>Pressurised</b>		On-roof	Profiled tile	-	UK.SP1VPP	UK.SP2VPP	UK.SP3VPP	-	-
Slate/flat tile				-	UK.SP1VSP	UK.SP2VSP	UK.SP3VSP			
In-roof				Profiled/slate/ flat tile	-	-	UK.SP2VIP	UK.SP3VIP		
Flat-roof			-	-	-	UK.SP1VAP	UK.SP2VAP	UK.SP3VAP		
		Horizontal	On-roof	Profiled tile	-	UK.SP1HPP	UK.SP2HPP	UK.SP3HPP		
				Slate/flat tile	-	UK.SP1HSP	UK.SP2HSP	UK.SP3HSP		
				Flat-roof	-	-	-	UK.SP1HAP	UK.SP2HAP	UK.SP3HAP
<b>Pressurised (Standalone)</b>			On-roof	Profiled tile	-	UK.V21PP1	UK.V21PP2	UK.V21PP3	-	-
				Slate/flat tile	-	UK.V21SP1	UK.V21SP2	UK.V21SP3		
			In-roof	Profiled/slate/ flat tile	-	-	UK.V21IP2	UK.V21IP3		

## Solar Packs – Drainback System for Daikin Altherma

Vertical on-roof profiled tile pack	Part number	1 panel pack	2 panel pack	3 panel pack	4 panel pack	5 panel pack
Vertical pack order reference		UK.SP1VPDBA/R	UK.SP2VPDBA/R	UK.SP3VPDBA/R	UK.SP4VPDBA/R	UK.SP5VPDBA/R
This pack contains:		Quantity	Quantity	Quantity	Quantity	Quantity
Vertical flat plate collector	EKSV26P	1	2	3	4	5
Roof brackets for concrete / profiled x 4	162036-RTX	1	2	3	4	5
Mounting rail for panel	162067	1	2	3	4	5
Hydraulic connection kit (on-roof) including cowl in either:	Anthracite / Red EKSRCAP / EKSRCRP	1	1	1	1	1
Solar controller & pump station*	EKSRRPS4A	1	1	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2	3	4
Connection cable to disable heat pump	164110-RTX	1	1	1	1	1
<b>Pack price</b>		<b>£1,084.00</b>	<b>£1,622.00</b>	<b>£2,160.00</b>	<b>£2,698.00</b>	<b>£3,236.00</b>

Vertical on-roof slate tile pack	Part number	1 panel pack	2 panel pack	3 panel pack	4 panel pack	5 panel pack
Vertical pack order reference		UK.SP1VSDBA/R	UK.SP2VSDBA/R	UK.SP3VSDBA/R	UK.SP4VSDBA/R	UK.SP5VSDBA/R
This pack contains:		Quantity	Quantity	Quantity	Quantity	Quantity
Vertical flat plate collector	EKSV26P	1	2	3	4	5
Roof brackets for slate / flat tiles x 4	164723	1	2	3	4	5
Mounting rail for panel	162067	1	2	3	4	5
Hydraulic connection kit (on-roof) including cowl in either:	Anthracite / Red EKSRCAP / EKSRCRP	1	1	1	1	1
Solar controller & pump station*	EKSRRPS4A	1	1	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2	3	4
Connection cable to disable heat pump	164110-RTX	1	1	1	1	1
<b>Pack price</b>		<b>£1,055.00</b>	<b>£1,564.00</b>	<b>£2,073.00</b>	<b>£2,582.00</b>	<b>£3,091.00</b>

Vertical in-roof pack	Part number	1 panel pack	2 panel pack	3 panel pack	4 panel pack	5 panel pack
Vertical pack order reference		-	UK.SP2VIDBA/R	UK.SP3VIDBA/R	UK.SP4VIDBA/R	UK.SP5VIDBA/R
This pack contains:		Quantity	Quantity	Quantity	Quantity	Quantity
Vertical flat plate collector	EKSV26P	-	2	3	4	5
Mounting rail for panel	162067	-	2	3	4	5
Hydraulic connection kit (in-roof)	162037-RTX	-	1	1	1	1
Solar controller & pump station*	EKSRRPS4A	-	1	1	1	1
Coupling kit for multiple panels	162016-RTX	-	1	2	3	4
In-roof kit for 2x vertical panels	162019	-	1	1	1	1
In-roof extension kit for 1x panel	162020	-	0	1	2	3
Connection cable to disable heat pump	164110-RTX	-	1	1	1	1
<b>Pack price</b>		<b>-</b>	<b>£1,686.00</b>	<b>£2,354.00</b>	<b>£3,022.00</b>	<b>£3,690.00</b>

Vertical flat roof pack	Part number	1 panel pack	2 panel pack	3 panel pack	4 panel pack	5 panel pack
Vertical pack order reference		UK.SP1VADBA/R	UK.SP2VADBA/R	UK.SP3VADBA/R	UK.SP4VADBA/R	UK.SP5VADBA/R
This pack contains:		Quantity	Quantity	Quantity	Quantity	Quantity
Vertical flat plate collector	EKSV26P	1	2	3	4	5
Mounting rail for panel	162067	1	2	3	4	5
Hydraulic connection kit (flat roof) including flat roof penetration	162038-RTX	1	1	1	1	1
Solar controller & pump station*	EKSRRPS4A	1	1	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2	3	4
Solar flat roof kit for 2xV26P	162058	1	1	1	1	1
Solar flat roof kit for additional V26P	162059	0	0	1	2	3
Connection cable to disable heat pump	164110-RTX	1	1	1	1	1
<b>Pack price</b>		<b>£1,437.00</b>	<b>£1,906.00</b>	<b>£2,527.00</b>	<b>£3,148.00</b>	<b>£3,769.00</b>

**Important:**

When installing a Daikin Altherma heat pump and Daikin drainback solar system, the following accessories need to be ordered separately:

EKHWP-B – Thermal store

EKRP1HBA – Option PCB for use with Hydrobox for alarm monitoring (Solar priority PCB), not applicable for EDLQ-CV3

EKSCON\*\*\* – Solar connection pipe

\*When installing an integrated ROTEX Gas Compact Unit and Daikin drainback solar system, order 164126 instead of EKSRRPS4A



## Solar Packs – Pressurised System for Daikin Altherma

Vertical on-roof profiled tile pack	Part number	1 panel pack	2 panel pack	3 panel pack
Vertical pack order reference		UK.SP1VPP	UK.SP2VPP	UK.SP3VPP
This pack contains:		Quantity	Quantity	Quantity
Vertical flat plate collector	EKSV26P	1	2	3
Roof brackets for concrete / profiled tiles x 4	162036-RTX	1	2	3
Mounting rail for panel	162067	1	2	3
Hydraulic connection kit	EKSRCP	1	1	1
Solar controller	162084	1	1	1
Solar pump station	EKS RDS2A	1	1	1
Flow sensor	164116	1	1	1
Solar fluid (20 litres)	162052-RTX	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2
Solar expansion vessel (25 litres)	162050	1	1	1
Connection cable to disable heat pump	164110-RTX	1	1	1
<b>Pack price</b>		<b>£1,302.00</b>	<b>£1,840.00</b>	<b>£2,378.00</b>

Vertical on-roof slate / flat tile pack	Part number	1 panel pack	2 panel pack	3 panel pack
Vertical pack order reference		UK.SP1VSP	UK.SP2VSP	UK.SP3VSP
This pack contains:		Quantity	Quantity	Quantity
Vertical flat plate collector	EKSV26P	1	2	3
Roof brackets for slate / flat tiles x 4	164723	1	2	3
Mounting rail for panel	162067	1	2	3
Hydraulic connection kit	EKSRCP	1	1	1
Solar controller	162084	1	1	1
Solar pump station	EKS RDS2A	1	1	1
Flow sensor	164116	1	1	1
Solar fluid (20 litres)	162052-RTX	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2
Solar expansion vessel (25 litres)	162050	1	1	1
Connection cable to disable heat pump	164110-RTX	1	1	1
<b>Pack price</b>		<b>£1,273.00</b>	<b>£1,782.00</b>	<b>£2,291.00</b>

Horizontal on-roof profiled tile pack	Part number	1 panel pack	2 panel pack	3 panel pack
Horizontal pack order reference		UK.SP1HPP	UK.SP2HPP	UK.SP3HPP
This pack contains:		Quantity	Quantity	Quantity
Horizontal flat plate collector	EKSH26P	1	2	3
Roof brackets for concrete / profiled tiles x 4	162036-RTX	1	2	3
Mounting rail for panel	162068	1	2	3
Hydraulic connection kit	EKSRCP	1	1	1
Solar controller	162084	1	1	1
Solar pump station	EKS RDS2A	1	1	1
Flow sensor	164116	1	1	1
Solar fluid (20 litres)	162052-RTX	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2
Solar expansion vessel (25 litres)	162050	1	1	1
Connection cable to disable heat pump	164110-RTX	1	1	1
<b>Pack price</b>		<b>£1,325.00</b>	<b>£1,886.00</b>	<b>£2,447.00</b>

Horizontal on-roof slate / flat tile pack	Part number	1 panel pack	2 panel pack	3 panel pack
Horizontal pack order reference		UK.SP1HSP	UK.SP2HSP	UK.SP3HSP
This pack contains:		Quantity	Quantity	Quantity
Horizontal flat plate collector	EKSH26P	1	2	3
Roof brackets for slate/flat tiles x 4	164723	1	2	3
Mounting rail for panel	162068	1	2	3
Hydraulic connection kit	EKSRCP	1	1	1
Solar controller	162084	1	1	1
Solar pump station	EKS RDS2A	1	1	1
Flow sensor	164116	1	1	1
Solar fluid (20 litres)	162052-RTX	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2
Solar expansion vessel (25 litres)	162050	1	1	1
Connection cable to disable heat pump	164110-RTX	1	1	1
<b>Pack price</b>		<b>£1,296.00</b>	<b>£1,828.00</b>	<b>£2,360.00</b>

**Important:**

When installing an integrated Daikin Altherma heat pump and pressurised Daikin solar thermal system, the following accessories need to be ordered separately:  
 EKHW-PB - Thermal store  
 1620\*\* – Solar pressurised pipe and connectors  
 EKR1HBA – Option PCB for use with Hydrobox for alarm monitoring (Solar priority PCB), not applicable for EDLQ-CV3



Solar Packs – Pressurised System for Daikin Altherma (Continued)

Vertical in-roof pack	Part number	2 panel pack	3 panel pack
Vertical pack order reference		UK.SP2VIP	UK.SP3VIP
This pack contains:		Quantity	Quantity
Vertical flat plate collector	EKSV26P	2	3
Mounting rail for panel	162067	2	3
Hydraulic connection kit	EKSRCPC	1	1
Solar controller	162084	1	1
Solar pump station	EKSRRDS2A	1	1
Flow sensor	164116	1	1
Solar fluid (20 Litres)	162052-RTX	1	1
Coupling kit for multiple panels	162016-RTX	1	2
In roof kit for 2 x V26P	162019	1	1
In roof extension kit for additional V26P	162020	0	1
Solar expansion vessel (25 litres)	162050	1	1
Connection cable to disable heat pump	164110-RTX	1	1
<b>Pack price</b>		<b>£1,958.00</b>	<b>£2,626.00</b>

Vertical flat roof pack	Part number	1 panel pack*	2 panel pack	3 panel pack
Vertical pack order reference		UK.SP1VAP	UK.SP2VAP	UK.SP3VAP
This pack contains:		Quantity	Quantity	Quantity
Vertical flat plate collector	EKSV26P	1	2	3
Mounting rail for panel	162067	1	2	3
Hydraulic connection kit	EKSRCPC	1	1	1
Solar controller	162084	1	1	1
Solar pump station	EKSRRDS2A	1	1	1
Flow sensor	164116	1	1	1
Solar fluid (20 Litres)	162052-RTX	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2
Solar flat roof kit for 2xV26P	162058	1	1	1
Solar flat roof kit for additional V26P	162059	0	0	1
Solar expansion vessel (25 litres)	162050	1	1	1
Connection cable to disable heat pump	164110-RTX	1	1	1
<b>Pack price</b>		<b>£1,615.00</b>	<b>£2,084.00</b>	<b>£2,705.00</b>

Horizontal flat roof pack	Part number	1 panel pack	2 panel pack	3 panel pack
Horizontal pack order reference		UK.SP1HAP	UK.SP2HAP	UK.SP3HAP
This pack contains:		Quantity	Quantity	Quantity
Horizontal flat plate collector	EKSH26P	1	2	3
Mounting rail for panel	162068	1	2	3
Hydraulic connection kit	EKSRCPC	1	1	1
Solar controller	162084	1	1	1
Solar pump station	EKSRRDS2A	1	1	1
Flow sensor	164116	1	1	1
Solar fluid (20 Litres)	162052-RTX	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2
Solar flat roof kit for H26P	162060	1	1	1
Solar flat roof kit for additional H26P	162061	0	1	2
Solar expansion vessel (25 litres)	162050	1	1	1
Connection cable to disable heat pump	164110-RTX	1	1	1
<b>Pack price</b>		<b>£1,437.00</b>	<b>£2,054.00</b>	<b>£2,671.00</b>

**\* Important:**

When ordering the **vertical** flat roof pack, please be aware the solar flat roof kit is sufficient for two vertical panels, thus some wastage will occur (the wastage is not enough to be used for another panel).

**Important:**

When installing an integrated Daikin Altherma heat pump and pressurised Daikin solar thermal system, the following accessories need to be ordered separately:

- EKHWP-PB - Thermal store
- 1620\*\* - Solar pressurised pipe and connectors
- EKRP1HBA – Option PCB for use with Hydrobox for alarm monitoring (Solar priority PCB), not applicable for EDLQ-CV3



## Solar Packs – Standalone Pressurised System for use with Auxiliary Gas Boiler

Vertical on-roof profiled tile pack	Part number	1 panel pack	2 panel pack	3 panel pack
Vertical pack order reference		UK.V21PP1	UK.V21PP2	UK.V21PP3
This pack contains:		Quantity	Quantity	Quantity
Vertical flat plate collector (small panel)	EKSV21P	1	2	3
Roof brackets for concrete / profiled tiles x 4	162036-RTX	1	2	3
Mounting rail for panel	162066	1	2	3
Hydraulic connection kit	EKSRCP	1	1	1
Solar controller (for auxiliary gas boiler)	UK.SOLCTRBS4	1	1	1
Solar pump station	EKS RDS2A	1	1	1
Solar fluid (20 litres)	162052-RTX	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2
Solar expansion vessel (25 litres)	162050	1	1	1
<b>Pack price</b>		<b>£1,144.00</b>	<b>£1,610.00</b>	<b>£2,076.00</b>

Vertical on-roof slate / flat tile pack	Part number	1 panel pack	2 panel pack	3 panel pack
Vertical pack order reference		UK.V21SP1	UK.V21SP2	UK.V21SP3
This pack contains:		Quantity	Quantity	Quantity
Vertical flat plate collector (small panel)	EKSV21P	1	2	3
Roof brackets for slate / flat tiles x 4	164723	1	2	3
Mounting rail for panel	162066	1	2	3
Hydraulic connection kit	EKSRCP	1	1	1
Solar controller (for auxiliary gas boiler)	UK.SOLCTRBS4	1	1	1
Solar pump station	EKS RDS2A	1	1	1
Solar fluid (20 litres)	162052-RTX	1	1	1
Coupling kit for multiple panels	162016-RTX	0	1	2
Solar expansion vessel (25 litres)	162050	1	1	1
<b>Pack price</b>		<b>£1,115.00</b>	<b>£1,552.00</b>	<b>£1,989.00</b>

Vertical in-roof pack	Part number	2 panel pack	3 panel pack
Vertical pack order reference		UK.V21IP2	UK.V21IP3
This pack contains:		Quantity	Quantity
Vertical flat plate collector (small panel)	EKSV21P	2	3
Mounting rail for panel	162066	2	3
Hydraulic connection kit	EKSRCP	1	1
Solar controller (for auxiliary gas boiler)	UK.SOLCTRBS4	1	1
Solar pump station	EKS RDS2A	1	1
Solar fluid (20 litres)	162052-RTX	1	1
Coupling kit for multiple panels	162016-RTX	1	2
Solar expansion vessel (25 litres)	162050	1	1
In roof kit for 2 x V21P	162017	1	1
In roof extension kit for additional V21P	162018	0	1
<b>Pack price</b>		<b>£1,898.00</b>	<b>£2,485.00</b>

**Important:**

Packs detailed above are not designed to be used with Daikin Altherma heat pumps.  
 The above packs are designed to be used with an auxiliary gas boiler and twin coil cylinder.  
 To complete the Daikin standalone pressurised solar system, please order twin coil cylinder (FKU-HWS\*\*\*TC).



ROTEX underfloor heating system is designed to work seamlessly with the Daikin Altherma range to provide high heat pump efficiency and low surface temperatures for the most comfortable room climate. When partnered with heat pumps, UFH with low flow temperatures helps to achieve high heat pump efficiencies and even higher running cost savings.

- > Energy saving and highly versatile, can be used with heat pumps and condensing boilers
- > Simple installation with easy to lay components
- > Additional energy benefits recognised in SAP and MCS
- > Rotex Monopex is ideal for low temperature systems such as heat pumps and is available in a variety of pipe sizes
- > Rotex System 70 is ideal for mixed UFH and radiator systems and commercial heating systems with primary flow temperatures 55 - 70°C

**For information** on Daikin's underfloor heating design process go to page 152.

## Underfloor Heating System

# Heat Emission Plate




Dual channel aluminium spreader plates for timber suspended or battened floor installations.  
For joists at 400mm centres. Plate dimensions 1000x390mm

	Description	Length	Part number	Trade Price
	<b>Spreader plates</b> For Ø 17mm pipe	10 (3.9m <sup>2</sup> )	171141	<b>£67.00</b>




## Underfloor Heating System

# Underfloor Heating Pipes

**Monopex heating pipes:** Thick-walled, linked basic PE-X pipe with oxygen-tight barrier for Monopex low temperature underfloor heating systems.

	Description	Length	Part number	Trade Price
	<b>Monopex 14 PE-X 14 x 2 OD</b> For Monopex underfloor heating system	120m	170008	<b>£128.00</b>
		240m	170009	<b>£255.00</b>
	<b>Monopex 14 ALU thick-walled PE-X 14 x 2 OD</b> Aluminium coating and PE external layer. For Monopex underfloor heating systems	120m	170604	<b>£181.00</b>
		240m	170605	<b>£360.00</b>
	<b>Monopex 17 PE-X 17 x 2 OD</b> For Monopex underfloor heating system	120m	170029	<b>£142.00</b>
		240m	170028	<b>£283.00</b>
		600m	170062	<b>£705.00</b>
	<b>Monopex 20 PE-X 20 x 2 OD</b> For Monopex underfloor heating system	120m	170030	<b>£163.00</b>
		240m	170109	<b>£325.00</b>
		400m	170108	<b>£540.00</b>
	<b>Protective pipe</b> Black corrugated pipe made of plastic as additional insulation in the area of the manifold and expansion joints	25m	170053 Ø 19/25mm	<b>£15.00</b>
		25m	170098 Ø 16/21mm	<b>£12.00</b>
		75m	170001 Ø 23/28mm	<b>£47.00</b>



**DUO heating pipes:** Thick-walled linked PE-X basic pipe, with oxygen-tight barrier, and additional highly flexible PE ribbed pipe.  
For underfloor heating systems operated in direct combination with other heating surfaces, e.g. radiators.

	<b>DUO 17 PE-X 17/12 x 2 OD</b> For system 70 underfloor heating & heating radiator connection	120m	170068	<b>£199.00</b>
		Outer pipe Ø 17mm Inner pipe 12 x 2mm	240m	170086
	<b>DUO 17 ALU PE-X 17/12 x 2 OD</b> With aluminium coating and PE external layer. For system 70 radiator connection and underfloor heating	120m	170601	<b>£229.00</b>
		Outer pipe Ø 17mm Inner pipe 12 x 2mm	240m	170602
	<b>DUO 25 PE-X 25/18 x 2 OD</b> For system 70 industrial underfloor heating	200m	170050	<b>£435.00</b>


## Underfloor Heating System

# Manifolds



**RMX manifold:** RMX heating circuit manifold, for underfloor heating systems and radiators. Suitable for the smallest fitting heights. Buy clamping ring sets separately to suit pipe.

	Description	Quantity per pack	Part number	Trade Price
	Manifold RMX 2-port	1	172702	£106.00
	Manifold RMX 3-port	1	172703	£124.00
	Manifold RMX 4-port	1	172704	£146.00
	Manifold RMX 5-port	1	172705	£167.00
	Manifold RMX 6-port	1	172706	£189.00
	Manifold RMX 7-port	1	172707	£211.00
	Manifold RMX 8-port	1	172708	£232.00
	Manifold RMX 9-port	1	172709	£254.00
	Manifold RMX 10-port	1	172710	£276.00
	Manifold RMX 11-port	1	172711	£296.00
	Manifold RMX 12-port	1	172712	£319.00
	<b>RMX actuator (230V)</b> Actuator for RMX manifold and kombi box	1	175145	£18.00



### Clamping ring set on RMX heating circuit manifold for flow and return per heating circuit

	RMX connection set DUO17	2	170312	£8.00
	RMX connection set Monopex 14	2	170314	£8.00
	RMX connection set Monopex 17	2	170317	£7.00
	RMX connection set DUO25	2	170318	£7.00
	RMX connection set Monopex 20	2	170320	£7.00
	RMX manifold isolating valves 1"	2	175514	£21.00




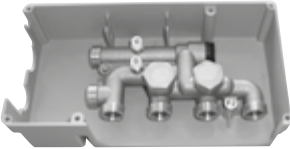
**HKV manifold:** HKV heating circuit manifold, suitable for underfloor heating and radiators, with fast mounting system.

	Description	Quantity per pack	Part number	Trade Price
	Manifold HKV 2-port	1	172502	£72.00
	Manifold HKV 3-port	1	172503	£87.00
	Manifold HKV 4-port	1	172504	£103.00
	Manifold HKV 5-port	1	172505	£116.00
	Manifold HKV 6-port	1	172506	£137.00
	Manifold HKV 7-port	1	172507	£147.00
	Manifold HKV 8-port	1	172508	£162.00
	Manifold HKV 9-port	1	172509	£176.00
	Manifold HKV 10-port	1	172510	£192.00
	Manifold HKV 11-port	1	172511	£206.00
	Manifold HKV 12-port	1	172512	£223.00
	Manifold HKV 13-port	1	172513	£237.00
	Manifold HKV 14-port	1	172514	£291.00
		<b>HKV actuator (230V)</b> Actuator for HKV manifold and kombi box	1	175110

### Clamping ring set on HKV heating circuit manifold for flow and return, per heating circuit

	HKV connection set DUO17	2	177012	£7.00
	HKV connection set Monopex 14	2	177014	£7.00
	HKV connection set Monopex 17	2	177017	£7.00
	HKV connection set DUO25	2	177018	£7.00
	HKV connection set Monopex 20	2	177020	£8.00
	<b>Connection kit for HKV2 to HKV14</b> Contains 2 x isolating valves (1"), 2 x connection pieces, 2 x filling and draining valves and 2 x temperature gauges	1	175510	£68.00

## Manifold Accessories

	Description	Quantity per pack	Part number	Trade Price
	Coupling nipple (3/4") for combination with 1703** clamping ring sets	2	177227	£8.00
	Connection nipple (3/4" PEX x 1/2" male) for combination with 1703** clamping ring sets	2	177327	£6.00
	<b>Manifold cabinet up to 7-port</b>	1	174110	£126.00
	<b>Manifold cabinet up to 10-port</b>	1	174115	£139.00
	<b>Manifold cabinet up to 14-port</b>	1	174120	£159.00
	<b>Kombi box</b> Subdivision for distribution room-by-room and controller for max. 2 underfloor heating circuits with system 70 for DUO 17 heating pipe and optionally with a radiator complete in UP case incl. cover plates, without clamping ring set and actuator	1	172415	£95.00

## Underfloor Heating (UFH) System Design Process

To prepare an accurate bill of materials and quotation for your underfloor heating project, we need to carry out a detailed UFH system design. This will take account of parameters including room heat losses, water flow temperature, floor construction, floor coverings and preferred manifold positions.

**If you require an UFH system design, please contact your sales representative or your local branch for assistance. To enable us to carry out the UFH design, you will need to submit:**











- > Autocad drawings – floor plans and elevations
- > Completed Daikin UFH design request form (available from your local branch)

Please allow up to 20 working days from submitting your drawings to receiving your quotation.

Once you have placed an order for the UFH materials, we will send you the UFH system design for your approval prior to shipping the materials.







## Insulating Strips and Installation Accessories

	Description	Quantity per pack	Part number	Trade Price
	<b>Tacker gun</b> Tacker gun for 60mm pipe staples. The tacker gun can be used to secure pipe directly to floor insulation	1	171134	<b>£200.00</b>
	<b>Pipe staples</b> 60mm pipe staples for use with tacker gun (171134) and high density insulation with DPM	300	171137	<b>£35.00</b>
	<b>Clip rail</b> 1m pieces, pipe centres 50mm	100	171224	<b>£271.00</b>
	<b>Clip rail nail KN06</b>	100	171127	<b>£27.00</b>
	<b>Edging strip</b> For cement or anhydrite screed. PE foam with welded foil, height 150mm, 8mm thick	25m	171101	<b>£16.00</b>
	<b>Edging strip</b> For free-flowing screed PE foam with welded foil, and additional sealing cord. Height 150mm, 10mm thick	25m	171126	<b>£30.00</b>
	<b>Combined pipe cutters and stripping pliers RAZ1</b>	1	171110	<b>£53.00</b>
	<b>Pipe decoiler RAW 240 for &lt;240m</b>	1	171006	<b>£525.00</b>
	<b>Pipe clips</b>	50	171117 For Ø 17-20mm	<b>£6.00</b>
			171125 For Ø 25mm	<b>£9.00</b>
	<b>Pipe bend</b> This is recommended to facilitate the bend of the pipe up-to the manifold	10	171142 For Ø 14-18mm	<b>£16.00</b>
			171143 For Ø 20-22mm	<b>£20.00</b>

Underfloor Heating System

## Underfloor Heating Room Controls Basic Range




**Note:** Cannot be combined with advanced range (see page 155)

	Description	Quantity per pack	Part number	Trade Price
	<b>RTR5 control</b> Electronic room temperature control (230V)	1	175117	<b>£21.00</b>
	<b>RTK control</b> Room temperature control with heating/cooling function	1	175125	<b>£30.00</b>
	<b>FRT wireless control</b> Wireless room temperature control	1	175120	<b>£77.00</b>
	<b>Single FRT wireless receiver</b> Receiver FEM1 for 1x FRT	1	175121	<b>£86.00</b>
	<b>Multiple FRT wireless receiver</b> Receiver FEM4 for 4x FRT	1	175122	<b>£152.00</b>

Underfloor Heating System

## Wiring Centres and Accessories Basic Range

**Note:** Cannot be combined with advanced range (see page 155)



	Description	Quantity per pack	Part number	Trade Price
	<b>Wiring box for 14x SAT</b> Wiring box 6xRTR and max 14xSAT DIN rail field supplied	1	175131	<b>£62.00</b>
	<b>Wiring box extension for 4x SAT</b> Wiring box extension for 175131. Additional 2xRTR and Max 4x SAT DIN rail field supplied	1	175132	<b>£26.00</b>
	<b>Pump module for wiring box</b> Provides on/off signal to the heat source  Note: Can only be combined with wiring box 175131. One required per UFH manifold DIN rail field supplied	1	175134	<b>£62.00</b>

## Underfloor Heating System

# Underfloor Heating Room Controls **Advanced Range**

**Modern aesthetics, easy to install and greater user comfort**

**Note:** Cannot be combined with basic range (see page 154)

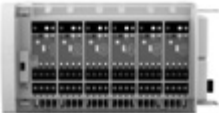





	Description	Quantity per pack	Part number	Trade Price
	<b>Room thermostat (wired)</b> - Electronic room temperature control (5V) - Adjustment range 5-26°C - Display of heating and cooling mode (red and blue LED)	1	175139	<b>£27.00</b>
	<b>Room thermostat (RF)</b> - Electronic room temperature control - Adjustment range 5-26°C - Solar powered (no batteries required) - Allow 24 hours to charge before commissioning	1	175142	<b>£128.00</b>

## Underfloor Heating System

# Wiring Centres and Accessories **Advanced Range**

**Modern aesthetics, easy to install and greater user comfort**

**Note:** Cannot be combined with basic range (see page 154)

	Description	Quantity per pack	Part number	Trade Price
	<b>Wiring centre</b> - 6 channels - 4 actuators (230 V) per channel - Automatic heating/cooling switchover DIN rail field supplied	1	175140	<b>£121.00</b>
	<b>Wiring centre</b> - 2 channels - 4 actuators (230 V) per channel - Automatic heating/cooling switchover DIN rail field supplied	1	175141	<b>£60.00</b>
	<b>Wiring centre (RF)</b> - 6 channels - 4 actuators (230 V) per channel - Automatic heating/cooling switchover - Including antenna for wireless communication DIN rail field supplied	1	175143	<b>£227.00</b>
	<b>Wiring centre (RF)</b> - 2 channels - 4 actuators (230 V) per channel - Automatic heating/cooling switchover - Including antenna for wireless communication DIN rail field supplied	1	175144	<b>£151.00</b>
	<b>Wiring centre power module</b> To supply power to the wiring centres, including: - Pump input/output for heating and cooling DIN rail field supplied	1	175137	<b>£113.00</b>
	<b>Wiring centre clock module</b> - Removable clock module - 2 setback timers for heating circuits  Note: To be combined with the wiring centre power module	1	175138	<b>£60.00</b>

## Heat Pump Convectors



Heat pump convectors can provide both heating and cooling if required and can be used with the Daikin Altherma heat pump to offer a compact and highly efficient solution:

- > Designed to operate at low flow temperature (35°C) to optimise the efficiency of an air-to-water heat pump
- > Quiet operation and no draughts
- > Able to heat and cool
- > Available in 1.5 and 2kW

# Daikin Heat Pump Convectors



Indoor Unit				FWXV15A	FWXV20A
Description				Cased, low wall mount type, 2-pipe*	
Must be ordered with:				EKVKHPC	EKVKHPC
Combined Trade Unit Price				£491.00	£528.00
Heating capacity	Total capacity	Nom.	kW	1.5	2.0
Cooling capacity	Total capacity	Nom.	kW	1.2	1.7
	Sensible capacity	Nom.	kW	0.98	1.4
Power input	Heating	Nom.	kW	0.013	0.015
	Cooling	Nom.	kW	0.013	0.015
Dimensions	Height x Width x Depth		mm	600 x 700 x 210	
Weight			kg	15	
Piping connections	Drain/OD/Inlet/Outlet		mm/inch	18/G 1/2/G 1/2	
Sound pressure level	Heating	Nom.	dB(A)	19	29
	Cooling	Nom.	dB(A)	19	29
Power supply	Phase/Frequency/Voltage		Hz/V	1-phase / 230V / 50Hz	

Nominal capacity based on following conditions:

Heating: indoor temp, 20°CDB; entering water temp. 45°C, water temperature drop 5°C.

Cooling: Indoor temp. 27°CDB; entering water temp. 7°C, water temperature rise 5°C.

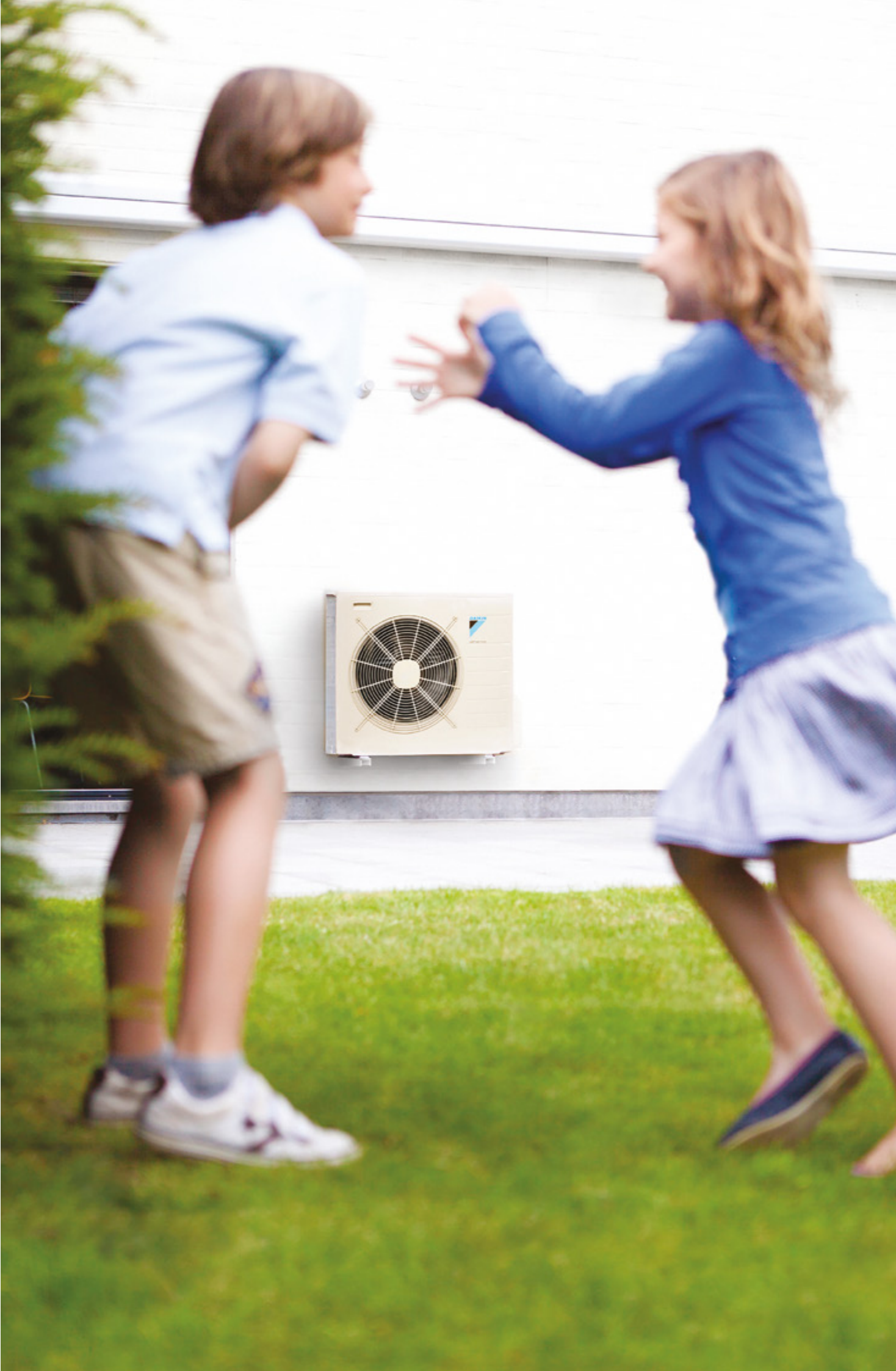
## Features:

- > The highly efficient, low noise Daikin heat pump convectors is designed to provide the maximum comfort and high efficiency in combination with Daikin Altherma heat pumps
- > The heat pump convectors improves system efficiency compared to a combined under floor heating and radiator system and to a fan coil heating system
- > The Daikin heat pump convectors has been designed to work effectively at low temperatures, while retaining a compact size compared to an equivalent output radiator sized for 45°C
- > The heat pump convectors can easily replace existing heat emitters
- > The unit is very quiet in operation and is ideal for bedroom applications
- > The unit has a quiet operation mode which can be selected using the remote controller
- > The sound levels are as low as 18dB(A) on 2kW system and 12dB(A) on 1.5kW system on the quiet mode
- > Daikin heat pump convectors offer a solution combined with UFH systems to provide heat in areas where UFH is difficult to integrate
- > It is designed to support heating only and heating / cooling applications
- > When combined with Daikin Altherma outdoor units, the heat pump convectors can be linked together for total system control, additional comfort and increased efficiency
- > Additional third party controls are needed to link simple fan coil systems with Daikin Altherma heat pumps
- > Delivered with individual controller and with 2-way valve
- > Drain pan is included

## Notes:

- i) \* Please note that EKVKHPC (2 way valve) needs to be ordered as a separate item, but price shown includes the value of this part







# Daikin UK Price List 2016

## Refrigeration

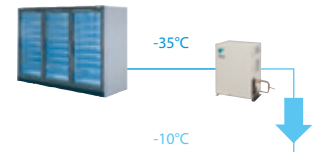
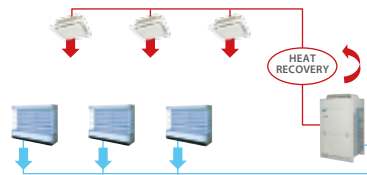
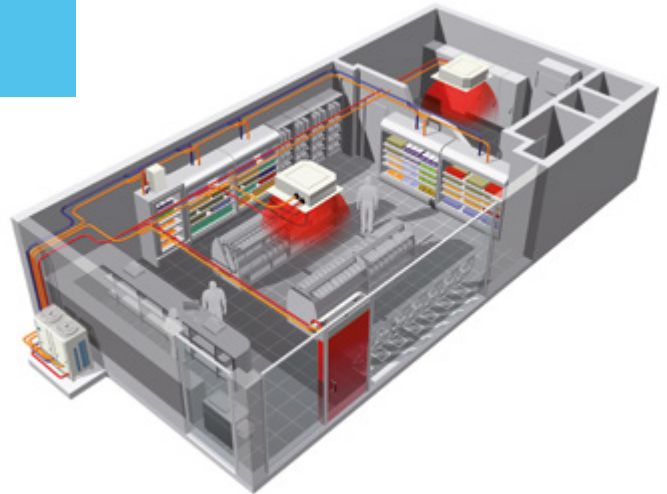
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# Conveni-Pack (CVP)

Conveni-Pack is a compact, low noise system which integrates high and low temperature refrigeration along with heating and cooling into one system. It's a total solution that helps retailers save energy and reduce their environmental impact.

## Benefits

- > **Optimum efficiency:** inverter driven outdoor units match system output to the actual demand in order to reach optimum efficiency under all conditions
- > **Connection flexibility:** supports a wide range of refrigeration and cooling cases
- > **Save energy:** by recovering the heat extracted from the connected refrigeration appliances and using sophisticated controls, energy savings of up to 50% can be reached compared with conventional 3P systems
- > **Small footprint:** along with reduced piping makes the compact Conveni-Pack ideal for densely populated urban areas
- > **Flexible:** VRV (Variable Refrigerant Volume) technology for flexible application range. Full range of VRV fan coils available together with air curtains
- > **Minimal noise:** lowest operating sound level including night set back function



Medium temperature refrigeration & air conditioning				LRYEQ16AY1	
Cooling capacity	Air conditioning	Nom.	kW	14.0	
	Refrigeration (1)	Nom.	kW	21.8	
Heating capacity (2)	Air conditioning	Nom.	kW	27.0	
	Refrigeration (2)	Nom.	kW	21.8	
Dimensions	Height x Width x Depth		mm	1,680 x 1,240 x 765	
Weight				kg	370
Heat exchanger	Type			Cross fin coil	
	Fan			Propeller fan	
Fan	Quantity			2	
	Air flow rate	Cooling	Nom.	m <sup>3</sup> /sec	3.833
Fan motor	Output			W	750
	Drive			Direct drive	
Sound pressure	Nom. at 10m free field		dBA	42	
Compressor	N° of compressors			3	
	Type			Hermetically sealed scroll compressor	
Piston displacement	m <sup>3</sup> /h			13.34 / 10.53 / 10.53	
	Speed			rpm	6,300 / 2,900 / 2,900
Output	W			2,500 / 3,600 / 4,500	
	Starting method			Direct on line (inverter driven)	
Frequency ON/OFF			Less than 6 times/hour		
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-20 @ 0~10
	Refrigerant			Type	R-410A
Charge	kg			11.5	
	Control			Electronic expansion valve	
Refrigerant oil	Type			Daphne FVC68D	
	Charged volume			l	
Piping connections	Refrigeration	Liquid	50m or less	inch (mm)	3/8 (9.5)
			50~130m	inch (mm)	1/2 (12.70)
	Gas	50m or less	inch (mm)	1 1/8 (28.60)	
			50~130m	inch (mm)	1 3/8 (34.90)
Power supply	Phase / Frequency / Voltage		Hz / V	3~ / 50 / 380-415	
Voltage range	Min.			%	-10
	Max.			%	10
<b>Trade Price</b>				<b>£14,015.00</b>	

(1) Cooling priority mode: evaporating temp. -10°C; outdoor temp. 32°CDB; suction SH 10°C

(2) Heat recovery 100% mode: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; refrigeration load 18kW; piping length: 7.5m; level difference: 0m

(\*1) Compressor 1

(\*2) Compressor 2

(\*3) Compressor 3

(\*4) Factory charge of unit

# Indoor Units and Biddle Air Curtains for Connection to Conveni-Pack




To respond to all shop requirements for comfort cooling and heating, a wide range of AC indoor units and Biddle air curtains is available.

Capacity class (kW)

Model	Product name		50	63	71	80	100	125	140	200	250	See VRV Section
Cooling capacity (kW) <sup>1</sup>			5.6	7.1	9.0	9.0	11.2	14.0	16.0	22.4	28.0	
Heating capacity (kW) <sup>2</sup>			6.3	8.0	8.0	10.0	12.5	16.0	18.0	25.0	31.5	
Roundflow cassette	FXFQ-A 		•	•		•	•	•				Page 56
2-way blow ceiling mounted cassette	FXCQ-A 		•	•		•		•				Page 57
1-way blow corner cassette	FXKQ-MA 			•								Page 57
Concealed ceiling unit (medium static)	FXSQ-A 		•	•		•	•	•				Page 58
Concealed ceiling unit (high static)	FXMQ-P7 		•	•		•	•	•				Page 58
Concealed ceiling unit (ultra high static)	FXMQ-MB 									•	•	Page 60
Ceiling suspended unit	FXHQ-A 			•			•					Page 61
Under ceiling cassette unit	FXUQ-A 				•		•					Page 61
Floor mounted cased	FXLQ-P 		•	•								Page 62
Concealed floor standing unit	FXNQ-A 		•	•								Page 62

Please see Fan Coils on pages 56 to 62 for full product details and prices.

Capacity class (kW)

Model	Product Name		80	100	125	140	200	250	See VRV Section
Heating capacity (kW) <sup>2</sup>			7.4 - 11.0	11.6 - 13.4	15.6	16.2 - 19.9	23.3	29.4 - 31.1	
Biddle air curtain free hanging	CYVS-DK 		•	•	•	•	•	•	Pages 66 & 67
Biddle air curtain cassette	CYVM-DK 		•	•	•	•	•	•	Pages 66 & 67
Biddle air curtain recessed	CYVL-DK 		•	•	•	•	•	•	Pages 66 & 67

<sup>1</sup> Nominal cooling capacities are based on: indoor temperature: 27°CDB / 19°CWB, outdoor temperature: 35°CDB, piping length: 7.5m, level difference: 0m

<sup>2</sup> Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB / 6°CWB, piping length: 7.5m, level difference: 0m

<sup>3</sup> Optional

# Booster Unit

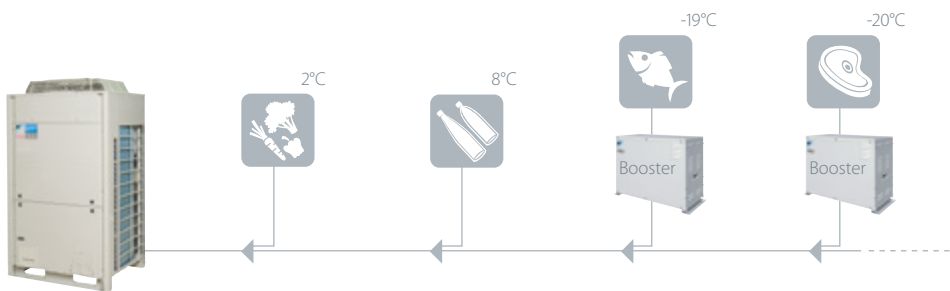
## Benefits

- > A booster unit allows the connection of freezer showcases/ rooms to ZEAS and Conveni-Pack outdoor units
- > Reduced piping requirements, from 4 to 2 pipes, compared with a conventional system
- > Low sound mode reduces sound emissions significantly



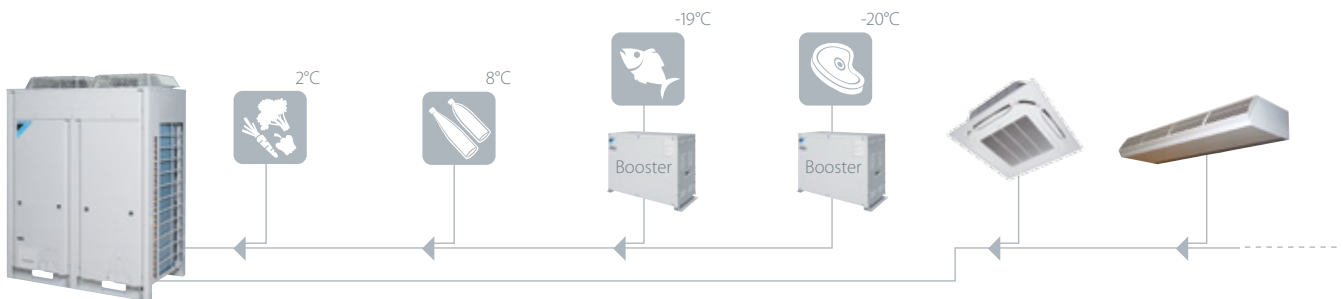
## Booster with ZEAS:

MEDIUM + LOW TEMPERATURE refrigeration



## Booster with Conveni-Pack:

MEDIUM + LOW TEMPERATURE refrigeration + space air conditioning + Biddle air curtain



Low Temperature Refrigeration				LCBKQ3AV19	
Refrigeration capacity	Nom.		kW	3.35	
Dimensions	Unit	Height	mm	480	
		Width	mm	680	
		Depth	mm	310	
		Weight	Unit	kg	47
Compressor	Type	Hermetically sealed swing compressor			
	Piston displacement		m <sup>3</sup> /h	10.16	
	Number of revolutions		rpm	6,540	
	Output		W	1,300	
	Starting method	Direct on line (inverter driven)			
	Frequency ON/OFF	Less than 6 times/hour			
Fan	Type	Propeller fan			
	Air flow rate	Cooling	Nom.	m <sup>3</sup> /min	
Operation range	Evaporator	Cooling	Min.-Max.	°CDB	
	Ambient temperature	Min.-Max.	°C		
Refrigerant	Type	R-410A			
	Control	Electronic expansion valve			
Refrigerant oil	Type	Daphne FVC50K + FVC68D			
	Charged volume	l			
Piping connections	Piping length	System	Booster unit - IU	30m or less	
	Power supply	Phase/Frequency/Voltage	Hz/V		
Trade Price				<b>£2,773.00</b>	

(1) Evaporating temp. -35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C

(2) Its functioning relies on fluorinated greenhouse gases

# ZEAS Condensing Units

When you select a refrigeration condensing unit, you want premium performance with simple installation and maintenance. That's why you should specify Daikin ZEAS condensing units.



## A complete solution for refrigeration applications

Compact yet powerful and extremely energy efficient, Daikin ZEAS condensing units offer an industry-leading solution for all kinds of installation projects.

ZEAS is an adaptable and controllable solution for all kinds of environments with fluctuating loads such as supermarkets, hotels, restaurants, hospitals and florists, as well as food production facilities such as cold storage, and blast coolers and freezers.

Delivering all the benefits of inverter controlled VRV technology for commercial refrigeration systems, ZEAS offers a comprehensive product range suitable for low temperature applications of 5.4 to 15.1 kW at -35/+32°C and medium temperature applications of 12.2 to 37.0 kW at -10°C /+32°C.

Its small footprint and low sound levels offer installation flexibility, so you can gain larger capacities even in small spaces. What's more, the ZEAS solution comes fully packaged and

programmed, with minimal pipe work required, so installation time and cost is reduced. Plus you can depend on Daikin's dedicated after-sales support to help ensure that commissioning and maintenance go without a hitch.

All in all, it's a quality solution that delivers maximum refrigeration capacity with minimal fuss.

### ZEAS condensing units offer:

- > Compact 2P system with reduced piping lengths
- > Higher refrigeration capacity to power consumption ratio compared with standard systems
- > COP of up to 3.0
- > Energy efficient inverter control minimises CO<sub>2</sub> emissions
- > Utilises energy efficient R-410A refrigerant

MT or LT refrigeration condensing unit				LREQ5BY1	LREQ6BY1	LREQ8BY1	LREQ10BY1	LREQ12BY1	LREQ15BY1	LREQ20BY1	
Refrigeration capacity	Medium temperature	Nom.	kW	12.5	15.2	19.8	23.8	26.5	33.9	37.9	
	Low temperature	Nom.	kW	5.51	6.51	8.33	10.0	10.7	13.9	15.4	
Dimensions	Unit	Height x Width x Depth		1,680 x 635 x 765			1,680 x 930 x 765		1,680 x 1,240 x 765		
Weight	Unit			166			242		331		
Heat exchanger	Type			Cross fin coil							
Fan	Type			Propeller fan							
	Quantity			1				2			
Fan motor	Air flow rate	Cooling	Nom.	m <sup>3</sup> /sec	1.583	1.700	2.850	2.983	3.183	3.933	4.000
	Output			kW	0.35			0.75		0.35 + 0.35	
Sound pressure	Nom. at 10m free field			dBA	35.0	36.0	37.0	39.0	41.0	42.0	43.0
	Compressor			Type	Hermetically sealed scroll compressor						
Operation range	Piston displacement			m <sup>3</sup> /h	11.18	13.85	19.68	23.36	25.27	32.24	35.8
	Speed			rpm	5,280	6,540	4,320+2,900	6,060+2,900	6,960+2,900	5,280+2,900+2,900	6,960+2,900+2,900
	Output			kW	2.6	3.2	2.1 + 3.6	3.0 + 3.6	3.4 + 3.6	2.6 + 3.6 + 3.6	3.4 + 3.6 + 3.6
	Starting method				Direct on line (inverter driven)						
Refrigerant	Evaporator	Min.~Max.	°CDB		-45~-10						
	Ambient temp.	Min.~Max.	°C		-20~43						
Refrigerant oil	Type				R-410A						
	Charge			kg	5.2			7.9		11.5	
Refrigerant oil	Control				Electronic expansion valve						
	Type				Daphne FVC68D						
Piping connections	Charged volume			l	1.7 / 2.5	1.7 / 2.5	1.7 / 2.1 / 3.0	1.7 / 2.1 / 3.0	1.7 / 2.1 / 3.0	1.7 / 2.1 / 4.0	1.7 / 2.1 / 4.0
	Liquid	50m or less	inch (mm)		3/8 (9.5)			1/2 (12.70)		1/2 (12.70)	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415						
	Voltage range	Min.	%		-10						
Current	Max.			%	10						
	Nominal running current (RLA) - 50Hz	Compressor	Cooling	A	7.1	9.2	5.3 + 7.5	7.4 + 7.9	9.8 + 8.3	7.0 + 8.2 + 8.2	9.5 + 8.4 + 8.4
Current - 50Hz	Starting current (MSC)			A	-			74		75	
	Minimum Ssc value			kVa	-			655		899	
	Minimum circuit amps (MCA)			A	12.8	13.7	19.3	22.0	24.0	31.4	35.0
	Maximum fuse amps (MFA)			A	15			25		40	
	Total overcurrent amps (TOCA)			A	15.6			31.5		48.3	
	Full load amps (FLA)	Fan motor			A	0.4			0.9		0.4 + 0.4
<b>Trade Price</b>					<b>£5,921.00</b>	<b>£7,360.00</b>	<b>£8,855.00</b>	<b>£10,850.00</b>	<b>£11,570.00</b>	<b>£16,531.00</b>	<b>£18,766.00</b>

\*Operation conditions of outdoor unit: Te = -10°C, outdoor temperature +32°C, suction SH10°C

## Multi-ZEAS Condensing Units

The Multi-ZEAS units deliver the higher capacities required for larger supermarkets, food storage and processing plants, while reducing energy consumption by 35%, compared with traditional refrigeration systems.



Multi-ZEAS provides a superior solution to the traditional rack systems typically used for bigger capacities, because the units can be connected easily – in master and slave combination – so installation piping is reduced and installation time is much quicker. The new high capacity Multi-ZEAS consists of two 15hp units or two 20hp units. This system offers the perfect solution for multiple refrigeration needs in supermarkets and for applications with fluctuating loads and high energy efficiency requirements, such as blast coolers and freezers, cold storage, food outlets and restaurants.

ZEAS condensing units are far quieter than traditional units, because inverter control keeps fan speeds low while still meeting cooling demand. At night maximum fan speeds can be lowered to reduce noise, with only a limited loss of refrigeration capacity. The 'plug and play' units come fully equipped and do not need to be installed in a plant room, so retail space is maximised. All ZEAS units have optimised controls, which can communicate with a third party monitoring system or building management system via Daikin's powerful Modbus interface. Servicing and maintenance is also simple.

MT or LT refrigeration condensing unit					LREQ30BY1		LREQ40BY1	
System					LREQ15BY1R x 2		LREQ20BY1R x 2	
Refrigeration capacity	Medium temperature		Nom.	kW	67.8		75.8	
	Low temperature		Nom.	kW	27.8		29.6	
Dimensions	Unit	Height x Width x Depth		mm	(1,680 x 1,240 x 765) x 2		(1,680 x 1,240 x 765) x 2	
Weight	Unit			kg	331 x 2		337 x 2	
Heat exchanger	Type	Cross fin coil						
Compressor	Type	Hermetically sealed scroll compressor						
	Piston displacement			m <sup>3</sup> /h	32.24 x 2		35.80 x 2	
	Speed			rpm	(5,280+2,900+2,900) x 2		(6,960+2,900+2,900) x 2	
	Output			W	(2.6+3.6+3.6) x 2		-	
	Starting method	Direct online (inverter driven)						
Fan	Type	Propeller fan						
	Quantity				2 x 2		2 x 2	
	Air flow rate	Cooling	Nom.	m <sup>3</sup> /sec	3.833 x 2		4.000 x 2	
Fan motor	Output			W	(350 x 2) x 2		(750 x 2) x 2	
	Drive	Direct drive						
Sound pressure level			Nom. at 10m free field	dBA	45.0		46.0	
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-45~-10			
	Ambient temperature		Min.~Max.	°C	-20~-43			
Refrigerant	Type	R-410A						
	Charge			kg	11.5 x 2			
	Control	Electronic expansion valve						
Refrigerant oil	Type	Daphne FVC68D						
	Charged volume			l	(1.7+ 2.1+2.1+ 4.0) x 2			
Piping connections	Liquid	50m or less						
		50~130m					3/4 (19.05)	
	Gas	50m or less						
	50~130m					1 5/8 (41.28)		
Power supply	Phase/Frequency/Voltage				3~/50/380~415			
Current	Nominal running current (RLA) - 50Hz				(7.0/8.2/8.2) x 2		(9.5/8.4/8.4) x 2	
Current - 50Hz	Starting current (MSC)				109		115	
<b>Trade Price</b>					<b>£32,814.00</b>		<b>£37,284.00</b>	



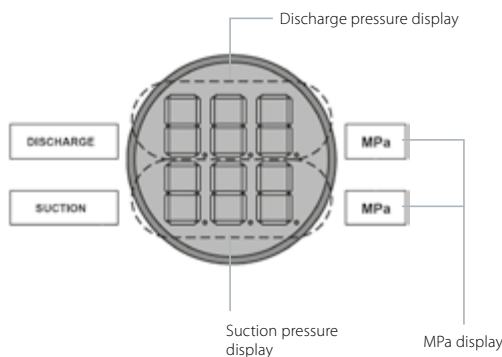
# Accessories for ZEAS and Conveni-Pack

## BHGP26A1

### Digital pressure gauge kit

The digital measurement display allows you to diagnose a unit at a glance and it can be used with all ZEAS units and Conveni-Pack systems.

- > Digital measurement display for fixed installation or service applications
- > Displays high and low pressure
- > Displays error codes in the event of a fault
- > Displays up to 32 operating parameters
- > Displays error code history (last three)
- > Scrolls and stores output values
- > Automatically returns to normal operating display mode



BHGP26A1

Part No	Description	Trade Price
BHGP26A1	Digital pressure gauge	£320.00

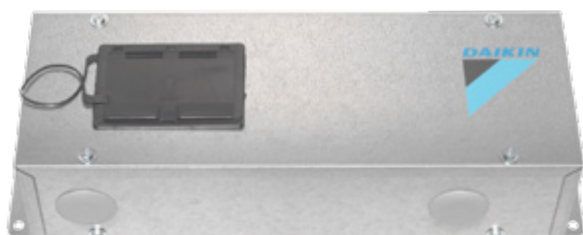
## BRR9A1V1

### Modbus communication kit

The Daikin Modbus Communication Interface lets you fully integrate Daikin ZEAS and Daikin Conveni-Pack systems with building control automation networks and other monitoring systems.

The interface allows you to read all the operational parameters and control important values using the Modbus protocol. This unifying component transforms ZEAS and Conveni-Pack into a transparent, customisable refrigeration unit and means that you can create object-specific and energy-optimised shop concepts, including remote monitoring application.

Pro-interfaces can be used to connect up to 32 ZEAS units, and are also suitable for use with Conveni-Pack systems and the Booster.



BRR9A1V1

### Control values

- > Target evaporation temperature
- > Low pressure level for on and off points
- > Forced stop
- > Error messages can be cancelled remotely

### Display values

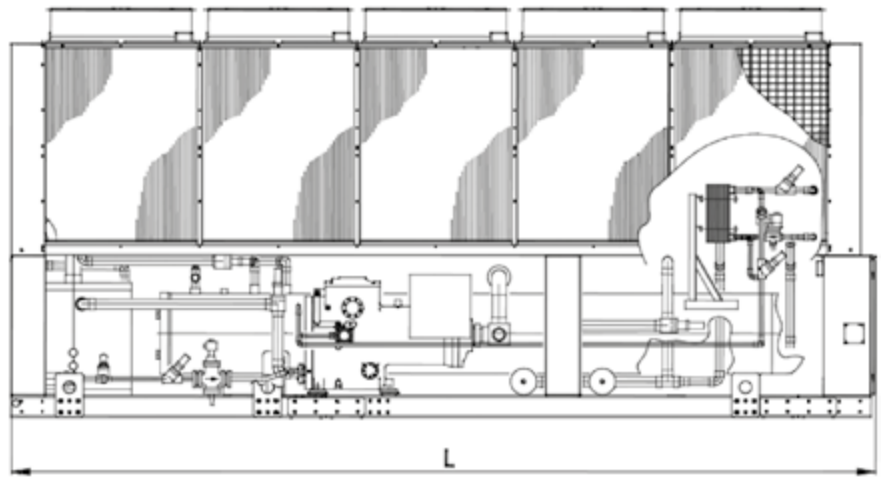
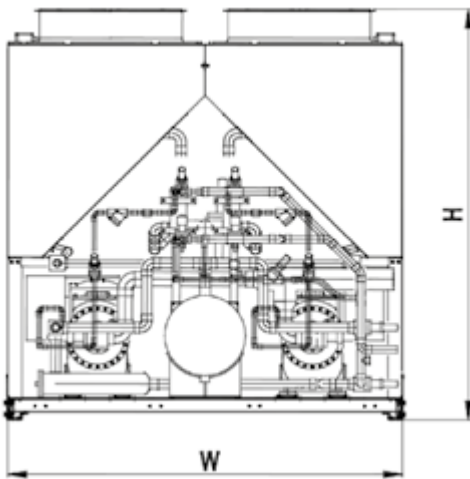
- > Model information and operating status
- > Refrigerant operating pressure and temperatures
- > Electrical operating data and temperatures for components
- > Target values
- > Fan stage and compressor frequency, operating hours
- > Warning and error messages as well as system safety functions

Part No	Description	Trade Price
BRR9A1V1	Modbus communication unit	£824.00

# Industrial Condensing Units with Screw Compressor

## Condensing unit for industrial refrigeration

- > High energy efficiency: inverter controlled compressor, economiser, high performance condenser
- > Possibility of having a stand-by compressor
- > Easy installation, ready to connect evaporators
- > Integrated starter and control panel with electronic controller
- > Space saving construction due to the compact design of the condenser coils arranged in a 'W' configuration
- > Low sound operation
- > Approved according to EN 378: 2008 (Safety and environmental requirements)
- > Refrigerants: R-404A, R-134a, R-407C, R-507A



### Optional

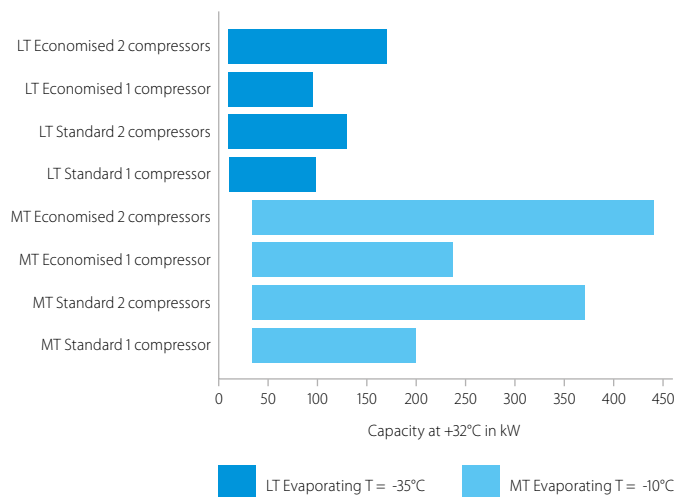
- > Variable speed inverter technology
- > Variable condenser fan speed
- > Economiser (sub cooler)
- > Optional standby compressor on single compressor systems
- > Low sound level unit with sound pressure level 64 dBA at 10 metres. Sound reduction kits can be supplied with lower sound level up to 52 dBA at maximum capacity

### Applications

- > Cold stores
- > Blast chillers
- > Blast freezers
- > Food processing
- > Food distribution centres
- > Large supermarkets

	Length	Width	Height	Weight
	mm	mm	mm	kg
From	2,240	2,235	2,340	2,405
To	4,940	2,235	2,340	4,496

### Performance overview



Part No	Description	Trade Price
HSH/M/L 31 - HA	Industrial condensing unit	POA

# Daikin UK Price List 2016

## Applied

Daikin Chillers and Condensing Units	168
Daikin Fan Coil Units	176
Daikin Modular Air Handling Units	186

Save energy with Daikin 'Total Inverter Solutions'



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**Western  
Region**  
0845 641 9320

**North  
London**  
0845 641 9360

**South  
London**  
0845 641 9355

# Daikin Chillers



Whatever your needs in climate control or process chilling, there is a system that has proved its value in many situations – from factories and warehouses to hotels and department stores, and even district cooling for residential applications.

Daikin's ranges of air-cooled and water-cooled chillers are designed to suit every application – large or small – offering the ultimate in flexibility and control. The unique combination of advanced technology, experience and reliability make Daikin chillers the ideal choice.

Daikin chillers have nominal cooling capacities of 5kW to 2,000kW (air-cooled) or 13kW to 2,156kW (water-cooled).

## Worldwide experience

A global leader in HVAC solutions, Daikin has the world's most advanced facilities for air conditioning research and development, meaning that we can manufacture all main chiller components (compressors, fans, condenser coils, software) in-house.

## Highest efficiency

Using the latest technology, Daikin achieves industry-leading efficiency and energy-saving operation for outstanding cost saving performance.

- > Lowest total cost of ownership
- > Fast payback time
- > Environment-friendly solutions

## Quality, reliability

- > Zero defect policy ensures quality of components and finished products
- > All chillers factory run and subjected to quality audit before shipment
- > Eurovent and AHRI certification



# High Efficiency Inverter Chiller Ranges



High efficiency inverter chiller ranges for comfort and process cooling / heating.



## Why break from tradition?

- > Seasonal efficiency
- > Seasonal quietness
- > Low starting currents
- > Flexibility for new build or replacement projects

### Benefits for the installer

- > Factory leak-tested and pre-charged
- > High serviceability
- > User-friendly smart controls which can be integrated easily with building management systems

### Benefits for the consultant

- > Multiple options available, e.g. rapid restart, variable speed water pumps, smart energy meter, EC fans
- > Ideal for both new and retrofit projects: same footprints of non-inverter unit with higher efficiencies and performance

### Benefits for the end user

- > Rapid payback of three years for comfort cooling applications
- > 50% reduction of energy consumption
- > Designed for sound-sensitive environments

### High efficiencies both at full load and part load

- > Daikin compressor with in-built inverter and Variable Volume Ratio (VVR) for optimised efficiency
- > In-house developed software with dynamic condensing pressure management and innovative economiser control logic

### Rapid return on investment

- > Payback of three years, compared to a non-inverter unit for comfort cooling applications
- > Less than one year a for process cooling applications






















### Perfect comfort level

- > Infinitely variable load regulation
- > Precise leaving water temperature control thanks to stepless regulation

### Compact design

- > More compact heat exchanger with superior efficiencies
- > Reduced electrical panel dimensions thanks to the inverter compressor mounted.

# Air Cooled Chillers and Condensing Units

	Refrigerant type *	Refrigerant circuits	Inverter	Free cooling	Compressor			Water heat exchanger		Efficiency version				Sound version				
					Swing	Scroll	Screw	Plate **	Single pass shell and tube	Standard	High	Premium	High ambient	Standard	Low	Reduced	Extra low	
<b>Cooling only</b>																		
	EWAQ~ADVP		R-410A	1	●		●		●	BPHE	●				●			
	EWAQ~ACV3/ACW1		R-410A	1	●			●	●	BPHE	●				●			
	EWAQ~BA*		R-410A	1	●			●	●	BPHE	●				●			
POA	EWAQ~G- <b>NEW</b>		R-410A	1				●	●	BPHE	●	●			●		●	
	EWAQ~E-		R-410A	1				●		●	●				●	●	●	
	EWAQ~F-		R-410A	2				●		●	●	●			●	●	●	
	EWAQ~GZ		R-410A	1-2	●			●		●	●				●		●	
	EWAD~E-		R-134a	1					●	●	●				●	●		
	EWAD~D-		R-134a	2					●	●	●	●	●		●	●	●	●
	EWAD~C-		R-134a	2-3					●	●	●	●	●		●	●	●	
	EWAD~CZ		R-134a	2-3	●				●	●	●	●			●	●	●	
	EWAD~CF		R-134a	2		●			●	●	●	●			●	●	●	
	EWAD~TZ		R-134a	1-2	●				●	●	●	●			●		●	
	<b>Heat pump</b>																	
		EWYQ~ADVP		R-410A	1	●		●		●	BPHE	●				●		
	EWYQ~ACV3/ACW1		R-410A	1	●			●	●	BPHE	●				●			
	EWYQ~BA*		R-410A	1	●			●	●	BPHE	●				●			
	SEHVX-AAW SERHQ-AAW1		R-410A	1	●			●	●	BPHE	●				●			
POA	EWYQ~G- <b>NEW</b>		R-410A	1				●	●	BPHE	●	●			●		●	
	EWYQ~F-		R-410A	1-2				●		●	●				●	●	●	
	EWYD~BZ		R-134a	2-3	●				●	●	●				●	●		
<b>Condensing unit</b>																		
	ERAD~E-		R-134a	1				●		●	●				●	●		

\* (GWP) : R-410A (2087.5), R-134a (1430)

\*\* BPHE: Brazed plate heat exchanger

\*\*\* Mandatory commissioning by Daikin Airconditioning UK



## Mini chillers

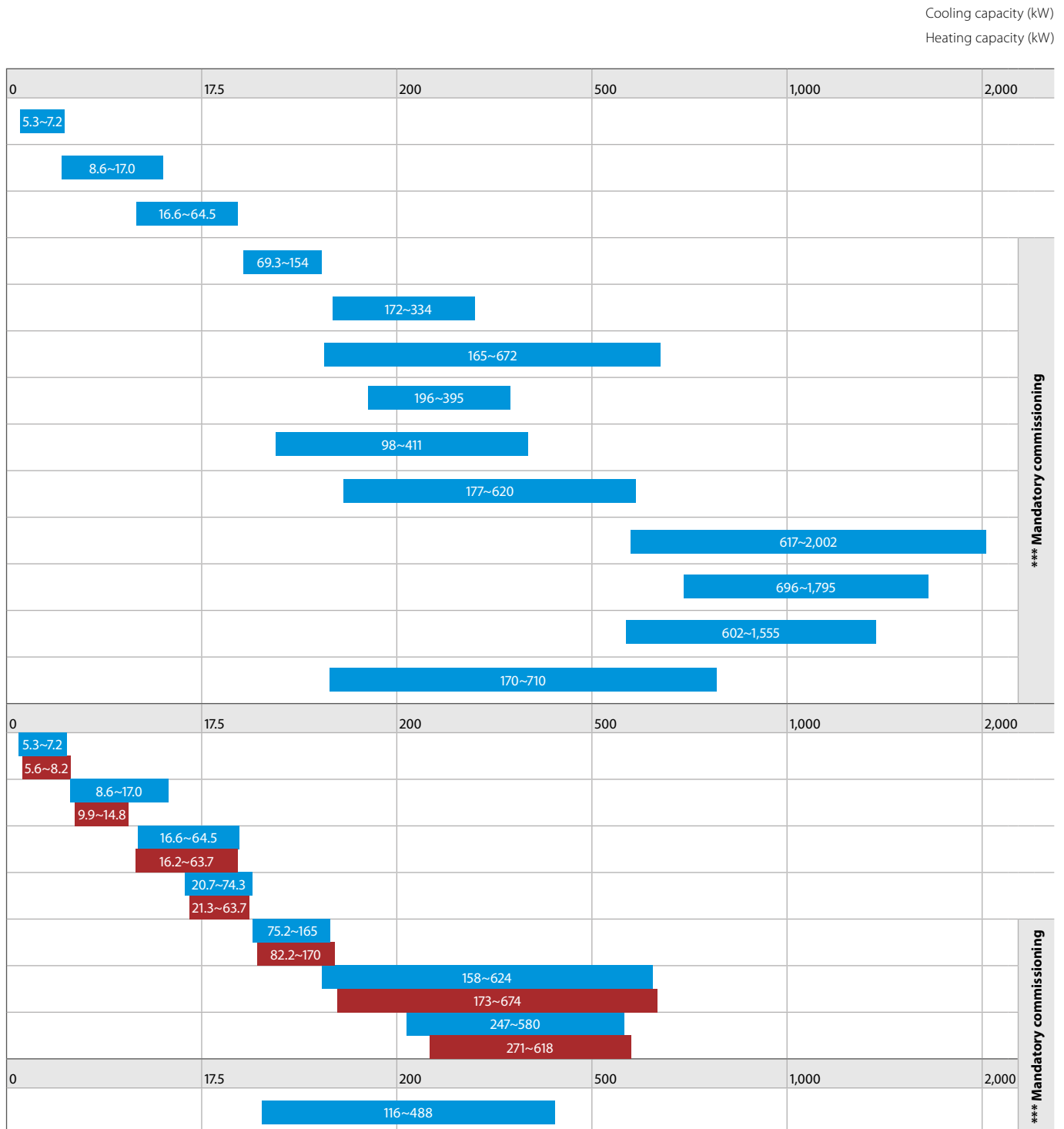
Ideal for residential or light commercial applications, Daikin mini chillers are equipped with an inverter swing or scroll compressor allowing a smooth, more reliable and energy-efficient operation with low noise levels and class-leading ESEERs.

## Air cooled screw chillers

Manufactured for large capacities, Daikin screw chillers deliver unparalleled reliability and efficiency, both for comfort and process cooling. Equipped with an inverter they provide high efficiency at part load.





















## Air cooled scroll chillers

Daikin scroll chillers are designed for small and medium cooling and heating capacities. Our wide range of models matches every building's air conditioning and process cooling needs.



Please contact your local sales office for further information on these products and extensive option flexibility – download info from [daikin.co.uk](http://daikin.co.uk)

# Water Cooled and Condenserless Chillers

	Refrigerant type *	Refrigerant circuits	Inverter 	Compressor			Water heat exchanger		Efficiency version		Sound version
				Scroll 	Screw 	Centrifugal 	Plate **	Single pass shell and tube	Standard	High	Standard
<b>Water cooled chillers (Cooling only &amp; Heating only)</b>											
	EWWP~KBW1N 	R-407C	1-2-4-6		●				●		●
POA	EWHQ~G- <b>NEW</b> 	R-410A	1		●			●			
	EWWQ~G- <b>NEW</b> 	R-410A	1		●			●	●		●
	EWWQ~L- <b>NEW</b> 	R-410A	2		●			●	●		●
	EWWD~J- 	R-134a	1-2			●		●	●		●
	EWWD~G- 	R-134a	1-2			●		●	●	●	●
	EWWD~I- 	R-134a	1-2-3			●		●	●	●	●
	EWWD~H- 	R-134a	1			●		●	Flooded	●	●
	<b>Water cooled chillers (Cooling only)</b>										
POA	EWWQ~B- 	R-410A	1-2			●		●	●	●	●
<b>Condenserless chillers</b>											
	EWLP~KBW1N 	R-407C	1-2		●			●	BPHE	●	●
POA	EWLQ~G- 	R-410A	1		●			●	●	●	●
	EWLQ~L- 	R-410A	2		●			●	●	●	●
	EWLD~J- 	R-134a	1-2			●		●	●	●	●
	EWLD~G- 	R-134a	1-2			●		●	●	●	●
	EWLD~I- 	R-134a	1-2-3			●		●	●	●	●
<b>Water cooled centrifugal chillers</b>											
POA	EWWD~FZ 	R-134a	1	●			●	●	Flooded	●	●

\* (GWP) : R-410A (2087.5), R-134a (1430), R-407C (1,773.9)  
 \*\* BPHE: Brazed plate heat exchanger  
 \*\*\* Mandatory commissioning by Daikin Airconditioning UK

## Water cooled scroll chillers

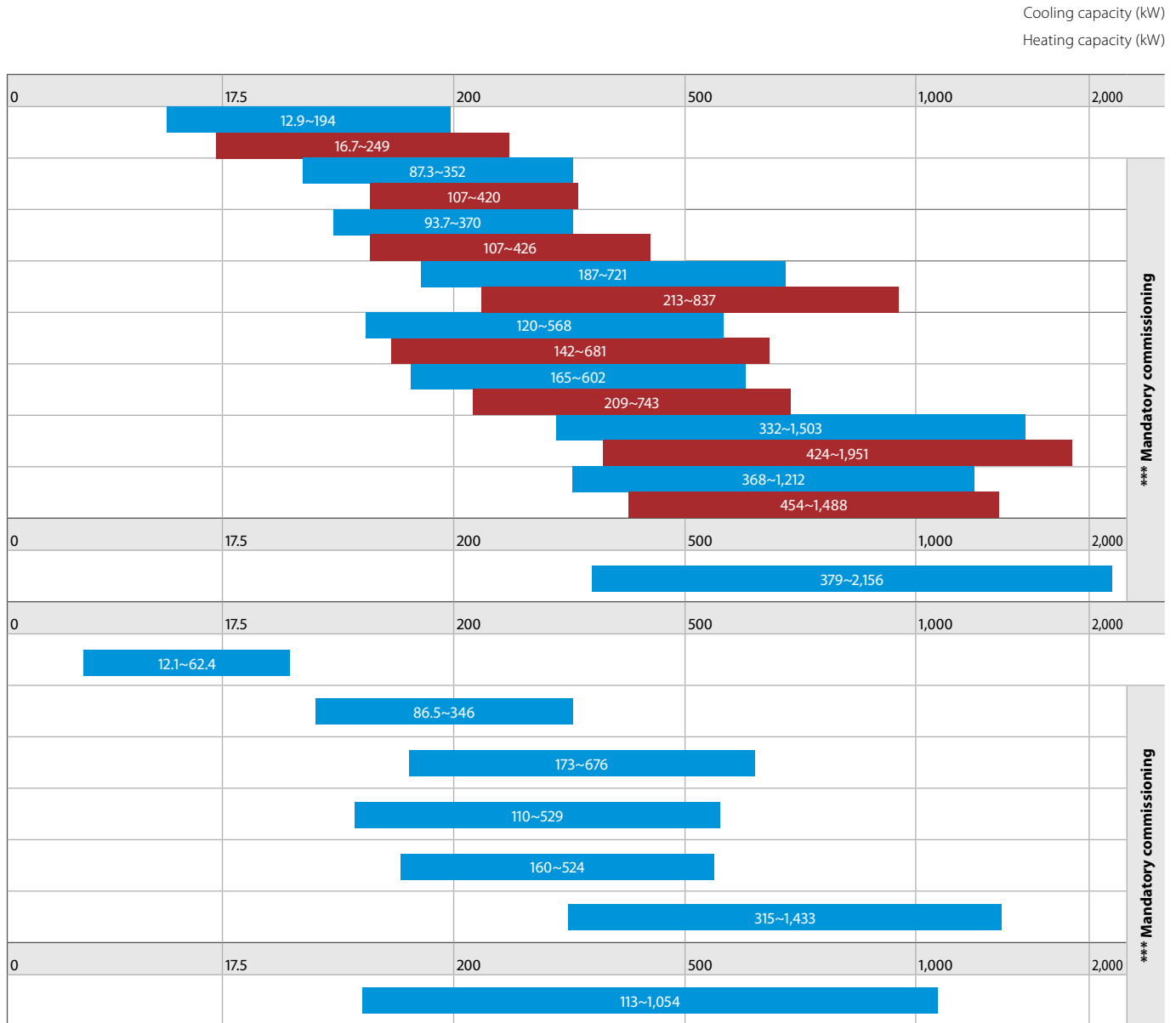
These units are among the most efficient, quiet and reliable chillers available today which can be easily integrated with the HVAC system of your choice.

## Water cooled screw chillers

The Daikin water cooled screw chillers provide the ideal solution for sound sensitive environments. Applications range from comfort cooling to ice making.

## Water cooled, oil free centrifugal chillers

With a small footprint, quiet compressor and ability to integrate easily with existing HVAC systems, this chiller is the ideal solution for large cooling requirements (e.g. district cooling) and offers a return on investment throughout its lifecycle.



Please contact your local sales office for further information on these products and extensive option flexibility – download info from [daikin.co.uk](http://daikin.co.uk)

# Air Cooled Water Chillers

## Air Cooled Inverter Packaged Swing / Scroll Compressor – R410A c/w Hydraulic Pump and Expansion Vessel



Model No	Nominal Cooling kW	Nominal Heating kW	Power Supply	Trade Price	
				EWAQ~P Base Unit	EWAQ~P-H Base Unit with OP10
EWAQ005ADVP	5.20	-	1-phase	£1,840.00	£2,071.00
EWAQ006ADVP	6.00	-	1-phase	£2,016.00	£2,244.00
EWAQ007ADVP	7.10	-	1-phase	£2,234.00	£2,465.00
EWAQ009ACV3P	8.60	-	1-phase	£2,550.00	£2,925.00
EWAQ010ACV3P	9.60	-	1-phase	£2,699.00	£3,074.00
EWAQ011ACV3P	11.10	-	1-phase	£2,900.00	£3,275.00
EWAQ009ACW1P	9.10	-	3-phase	£2,660.00	£3,033.00
EWAQ011ACW1P	11.10	-	3-phase	£2,925.00	£3,300.00
EWAQ013ACW1P	13.30	-	3-phase	£3,098.00	£3,473.00

## Air Cooled Inverter Packaged Scroll Compressor – R410A

Model No	Nominal Cooling kW	Nominal Heating kW	Power Supply	Trade Price			
				EWAQ-BAWN Base Unit	EWAQ-BAWNBH-Base Unit with OP10+OPZL	EWAQ-BAWPBH-Std Pump Unit with OP10+OPZL	EWAQ-BAWHBH-High Pump Unit with OP10+OPZL
EWAQ016BAW	17.4	-	3-phase	£4,342.00	£4,959.00	£5,351.00	£5,534.00
EWAQ021BAW	21.7	-	3-phase	£5,111.00	£5,728.00	£6,120.00	£6,303.00
EWAQ025BAW	25.8	-	3-phase	£5,764.00	£6,381.00	£6,773.00	£6,956.00
EWAQ032BAW	32.3	-	3-phase	£6,649.00	£7,266.00	£7,789.00	£7,841.00
EWAQ040BAW	43.4	-	3-phase	£8,794.00	£9,591.00	£10,114.00	£10,373.00
EWAQ050BAW	51.8	-	3-phase	£9,797.00	£10,594.00	£11,117.00	£11,376.00
EWAQ064BAW	64.5	-	3-phase	£11,313.00	£12,110.00	£12,633.00	£12,892.00

# Air Cooled Heat Pump Water Chillers

## Air Cooled Heat Pump Inverter Packaged Swing / Scroll Compressor – R410A c/w Hydraulic Pump and Expansion Vessel



Model No	Nominal Cooling kW	Nominal Heating kW	Power Supply	Trade Price	
				EWYQ~P Base Unit	EWYQ~P-H Base Unit with OP10
EWYQ005ADVP	5.20	5.65	1-phase	£2,124.00	£2,355.00
EWYQ006ADVP	6.00	6.35	1-phase	£2,295.00	£2,523.00
EWYQ007ADVP	7.10	7.75	1-phase	£2,540.00	£2,768.00
EWYQ009ACV3P	8.60	9.90	1-phase	£2,934.00	£3,309.00
EWYQ010ACV3P	9.60	11.40	1-phase	£3,089.00	£3,464.00
EWYQ011ACV3P	11.10	12.90	1-phase	£3,275.00	£3,650.00
EWYQ009ACW1P	9.10	10.90	3-phase	£3,049.00	£3,424.00
EWYQ011ACW1P	11.10	12.40	3-phase	£3,309.00	£3,684.00
EWYQ013ACW1P	13.30	13.90	3-phase	£3,498.00	£3,873.00

## Air Cooled Heat Pump Inverter Packaged Scroll Compressor – R410A

Model No	Nominal Cooling kW	Nominal Heating kW	Power Supply	Trade Price			
				EWYQ-BAWN Base Unit	EWYQ-BAWNBH-Base Unit with OP10+OPZL	EWYQ-BAWPBH-Std Pump Unit with OP10+OPZL	EWYQ-BAWHBH-High Pump Unit with OP10+OPZL
EWYQ016BAW	17.4	16.2	3-phase	£4,992.00	£5,609.00	£6,001.00	£6,184.00
EWYQ021BAW	21.7	20.3	3-phase	£5,877.00	£6,494.00	£6,886.00	£7,069.00
EWYQ025BAW	25.8	24.6	3-phase	£6,629.00	£7,246.00	£7,638.00	£7,821.00
EWYQ032BAW	32.3	30.7	3-phase	£7,645.00	£8,262.00	£8,785.00	£8,837.00
EWYQ040BAW	43.4	40.6	3-phase	£10,110.00	£10,907.00	£11,430.00	£11,689.00
EWYQ050BAW	51.8	49.0	3-phase	£11,264.00	£12,061.00	£12,584.00	£12,843.00
EWYQ064BAW	64.5	61.5	3-phase	£13,009.00	£13,806.00	£14,329.00	£14,588.00

### Notes:

- Please contact your local sales office for further information on these products – Download information from [www.daikin.co.uk](http://www.daikin.co.uk)
- Nominal cooling capacities are based on 35°C ambient, chilled water @ 12/7°C
- Nominal heating capacities are based on 7°C db / 6°C wb ambient, water @ 40 / 45°C
- EWA/YQ series only operates in cooling down to ambients of +10°C
- The EWA/YQ064BA delivery does not include offloading to kerbside. Additional costs for delivery with a Hi-ab are available on request
- Commissioning by Daikin Airconditioning UK is not mandatory, however can be arranged through your regional service department

### Fitted Options:

To Fit Model EWAQ-A & EWYQ-A		EWA/YQ-ADV P			EWA/YQ-ACV3P			EWA/YQ-ACW1P		
Option	Description	005	006	007	009	010	011	009	011	013
OP10	Evaporator Heater Tape	£231	£231	£231	£375	£375	£375	£375	£375	£375

To Fit Model EWAQ-BA & EWYQ-BA		016	021	025	032	040	050	064
Option	Description	£353	£353	£353	£353	£444	£444	£444
OPZL	Chilled Water Down to -10	£264	£264	£264	£264	£353	£353	£353
OPSP	Low Lift Pump	£392	£392	£392	£523	£523	£523	£523
OPHP	High Lift Pump	£575	£575	£575	£575	£782	£782	£782

# Water Cooled Chillers

Model No	Nominal Cooling kW	Nominal Heating kW	Power Supply	Trade Price
----------	--------------------	--------------------	--------------	-------------

## Water Cooled Packaged Scroll Compressor – R407C

EWWP014KBW1N	12.90	-	3-phase	<b>£2,410.00</b>
EWWP022KBW1N	21.40	-	3-phase	<b>£3,066.00</b>
EWWP028KBW1N	27.80	-	3-phase	<b>£3,530.00</b>
EWWP035KBW1N	32.30	-	3-phase	<b>£3,952.00</b>
EWWP045KBW1N	42.80	-	3-phase	<b>£4,934.00</b>
EWWP055KBW1N	55.70	-	3-phase	<b>£5,850.00</b>
EWWP065KBW1N	64.70	-	3-phase	<b>£6,486.00</b>

## Fitted Options:

To Fit Model EWWP-KAW1N								
Option	Description	014	022	028	035	045	055	065
OPZH	Chilled Water Down to -5	£122	£122	£122	£122	£122	£122	£122
OPZL	Chilled Water Down to -10	£122	£122	£122	£122	£122	£122	£122

## Notes:

- Please contact your local sales office for further information on these products – Download information from [www.daikin.co.uk](http://www.daikin.co.uk)
- Nominal cooling capacities are based on chilled water @ 12/7°C, condenser water @ 30/35°C
- Commissioning by Daikin Airconditioning UK is not mandatory, however can be arranged through your regional service department



# Condenserless Chillers

Model No	Nominal Cooling kW	Nominal Heating kW	Power Supply	Trade Price
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## Condenserless Packaged Scroll Compressor – R407C

EWLP012KBW1N	12.10	-	3-phase	<b>£2,049.00</b>
EWLP020KBW1N	20.00	-	3-phase	<b>£2,607.00</b>
EWLP026KBW1N	26.80	-	3-phase	<b>£3,000.00</b>
EWLP030KBW1N	31.20	-	3-phase	<b>£3,359.00</b>
EWLP040KBW1N	40.00	-	3-phase	<b>£4,194.00</b>
EWLP055KBW1N	53.70	-	3-phase	<b>£4,973.00</b>
EWLP065KBW1N	62.40	-	3-phase	<b>£5,513.00</b>

## Fitted Options:

To Fit Model EWLP-KAW1N								
Option	Description	012	020	026	030	040	055	065
OPZH	Chilled Water Down to -5	£122	£122	£122	£122	£122	£122	£122
OPZL	Chilled Water Down to -10	£122	£122	£122	£122	£122	£122	£122

## Notes:

- Please contact your local sales office for further information on these products – Download information from [www.daikin.co.uk](http://www.daikin.co.uk)
- Nominal cooling capacities are based on chilled water @ 12/7°C, condensing temperature @ 45°C, liquid temperature @ 40°C
- Commissioning by Daikin Airconditioning UK is not mandatory, however can be arranged through your regional service department



# Applied Systems Kit Options

## Loose Accessory Options:

Model	Description	Trade Price
DTA104A62	External control adaptor Low noise & demand limit - EWAQ/EWYQ-BA	<b>£221.00</b>
EHMC10A10	HYDRAULIC MODULE -Normal static + anti-freeze protection - EWWP014~022/EWLP012~020	<b>£1,668.00</b>
EHMC10A80	HYDRAULIC MODULE -High static + anti-freeze protection - EWWP014~022/EWLP012~020	<b>£1,775.00</b>
EHMC15A10	HYDRAULIC MODULE -Normal static + anti-freeze protection - EWWP028~035/EWLP026~030	<b>£1,775.00</b>
EHMC15A80	HYDRAULIC MODULE -High static + anti-freeze protection - EWWP028~035/EWLP026~030	<b>£1,848.00</b>
EHMC30A10	HYDRAULIC MODULE -Normal static + anti-freeze protection - EWWP045~065/EWLP040~065	<b>£1,991.00</b>
EHMC30A80	HYDRAULIC MODULE -High static + anti-freeze protection - EWWP045~065/EWLP040~065	<b>£1,991.00</b>
EKAC10C	Address card for connection to BMS - EWWP, EWLP (note not available on the modular EWWP)	<b>£86.00</b>
EKRUMCA	Remote Control - EWWP, EWLP (needs EKAC10C)	<b>£163.00</b>
EKBT	Buffertank 200l	<b>£1,097.00</b>
EKLS1	Low noise operation EWLP012~EWWP14	<b>£155.00</b>
EKLS2	Low noise operation EWLP02~030, EWWP22-35	<b>£155.00</b>
EKLS2 X 2	Low noise operation EWLP040~065, EWWP45-65	<b>£310.00</b>
EKR1HBA	Digital I/O PCB - EWAQ / EWYQ - AC	<b>£104.00</b>
EKR1AHT	Demand PCB / Inputs - EWAQ/EWYQ-BA (2 x on size 40/50/64)	<b>£104.00</b>
EKRUAHTB	Remote user interface (in parallel) - EWAQ/EWYQ-BA	<b>£157.00</b>
RTD-W	MODBUS Interface - EWAQ/EWYQ-BA	<b>£205.00</b>
EKCC-W	Sequence Controller - EWAQ/EWYQ-BA	<b>£640.00</b>



# Daikin Commissioning & Maintenance

Model	Description	Net Price
UK.FSCC/SMALL	Commissioning for small size chiller <70kW (price per chiller)	<b>£685.00</b>
UK.FSCC/MEDIUM	Commissioning for medium size chiller 70-999kW (price per chiller)	<b>£877.50</b>
UK.FSCC/LARGE	Commissioning for chiller large >1000kW ~ (price per chiller)	<b>£1,170.00</b>
UK.FSCM/SMALL	Maintenance contract for small size chiller <70kW (price per maintenance visit)	<b>£342.50</b>
UK.FSCM/MED	Maintenance contract for medium size chiller 70-999kW (price per maintenance visit)	<b>£685.00</b>
UK.FSCM/LARGE	Maintenance contract for large size chiller >1000kW ~ (price per maintenance visit)	<b>£1,027.50</b>

## Notes:

- Commissioning is mandatory on all chillers with a nominal capacity >70kW and as indicated on the product overview pages 170-173

Please contact your regional service department for further information on these services.

## Fan Coil Units



Fan Coil Units are a highly efficient means of turning a water chiller, heat pump or hot water boiler into an efficient, quiet air conditioning system. These units are an effective solution to provide a comfortable environment for both commercial and residential applications. Daikin offers a wide range of Fan Coil Units for both concealed and exposed applications, to suit particular installation requirements. Many of these are available with Brushless Direct Current (BLDC) Fan Motors providing high energy efficiency and comfort levels.



# High Efficiency BLDC Fan Coil Units



## Brushless DC Motors for:

- > Higher operational efficiency
- > Tighter comfort control
- > Low sound levels

### Benefits for the installer

- > Reduced amount of sizes; less stock space needed
- > Modular designs for multiple configurations
- > Easy integration in BMS system via modbus protocol\*

\* except for FWG-AT/AF range

### Benefits for the consultant

- > Best solution in the market in order to have top efficiency, best comfort and lowest sound levels

### Benefits for the end user

- > High comfort level
- > Up to 70% savings on running costs
- > Controller with timer programmed operating mode

### Higher efficiency than AC (Alternative Current) motor

- > Up to 70% energy savings
- > No heat generation
- > No power losses
- > Higher efficiency than AC motors to reach set point

### High comfort level

- > Less fluctuation of air temperature and relative humidity
- > More consistent output level
- > Stepless speed change for gradual air output
- > More accurate adjustments to reach set point

### Low sound levels

- > Lower minimum rotation speed
- > No start-stop sequence
- > Gradual air output

# Fan Coil Units

Type	Model	Product name	Fan motor type
Ceiling mounted cassette	<b>Roundflow cassette</b> - Brushless DC fan motor unit for ceiling mounting - 360° air discharge ensures uniform air flow - Integrated fresh air intake - Easy installation in corners - Standard drain pump with 850 mm lift	 FWC-BT/BF	 BLDC
	<b>4-way blow ceiling mounted cassette</b> - AC fan motor unit for ceiling mounting - Integrated fresh air intake - Horizontal auto swing - Easy installation in corners - Standard drain pump with 750 mm lift	FWF-BT/BF	 AC
Floor standing unit	<b>Floor standing unit</b> - Brushless DC fan motor for vertical mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWZ-AT/AF	 BLDC
	<b>Floor standing unit</b> - AC fan motor unit for horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWV-DAT/DAF	 AC
Flexi type unit	<b>Flexi type unit</b> - Brushless DC fan motor unit for horizontal or vertical mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWR-AT/AF	 BLDC
	<b>Flexi type unit</b> - AC fan motor unit for horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWL-DAT/DAF	 AC
	<b>Concealed flexi type unit</b> - Brushless DC fan motor unit for horizontal or vertical concealed mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWS-AT/AF	 BLDC
	<b>Concealed flexi type unit</b> - AC fan motor unit for horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWM-DAT/DAF	 AC
Wall mounted unit	<b>Wall mounted unit</b> - AC fan motor unit for wall mounting - High aesthetic cabinet design - Optimum air distribution - Easy installation - 3-speed fan motor	FWT-CT	 AC
Concealed ceiling unit	<b>Concealed ceiling unit with medium ESP</b> - Brushless DC fan motor unit for horizontal concealed mounting - Instant adjustment to temperature and relative humidity changes - Available static pressure up to 80 Pa - Low sound levels	FWP-AT	 BLDC
	<b>Concealed ceiling unit with medium ESP</b> - AC fan motor unit for horizontal concealed mounting - Available static pressure up to 80 Pa - 7-speed electrical motors (thermal protection on windings) - Easy maintenance	FWB-BT	 AC
	<b>Concealed ceiling unit with high ESP</b> - AC fan motor unit for horizontal or vertical concealed mounting - Available static pressure up to 120 Pa - Easy maintenance	FWD-AT/AF	 AC

## Capacity conditions

### EUROVENT conditions

#### Cooling

27°C db / 19°C wb - Entering water 7°C - Leaving water 12°C

#### Heating 4 Pipe

20°C db - Entering water 70°C - Leaving water 60°C

#### Heating 2 Pipe

20°C db - Entering water 50°C - Flow rate as in cooling mode

Capacity	1	2	3	4	5	6	7	8	9	10	11	12~	18
Cooling: 2.0 - 5.2 kW Heating: 2.9 - 6.7 kW						•	•	•	•				
Cooling: 2.49 - 4.54 kW Heating: 3.52 - 5.28 kW		•	•	•	•								
Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW		•	•			•		•					
Cooling: 1.46 - 8.02 kW Heating: 1.90 - 10.03 kW	•	•	•	•			•		•		•		
Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW		•	•			•		•					
Cooling: 1.46 - 8.02 kW Heating: 1.90 - 10.03 kW	•	•	•	•		•		•		•			
Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW		•	•			•		•					
Cooling: 1.46 - 8.02 kW Heating: 1.90 - 10.03 kW	•	•	•	•		•		•		•			
Cooling: 2.43 - 5.28 kW Heating: 3.22 - 7.33 kW		•	•	•	•	•							
Cooling: 2.61 - 6.47 kW Heating: 5.47 - 12.28 kW		•	•	•	•	•	•						
Cooling: 2.61 - 10.34 kW Heating: 5.47 - 18.78 kW		•	•	•	•	•	•	•	•	•			
Cooling: 3.90 - 18.30 kW Heating: 4.05 - 21.92 kW				•		•		•		•		•	•

Please contact your local sales office for further information on these products and extensive option flexibility – download info from [daikin.co.uk](http://daikin.co.uk)

#### TYPICAL UK cooling conditions

22°C db / 16.0°C wb - Entering water 7°C - Leaving water 12°C

0 Pa External Static Pressure

0% Glycol

FWP & FWD Ducted FCU - Above capacities are based on 30 Pa External Static Pressure

FWS Uncased - Based on 20 pa external static

New BLDC (Brushless Direct Current)

# Inverter Driven Floor Standing Fan Coil Units



Cased Low Wall Mount Type 2-pipe			FWZ02AT	FWZ03AT	FWZ06AT	FWZ08AT
Capacity	UK Total Cooling	kW	1.39	2.57	3.23	5.11
	Nominal Cooling	kW	2.64	4.96	6.32	10.08
	Nominal Heating	kW	3.47	6.4	7.51	11.18
Dimensions	Height x Width x Depth	mm	226 x 774 x 564	226 x 987 x 564	226 x 1194 x 564	251 x 1404 x 564
Weight		kg	20	25	31	41
Sound Power	High/Low	dBA	62/28	70/28	64/28	71/28
Sound Pressure	High/Low	dBA	54/20	62/20	56/20	63/20
Air Flow Rate	High	m <sup>3</sup> /min	9.33	15	20	27.66
Water Connections		inch	1/2	1/2	1/2	3/4
Electrical Data	Power Supply		1ph			

Trade Fan Coil Price - Naked - No Valve		FWZ02ATN	FWZ03ATN	FWZ06ATN	FWZ08ATN
		£254.00	£269.00	£311.00	£389.00
Trade Fan Coil Price - Complete with 2-way 230V valve, Elec Heater & FWEC SAP power control factory fitted		FWZ02ATT6V3ES-	FWZ03ATT6V3ES-	FWZ06ATT6V3ES-	FWZ08ATT6V3ES-
		£509.00	£531.00	£581.00	£664.00
Trade Fan Coil Price - Complete with 3-way 230V valve, Elec Heater & FWEC SAP power control factory fitted		FWZ02ATV6V3ES-	FWZ03ATV6V3ES-	FWZ06ATV6V3ES-	FWZ08ATV6V3ES-
		£577.00	£598.00	£653.00	£743.00

Cased Low Wall Mount Type 4-pipe			FWZ02AF	FWZ03AF	FWZ06AF	FWZ08AF
Capacity	UK Total Cooling	kW	1.39	2.57	3.23	5.11
	Nominal Cooling	kW	2.64	4.96	6.32	10.08
	Nominal Heating	kW	2.46	4.19	6.45	10.06
Dimensions	Height x Width x Depth	mm	226 x 774 x 564	226 x 987 x 564	226 x 1194 x 564	251 x 1404 x 564
Weight		kg	21	26	33	44
Sound Power	High/Low	dBA	62/28	70/28	64/28	71/28
Sound Pressure	High/Low	dBA	54/20	62/20	56/20	63/20
Air Flow Rate	High	m <sup>3</sup> /min	9.33	15	20	27.66
Water Connections		inch	1/2	1/2	1/2	3/4
Electrical Data	Power Supply		1ph			

Trade Fan Coil Price - Naked - No Valve		FWZ02AFN	FWZ03AFN	FWZ06AFN	FWZ08AFN
		£277.00	£294.00	£349.00	£428.00
Trade Fan Coil Price - Complete with 2-way 230V valve and FWEC SAP power control factory fitted		FWZ02AFT6V3-S-	FWZ03AFT6V3-S-	FWZ06AFT6V3-S-	FWZ08AFT6V3-S-
		£424.00	£441.00	£496.00	£578.00
Trade Fan Coil Price - Complete with 3-way 230V valve and FWEC SAP power control factory fitted		FWZ02AFV6V3-S-	FWZ03AFV6V3-S-	FWZ06AFV6V3-S-	FWZ08AFV6V3-S-
		£537.00	£554.00	£609.00	£698.00

Please note models with factory fitted FWEC SAP power control, require FWEC SAC control panel(s) depending on FCU control network

New BLDC (Brushless Direct Current)

# Inverter Driven Flexi Fan Coil Units



Cased Flexi Type 2-pipe			FWR02AT	FWR03AT	FWR06AT	FWR08AT
Capacity	UK Total Cooling	kW	1.39	2.57	3.23	5.11
	Nominal Cooling	kW	2.64	4.96	6.32	10.08
	Nominal Heating	kW	3.47	6.4	7.51	11.18
Dimensions	Height x Width x Depth	mm	226 x 774 x 564	226 x 987 x 564	226 x 1194 x 564	251 x 1404 x 564
Weight		kg	21	27	33	44
Sound Power	High/Low	dBA	62/28	70/28	64/28	71/28
Sound Pressure	High/Low	dBA	54/20	62/20	56/20	63/20
Air Flow Rate	High	m <sup>3</sup> /min	9.33	15	20	27.66
Water Connections		inch	1/2	1/2	1/2	3/4
Electrical Data	Power Supply		1ph			

Trade Fan Coil Price - Naked - No Valve		FWR02ATN	FWR03ATN	FWR06ATN	FWR08ATN
		£266.00	£288.00	£332.00	£424.00
Trade Fan Coil Price - complete with 2-way 230V valve, Elec Heater & FWEC SAP power control factory fitted		FWR02ATT6V3ES-	FWR03ATT6V3ES-	FWR06ATT6V3ES-	FWR08ATT6V3ES-
		£521.00	£550.00	£602.00	£699.00
Trade Fan Coil Price - Complete with 3-way 230V valve, Elec Heater & FWEC SAP power control factory fitted		FWR02ATV6V3ES-	FWR03ATV6V3ES-	FWR06ATV6V3ES-	FWR08ATV6V3ES-
		£589.00	£617.00	£674.00	£778.00

Cased Flexi Type 4-pipe			FWR02AF	FWR03AF	FWR06AF	FWR08AF
Capacity	UK Total Cooling	kW	1.39	2.57	3.23	5.11
	Nominal Cooling	kW	2.64	4.96	6.32	10.08
	Nominal Heating	kW	2.46	4.19	6.45	10.06
Dimensions	Height x Width x Depth	mm	226 x 774 x 564	226 x 987 x 564	226 x 1194 x 564	251 x 1404 x 564
Weight		kg	22	28	35	46
Sound Power	High/Low	dBA	62/28	70/28	64/28	71/28
Sound Pressure	High/Low	dBA	54/20	62/20	56/20	63/20
Air Flow Rate	High	m <sup>3</sup> /min	9.33	15	20	27.66
Water Connections		inch	1/2	1/2	1/2	3/4
Electrical Data	Power Supply		1ph			

Trade Fan Coil Price - Naked - No Valve		FWR02AFN	FWR03AFN	FWR06AFN	FWR08AFN
		£291.00	£313.00	£368.00	£468.00
Trade Fan Coil Price - Complete with 2-way 230V valve and FWEC SAP power control factory fitted		FWR02AFT6V3-S-	FWR03AFT6V3-S-	FWR06AFT6V3-S-	FWR08AFT6V3-S-
		£438.00	£460.00	£515.00	£618.00
Trade Fan Coil Price - Complete with 3-way 230V valve and FWEC SAP power control factory fitted		FWR02AFV6V3-S-	FWR03AFV6V3-S-	FWR06AFV6V3-S-	FWR08AFV6V3-S-
		£551.00	£573.00	£628.00	£738.00

Please note models with factory fitted FWEC SAP power control, require FWEC SAC control panel(s) depending on FCU control network

New BLDC (Brushless Direct Current)

## Inverter Driven Low Static Concealed Flexi Fan Coil Units



Concealed Flexi Type 2-pipe			FWS02AT	FWS03AT	FWS06AT	FWS08AT
Capacity	UK Total Cooling	kW	1.08	2.02	2.52	3.99
	Nominal Cooling	kW	2.64	4.96	6.32	10.08
	Nominal Heating	kW	3.47	6.4	7.51	11.18
Dimensions	Height x Width x Depth	mm	224 x 584 x 535	224 x 794 x 535	224 x 1004 x 535	249 x 1214 x 535
Weight		kg	15	19	23	32
Sound Power	High/Low	dBA	62/28	70/28	64/28	71/28
Sound Pressure	High/Low	dBA	54/20	62/20	56/20	63/20
Air Flow Rate	High	m <sup>3</sup> /min	9.33	15	20	27.66
Water Connections		inch	1/2	1/2	1/2	3/4
Electrical Data	Power Supply		1ph			

Trade Fan Coil Price - Naked - No Valve	FWS02ATN	FWS03ATN	FWS06ATN	FWS08ATN
	£228.00	£243.00	£280.00	£349.00
Trade Fan Coil Price - complete with 2-way 230V valve, Elec Heater & FWEC SAP power control factory fitted	FWS02ATT6V3ES-£483.00	FWS03ATT6V3ES-£505.00	FWS06ATT6V3ES-£550.00	FWS08ATT6V3ES-£624.00
Trade Fan Coil Price - Complete with 3-way 230V valve, Elec Heater & FWEC SAP power control factory fitted	FWS02ATV6V3ES-£551.00	FWS03ATV6V3ES-£572.00	FWS06ATV6V3ES-£622.00	FWS08ATV6V3ES-£703.00

Concealed Flexi Type 4-pipe			FWS02AF	FWS03AF	FWS06AF	FWS08AF
Capacity	UK Total Cooling	kW	1.08	2.02	2.52	3.99
	Nominal Cooling	kW	2.64	4.96	6.32	10.08
	Nominal Heating	kW	2.46	4.19	6.45	10.06
Dimensions	Height x Width x Depth	mm	224 x 584 x 535	224 x 794 x 535	224 x 1004 x 535	249 x 1214 x 535
Weight		kg	16	20	25	34
Sound Power	High/Low	dBA	62/28	70/28	64/28	71/28
Sound Pressure	High/Low	dBA	54/20	62/20	56/20	63/20
Air Flow Rate	High	m <sup>3</sup> /min	9.33	15	20	27.66
Water Connections		inch	1/2	1/2	1/2	3/4
Electrical Data	Power Supply		1ph			

Trade Fan Coil Price - Naked - No Valve	FWS02AFN	FWS03AFN	FWS06AFN	FWS08AFN
	£252.00	£273.00	£313.00	£391.00
Trade Fan Coil Price - Complete with 2-way 230V valve and FWEC SAP power control factory fitted	FWS02AFT6V3-S-£399.00	FWS03AFT6V3-S-£420.00	FWS06AFT6V3-S-£460.00	FWS08AFT6V3-S-£541.00
Trade Fan Coil Price - Complete with 3-way 230V valve and FWEC SAP power control factory fitted	FWS02AFV6V3-S-£512.00	FWS03AFV6V3-S-£533.00	FWS06AFV6V3-S-£573.00	FWS08AFV6V3-S-£661.00

**Please note** models with factory fitted FWEC SAP power control, require FWEC SAC control panel(s) depending on FCU control network

## Floor Standing and Flexi Fan Coil Unit Accessories

Loose Accessory Options:

FWZ, FWR, FWS	02-03	06	08
2-pipe 3-way valve kits c/w lockshields	E2MV03A6		E2MV10A6
	£122.00		£129.00
4-pipe 3-way valve kits c/w lockshields	E4MV03A6		E4MV10A6
	£219.00		£231.00
Vertical drainpan		EDPVB6	
		£5.00	
Horizontal drainpan		EDPHB6	
		£5.00	
Advanced Plus Electronic Controller		FWEC3A	
		£115.00	
Split Electronic Controller Power control board + Control panel		FWECSA = FWEC SAP + FWEC SAC	
		£143.00 or £82.00 + £61.00	
On board installation kit (FWZ & FWR - Low Wall Mounted Only)		FWECKA	
		£11.00	
Return Air Sensor		FWTSKA	
		£8.00	

Notes:

- Each controller version includes the water probe
- The on board installation kit includes a remote air probe (if installed the internal fan coil robe is disabled)
- The FWEC3A can operate up to 247 fan coils as master slave control, plus weekly schedule timer, proportional valve control and 2 digital outputs (1 per fan coil required)
- The FWEC3A can operate up to 256 fan coils as master slave control on RS485 network
- The FWEC SAP and FWEC SAC can be ordered individually or as a pack

APPLIED

New BLDC (Brushless Direct Current)



# Inverter Driven Medium Static Ducted Fan Coil Units

Concealed Ducted Type 2-pipe			FWP02AT	FWP03AT	FWP04AT	FWP05AT	FWP06AT	FWP07AT
Capacity	UK Total Cooling	kW	1.34	1.67	2.03	2.5	2.77	3.47
	Nominal Cooling	kW	2.61	3.14	3.49	5.08	5.45	6.47
	Nominal Heating	kW	5.47	6.01	6.47	10.31	11.39	12.28
Dimensions	Height	mm	239	239	239	239	239	239
	Width	mm	1039	1039	1039	1389	1389	1389
	Depth	mm	609	609	609	609	609	609
Weight		kg	24	26	28	33	35	38
Sound Power	High/Low	dBA	56/40	56/40	56/40	61/39	61/39	61/39
Sound Pressure	High/Low	dBA	44/24	44/24	44/24	50/27	50/27	50/27
Air Flow Rate	High	m <sup>3</sup> /min	6.66	6.66	6.66	13.33	13.33	13.33
Water Connections		inch	3/4	3/4	3/4	3/4	3/4	3/4
Electrical Data	Power Supply		1ph					
<b>Trade Fan Coil Price - Naked - No Valve</b>			<b>FWP02ATN</b>	<b>FWP03ATN</b>	<b>FWP04ATN</b>	<b>FWP05ATN</b>	<b>FWP06ATN</b>	<b>FWP07ATN</b>
			<b>£327.00</b>	<b>£341.00</b>	<b>£354.00</b>	<b>£415.00</b>	<b>£420.00</b>	<b>£448.00</b>
<b>Trade Fan Coil Price - Complete with 3-way 230V valve and FWEC3AP power control factory fitted</b>			<b>FWP02ATV6V3-S-</b>	<b>FWP03ATV6V3-S-</b>	<b>FWP04ATV6V3-S-</b>	<b>FWP05ATV6V3-S-</b>	<b>FWP06ATV6V3-S-</b>	<b>FWP07ATV6V3-S-</b>
			<b>£472.00</b>	<b>£486.00</b>	<b>£499.00</b>	<b>£561.00</b>	<b>£565.00</b>	<b>£594.00</b>

**Please note** models with factory fitted FWEC3AP power control, require FWEC3AC control panel(s) depending on FCU control network. If you require a 4 pipe fan coil please purchase additional heat exchanger as shown below

## Loose Accessory Options:

FWP	02 - 04	05 - 07
Additional Heat exchanger (4 Pipe) nominal heating cap 3.2kW	EAH04A6 <b>£90.00</b>	-
Additional Heat exchanger (4 Pipe) nominal heating cap 6.1kW	-	EAH07A6 <b>£105.00</b>
2-way valve cooling coil	E2MV207A6 <b>£53.00</b>	
3-way valve add.h/e	E2MV307A6 <b>£93.00</b>	
2-way valve add.h/e	E2MV207A6 <b>£53.00</b>	
Advanced Plus Electronic Controller	FWEC3A <b>£115.00</b>	
Split Electronic Controller Power control board + Control panel	FWEC3A = FWEC3AP + FWEC3AC <b>£143.00 or £82.00 + £61.00</b>	
Return Air Sensor	FWT5KA <b>£8.00</b>	

## Notes:

- i) Each controller version includes the water probe
- ii) The FWEC3A can operate up to 247 fan coils as master slave control, plus weekly schedule timer, proportional valve control and 2 digital outputs (1 per fan coil required)
- iii) The FWEC3A can operate up to 256 fan coils as master slave control on RS485 network
- iv) The FWEC3AP and FWEC3AC can be ordered individually or as a pack



## AC Fan Motor - 3 speed

# High Static Ducted Fan Coil Units



Concealed Ducted Type 2-pipe			FWD04AT	FWD06AT	FWD08AT	FWD10AT	FWD12AT	FWD16AT	FWD18AT
Capacity	UK Total Cooling	kW	2.15	3.48	4.44	4.92	7.21	8.96	9.91
	Nominal Cooling	kW	3.9	6.2	7.8	8.82	11.9	16.4	18.3
	Nominal Heating	kW	4.05	7.71	9.43	10.79	14.45	19.81	21.92
Dimensions	Height	mm	280	280	280	280	352	352	352
	Width	mm	754	964	1174	1174	1174	1384	1384
	Depth	mm	559	559	559	559	718	718	718
Weight		kg	33	41	47	49	65	77	80
Sound Power	High / Low	dB(A)	66/54	69/59	72/62	72/62	74/60	78/69	78/69
Sound Pressure	High / Low	dB(A)	56/46	61/51	64/54	64/54	66/52	70/61	70/61
Air Flow Rate	High	m <sup>3</sup> /min	13.33	20.83	26.67	26.67	36.67	50	50
Water Connections		inch	3/4	3/4	3/4	3/4	1	1	1
Electrical Data	Power Supply		1ph						

Trade Fan Coil Price	£262.00	£346.00	£405.00	£450.00	£559.00	£717.00	£789.00
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Concealed Ducted Type 4-pipe			FWD04AF	FWD06AF	FWD08AF	FWD10AF	FWD12AF	FWD16AF	FWD18AF
Capacity	UK Total Cooling	kW	2.15	3.48	4.44	4.92	7.21	8.96	9.91
	Nominal Cooling	kW	3.9	6.2	7.8	8.82	11.9	16.4	18.3
	Nominal Heating	kW	4.05	7.71	9.43	10.79	14.45	19.81	21.92
Dimensions	Height	mm	280	280	280	280	352	352	352
	Width	mm	754	964	1174	1174	1174	1384	1384
	Depth	mm	559	559	559	559	718	718	718
Weight		kg	35	43	50	52	71	83	86
Sound Power	High / Low	dB(A)	66/54	69/59	72/62	72/62	74/60	78/69	78/69
Sound Pressure	High / Low	dB(A)	56/46	61/51	64/54	64/54	66/52	70/61	70/61
Air Flow Rate	High	m <sup>3</sup> /min	13.33	20.83	26.67	26.67	36.67	50	50
Water Connections		inch	3/4	3/4	3/4	3/4	1	1	1
Electrical Data	Power Supply		1ph						

Trade Fan Coil Price	£308.00	£403.00	£470.00	£521.00	£656.00	£831.00	£911.00
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## Loose Accessory Options:

FWD	4	6	8 - 10	12	16 - 18
2-pipe 3-way valve	ED2MV04A6	ED2MV10A6		ED2MV12A6	ED2MV18A6
	<b>£128.00</b>	<b>£128.00</b>		<b>£128.00</b>	<b>£134.00</b>
4-pipe 3-way valve	ED4MV04A6	ED4MV10A6		2x ED2MV12A6	2 x ED2MV18A6
	<b>£247.00</b>	<b>£247.00</b>		<b>£256.00</b>	<b>£268.00</b>
Vertical Drain pan	EDDPV10A6			EDDPV18A6	
	<b>£11.00</b>			<b>£11.00</b>	
Horizontal Drain Pan	EDDPH10A6			EDDPH18A6	
	<b>£13.00</b>			<b>£13.00</b>	
Master slave interface	EPIMSA6			-	
	<b>£85.00</b>			-	
Power interface (S)	EPIB6				
Standard Electronic Controller	<b>£85.00</b>				
	FWEC1A				
Advanced Electronic Controller	<b>£59.00</b>				
	FWEC2A				
Advanced Plus Electronic Controller	<b>£83.00</b>				
	FWEC3A				
Split Electronic Controller	<b>£115.00</b>				
	FWEC3A				
Power control board + Control panel	FWECSA = FWEC3A + FWEC3A				
	<b>£143.00 or £82.00 + £61.00</b>				
Return Air Sensor	FWTSCA				
	<b>£8.00</b>				

## Notes:

FWEC1A is designed as an individual unit controller. Power interface EPIB6 is required for unit size 16 and 18 can operate up to 4 fan coils by adding a EPIMSA6.

If using this controller to operate up to 4 fan coil units by adding a EPIMSA6 you will require a EPIB6 power interface for unit size 12,16,18.

FWEC2A can operate up to 247 fan coils as master slave control ( 1 per fan coil required). Power interface EPIB6 is required for each unit size 16 and 18.

FWEC3A can operate up to 247 fan coils as master slave control, plus weekly schedule timer, proportional valve control (by others) and 2 digital outputs ( 1 per fan coil required).

The FWEC3A can operate up to 256 fan coils as master slave control on RS485 network

### Please note that:

- Each controller version includes the water probe.
- The FWEC3A and FWEC3A can be ordered individually or as a pack

AC Fan Motor - 3 speed

# 600 Sq Cassette Fan Coil Units



600sq Cassette Type 2-pipe c/w Decoration Panel BYFQ60B3			FWF02BT	FWF03BT	FWF04BT	FWF05BT
Capacity	UK Total Cooling	kW	1.20	1.9	2.5	3.1
	Nominal Cooling	kW	2	3.2	4.2	5.2
	Nominal Heating	kW	2.9	4	5.4	6.7
Dimensions	Height	mm	260	260	260	260
	Width	mm	575	575	575	575
	Depth	mm	575	575	575	575
Weight		kg	19	19	19	19
Sound Power	High / Low	dBA	44/36	44/36	50/36	55/42
Sound Pressure	High / Low	dBA	31/26	31/26	40/26	45/30
Air Flow Rate	High	m <sup>3</sup> /min	7.9	7.9	11.2	14.9
Water Connections		inch	3/4" BSP Female			
Electrical Data	Power Supply		1 ph			

<b>Trade Fan Coil Price</b>	<b>£509.00</b>	<b>£535.00</b>	<b>£565.00</b>	<b>£603.00</b>
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600sq Cassette Type 4-pipe c/w Decoration Panel BYFQ60B3			FWF02BF	FWF03BF	FWF04BF	FWF05BF
Capacity	UK Total Cooling	kW	1.10	1.6	2	2.5
	Nominal Cooling	kW	2	2.7	3.5	4.5
	Nominal Heating	kW	3.9	3.8	4.9	6.1
Dimensions	Height	mm	260	260	260	260
	Width	mm	575	575	575	575
	Depth	mm	575	575	575	575
Weight		kg	19	20	20	20
Sound Power	High / Low	dBA	44/36	44/36	50/36	55/42
Sound Pressure	High / Low	dBA	31/26	31/26	40/26	45/30
Air Flow Rate	High	m <sup>3</sup> /min	7.9	7.2	10.4	13.9
Water Connections		inch	3/4" BSP Female			
Electrical Data	Power Supply		1 ph			

<b>Trade Fan Coil Price</b>	<b>£541.00</b>	<b>£565.00</b>	<b>£603.00</b>	<b>£637.00</b>
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BLDC Fan Motor - 3 speed

# Cassette Fan Coil Units



Cassette Type 2-pipe c/w Decoration Panel BYCQ140C			FWC06BT	FWC07BT	FWC08BT	FWC09BT
Capacity	UK Total Cooling	kW	3.30	4.1	4.3	4.8
	Nominal Cooling	kW	5.8	6.8	7.7	8.7
	Nominal Heating	kW	8	8.9	10.6	12.1
Dimensions	Height	mm	288	288	288	288
	Width	mm	840	840	840	840
	Depth	mm	840	840	840	840
Weight		kg	26	26	26	26
Sound Power	High / Low	dBA	43/31	47/33	53/36	57/40
Sound Pressure	High / Low	dBA	29/21	33/22	39/24	43/28
Air Flow Rate	High	m <sup>3</sup> /min	17.7	20.6	25.4	30.8
Water Connections		inch	3/4" BSP Female			
Electrical Data	Power Supply		1 ph			

<b>Trade Fan Coil Price</b>	<b>£621.00</b>	<b>£637.00</b>	<b>£653.00</b>	<b>£681.00</b>
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Cassette Type 4-pipe c/w Decoration Panel BYCQ140C			FWC06BF	FWC07BF	FWC08BF	FWC09BF
Capacity	UK Total Cooling	kW	3.30	4	4.3	4.8
	Nominal Cooling	kW	5.8	6.6	7.6	8.7
	Nominal Heating	kW	7.5	8.4	9.7	11
Dimensions	Height	mm	288	288	288	288
	Width	mm	840	840	840	840
	Depth	mm	840	840	840	840
Weight		kg	29	29	29	29
Sound Power	High / Low	dBA	43/31	47/33	53/36	57/40
Sound Pressure	High / Low	dBA	29/21	33/22	39/24	43/28
Air Flow Rate	High	m <sup>3</sup> /min	17.1	19.9	24.6	29
Water Connections		inch	3/4" BSP Female			
Electrical Data	Power Supply		1 ph			

<b>Trade Fan Coil Price</b>	<b>£649.00</b>	<b>£673.00</b>	<b>£691.00</b>	<b>£708.00</b>
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APPLIED

# Cassette Accessories

## Loose Accessory Options:

FWF/FWC	FWF/FWC
Remote wired controller	BRC315D <b>£66.00</b>
Intelligent touch controller	DCS601C51 <b>£1,641.00</b>
Unit/Group adaptor pcb	KRP4A53 <b>£67.00</b>
Unit/Group adaptor pcb complete with installation box	KRP4A53/UK.FB2 <b>£92.00</b>
System adaptor pcb	KRP2A52 <b>£177.00</b>
System adaptor pcb complete with installation box	KRP2A52/UK.FB2 <b>£202.00</b>
Optional pcb for connection to ModBus (2 stopbit)	EKFCMBCB <b>£55.00</b>
2-Way on / off valve kit	EKMV2C09B <b>£58.00</b>
3-Way on / off valve kit	EKMV3C09B <b>£64.00</b>
Valve control PCB	EKRP1C11 <b>£100.00</b>

FWC only	FWC only
Wireless remote control heat pump	BRC7FA532F <b>£152.00</b>
Wireless remote control cooling only	BRC7F533F <b>£121.00</b>
Remote air sensor	KRCS01-4 <b>£42.00</b>
Installation box for an EKRP1C11 valve PCB	KRP1H98 <b>£37.00</b>
FWF only	FWF only
Wireless remote control heat pump	BRC7E530 <b>£121.00</b>
Wireless remote control cooling only	BRC7E531 <b>£121.00</b>
Remote air sensor	KRCS01-1 <b>£46.00</b>
Remote on/off control interface kit	EKRORO <b>£16.00</b>
Installation box for an EKRP1C11 valve PCB	KRP1BA101 <b>£45.00</b>

## Notes:

- FWF and FWC Cassette Fan Coil prices include decoration panel
- It is not possible to use Intelligent Touch control for combination with both VRV and water based fan coils
 

**FWF-Valve control requirements**  
2 pipe unit: 1 x valve kit + 1 x installation box for PCB KRP1BA101 + 1 x valve control PCB EKRP1C11

4 pipe unit: 2 x valve kit + 1 x installation box for PCB KRP1BA101 + 1 x valve control PCB EKRP1C11

**FWC-Valve control requirements**  
2 pipe unit: 1 x valve kit + 1 x installation box for PCB KRP1H98 + 1 x valve control PCB EKRP1C11

4 pipe unit: 2 x valve kit + 1 x installation box for PCB KRP1H98 + 1 x valve control PCB EKRP1C11

## AC Fan Motor - 3 speed

# Wall Mounted Fan Coil Units



Cased High Wall Mount Type 2-pipe			FWT02CT	FWT03CT	FWT04CT	FWT05CT	FWT06CT
Capacity	UK Total Cooling	kW	1.59	1.67	2.1	2.9	3.41
	Nominal Cooling	kW	2.43	2.7	3.31	4.54	5.28
	Nominal Heating	kW	3.22	3.52	4.4	6.01	7.33
Dimensions	Height	mm	288	288	288	310	310
	Width	mm	800	800	800	1065	1065
	Depth	mm	206	206	206	224	224
Weight		kg	10	10	10	15	15
Sound Power	High / Low	dBA	45/36	48/39	55/45	55/47	59/51
Sound Pressure	High / Low	dBA	34/25	35/25	42/32	42/34	42/39
Air Flow Rate	High	m <sup>3</sup> /min	7.36	7.93	10.48	14.43	17.55
Water Connections		inch	1/2	1/2	1/2	1/2	1/2
Electrical Data	Power Supply		1ph				
<b>Trade Fan Coil Price</b>			<b>£192.00</b>	<b>£199.00</b>	<b>£228.00</b>	<b>£276.00</b>	<b>£294.00</b>

## Loose Accessory Options:

FWT	FWT
Standard wired remote controller	MERCA <b>£74.00</b>
Simplified wired remote controller	SRC-HPA <b>£39.00</b>
Wireless controller for heat pump	WRC-HPC <b>£15.00</b>

## Notes:

- FWT fan coils are optimised for valveless control in cooling. We would recommend that a valve is fitted if being used for heating only and for more precise control in cooling.
- We would recommend the field supply of a 240V - 4 port 3 way valve complete with 240V actuator.

## Daikin Air Handling Units



Daikin air handling units, with their plug-and-play design and inherent flexibility, can be configured and combined specifically to meet the exact requirements of any building, no matter what it is used for, or who is to work there. Our systems are designed to be the most environmentally friendly and the most energy efficient on the market, thus reducing their ecological impact, while, at the same time, keeping costs down through the minimisation of energy consumption.

When combined with the small physical footprint of the system, these features make our air handling units ideal for all markets.

# Air Handling Units

## Modular AHU with high efficiency heat recovery

### Energy efficiency and indoor air quality

- > Predefined sizes
- > IE4 premium efficiency motor
- > High efficiency heat wheel (heat recovery)
- > Compact design
- > Advanced control features
- > Easy installation
- > Indoor air quality compliant with VDI 6022 hygiene guideline
- > Operating limits from -25 °C, -40 °C with electric heaters, up to +46 °C ambient temperature
- > VRV IV and ERQ coupling capability
- > Indoor and outdoor versions
- > Free cooling capability
- > Economy and Night mode operation
- > Monitoring and control through Daikin ITM



### EC fan

- > Air flow or pressure control  
(Variable Air Volume – Constant Air Volume)
- > Nominal air flow programmed at factory
- > Silent operation

### Simple, quick installation

The Modular series' Plug & Play design is more than just a convenient feature for installers. It offers cost-saving benefits as there is no need for expensive adjustments before the unit is commissioned. Plug & Play makes everyone's life simpler, safer and more economical.

	Size	1	2	3	4	5	6	7	8	9	10
Unit Nominal Performances (Main Module)	Airflow [m³/h]	1200	1700	2700	4100	5500	6100	7000	9100	11500	15000
	Temp efficiency winter [%]	81.3	81.1	81.4	81.6	82.6	81.2	82.7	81.4	81.5	83.2
	ESP nominal [Pa]	200	200	200	200	200	200	200	200	200	200
	Current nominal [A]	2.66	3.9	6.3	2.98	4	4.74	4.76	5.54	8.72	10.2
	Power input nominal [kW]	0.62	0.89	1.5	1.98	2.68	2.96	3.3	3.76	5.48	7.04
	SFPv [kW/m³/s]	1.87	1.89	1.99	1.74	1.75	1.75	1.7	1.49	1.72	1.69
	Electrical supply [V-ph-Hz]	230-1-50	230-1-50	230-1-50	400-3+N-50	400-3+N-50	400-3+N-50	400-3+N-50	400-3+N-50	400-3+N-50	400-3+N-50
	Lenght [mm]	1700	1700	1800	1920	2080	2280	2400	2450	2280	2400
	Depth [mm]	720	820	990	1200	1400	1400	1600	1940	1940	2300
	Height overall [mm]	1320	1320	1540	1740	1740	1920	1920	2180	2460	2570
	Weight [kg]	325	350	475	575	750	790	950	1330	1410	1750
	Sound level - Lp dB(A)*	40	42	42	45	46	44	43	43	45	45

\* Sound pressure level radiated from unit at 1 meter and according to ISO 3744 (supply outlet ducted)

Main Unit	Size	1	2	3	4	5	6	7	8	9	10
	Main Module	£7,228.00	£7,487.00	£8,415.00	£9,240.00	£10,066.00	£10,724.00	£11,872.00	£13,835.00	£15,882.00	£17,797.00

\* Price includes G4/G7 filtration, Mineral Wool Insulation, Aluzinc internal skin and Aluzinc or Pre-Painted external skin

Coil Module	Size		1	2	3	4	5	6	7	8	9	10
	Mode	Coil's Row										
	Cooling	6	£1,139.00	£1,251.00	£1,471.00	£1,755.00	£1,979.00	£2,377.00	£2,059.00	£2,684.00	£2,901.00	£3,365.00
Cooling+Heating	6 + 2	£1,624.00	£1,750.00	£2,003.00	£2,401.00	£2,661.00	£3,098.00	£2,815.00	£3,529.00	£3,480.00	£4,816.00	
DX HP	4	£1,431.00	£1,480.00	£1,626.00	£2,428.00	£2,539.00	£2,726.00	-	-	-	-	

Mixing Box	Size	1	2	3	4	5	6	7	8	9	10
	Three way mixing box		£606.00	£616.00	£661.00	£750.00	£797.00	£820.00	£948.00	£1,079.00	£1,175.00

Roof	Size	1	2	3	4	5	6	7	8	9	10
	Outdoor Kit (Roof)		£145.00	£159.00	£194.00	£246.00	£316.00	£332.00	£367.00	£447.00	£475.00

Filter Stage	Size	1	2	3	4	5	6	7	8	9	10	
	M6 Filter (to replace G3 or G4)		£79.00	£79.00	£133.00	£157.00	£211.00	£211.00	£236.00	£377.00	£377.00	£505.00
	Additional Filtration Module F9 front withdrawal		£799.00	£822.00	£963.00	£1,117.00	£1,231.00	£1,346.00	£1,569.00	£1,852.00	£2,171.00	£2,306.00

Heat Wheel	Size	1	2	3	4	5	6	7	8	9	10
	Sorption Type (to replace sensible type on main module)		£695.00	£789.00	£998.00	£1,319.00	£1,504.00	£1,618.00	£1,936.00	£2,199.00	£2,627.00

Coms Module	Size	1	2	3	4	5	6	7	8	9	10
	Bacnet Module (for ITM Daikin)										

Please contact your local sales office for further information on selection at different working conditions and matched Daikin ERQ & VRV IV condenser units for DX applications



# Air Handling Units

## Modular AHU application with Daikin DX condensers

### Daikin fresh air package

The Daikin fresh air package provides a complete solution, including all unit controls (expansion valve, control box and AHU controller) and sensors factory mounted and configured.

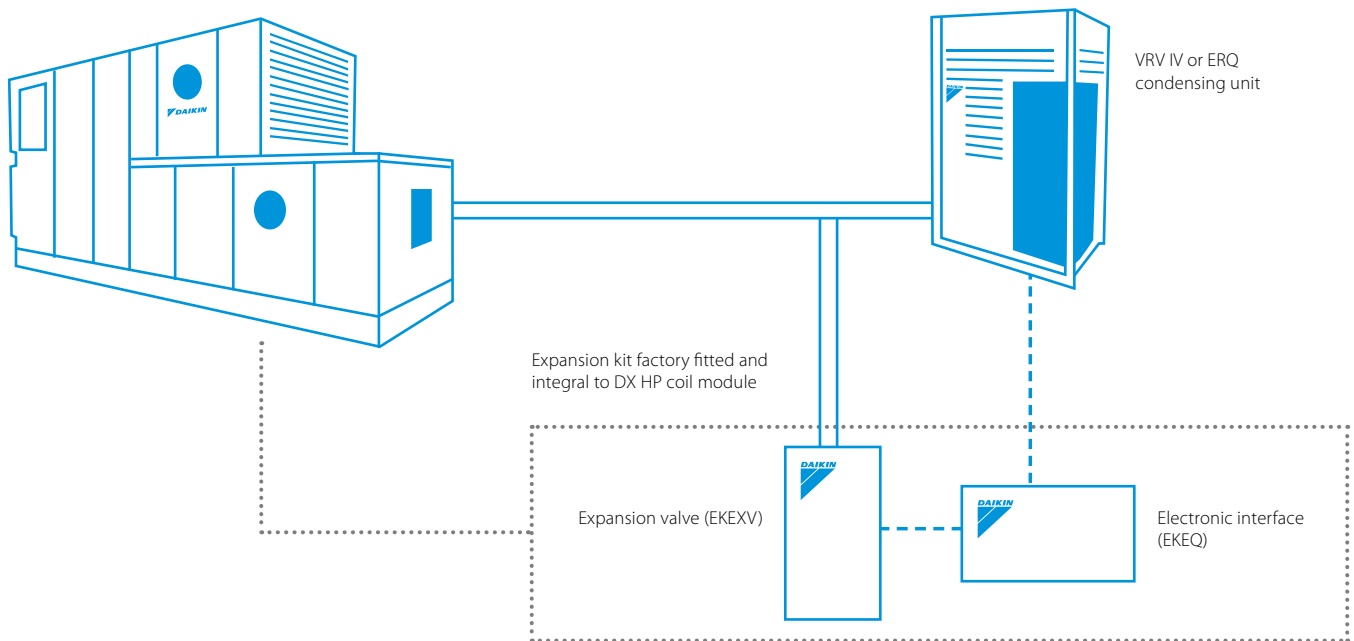
This unique solution allows for plug and play connection of our AHU series to Daikin ERQ and VRV condensing units.

### High efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a heat recovery system is even more effective since an office system can frequently be in cooling mode while the outdoor air is too cold to be brought inside in an unconditioned state. In this case heat from the offices is merely transferred to heat up the cold incoming fresh air.

### High comfort levels

Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resultant high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.



Please refer to pricing of our VRV IV (pages 71 - 73 and pages 76 - 83 and page 95) and ERQ (Page 52) inverter driven condensing unit ranges which are compatible with the Modular AHU.



## Daikin UK Price List 2016

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**NEW PRICING**

# Delivery Information

Delivery Type	Time	New Pricing	Order processing Deadline
<b>Standard Delivery - Weekday</b> (excluding Spares)			
Next Day Delivery	08:00 - 17:00	<b>Free of Charge</b>	Order processed by 14.00 the previous working day
<b>Timed Delivery - weekday</b> (excluding Spares)			
Before 13:00	08:00 - 13:00	<b>£50.00</b>	Order processed by 14.00 the previous working day
After 12:30	12:30 - 17:00	<b>£45.00</b>	Order processed by 14.00 the previous working day
Time specific normal hours	Between 08:00 - 17:00	<b>£220.00</b>	Requires two working days' notice
Time specific out of hours	Before 08:00 & after 17:00	<b>£390.00</b>	Requires two working days' notice
Sameday (geographical restrictions apply)		<b>£220.00</b>	Order processed by 11:00
<b>Weekend Deliveries</b>			
Saturday /Sunday time specific		<b>£390.00</b>	Requires two working days' notice
Saturday Delivery <15kg	07:00 - 18:00	<b>£35.00</b>	Requires two working days' notice
Saturday Delivery >15kg	08:00 - 17:00	<b>£110.00</b>	Requires two working days' notice
Public Holidays	-	<b>Variable</b>	Requests processed on an individual basis
<b>Spare Parts Delivery Service</b>			
<b>Next Day Delivery - Weekday</b>			
Online orders	07:00 - 18:00	<b>Free of Charge</b>	Orders received by 14:00 previous working day
Next Day Delivery <20Kg	07:00 - 18:00	<b>£7.50</b>	Orders received by 14:00 previous working day
Next Day Delivery >20Kg	07:00 - 18:00	<b>£60.00</b>	Orders received by 14:00 previous working day
Before 13:00	07:00 - 13:00	<b>£90.00</b>	Orders received by 14:00 previous working day
<b>Weekend Deliveries</b>			
Saturday Delivery <20kg	07:00 - 18:00	<b>£35.00</b>	Orders received by 14:00 previous working day
Saturday Delivery >20kg	07:00 - 18:00	<b>£60.00</b>	Orders received by 14:00 previous working day
<b>Special Vehicle - Weekday / Weekend</b>			
Hiab: kerbside drop	-	<b>From £390.00</b>	Requires two working days' notice
FORS (fleet operator recognition scheme)		<b>From £390.00</b>	Requires two working days' notice
Flat Bed		<b>From £390.00</b>	Requires two working days' notice
Two man delivery service		<b>From £390.00</b>	Requires two working days' notice

\* Information available from your local Daikin Sales Order Support team.

**Notes:**

- > Weekday hours: Monday - Friday 08:00 - 17:00
- > Out of Hours: before 08:00 or after 17:00
- > 98% of UK mainland postcodes are covered under the Next Day delivery service
- > Standard delivery will normally be made by a single driver on an 18T rigid lorry equipped with tail lift and pump truck. Alternative sized vehicles may be utilised from time to time. If you face site restriction at your nominated delivery address and a vehicle other than an 18T rigid lorry is required, notification is needed two working days prior to delivery
- > Next day delivery is subject to postcode restrictions, full details of delivery areas can be obtained from the business portal on [my.daikin.co.uk](http://my.daikin.co.uk) (deliveries to Scotland, Off shore UK Islands, Northern Ireland and the ROI may be subject to 2 to 5 day delivery routes)
- > Time specific deliveries are +/- 30 minutes from the requested time
- > Hiab pricing (vehicle with lifting arm) is based on kerbside drop. Deliveries requiring further lifting capabilities or outside of normal hours (08:00 - 17:00) may incur additional charges. Prices can be requested at time of order
- > Two man deliveries can be requested for heavier items and deliveries above ground level
- > Delivery address, site contact name and number are required for every delivery
- > Our drivers are not permitted to make part delivery against a delivery note. Additional charges may apply for refused deliveries



# Goods Returns Procedure

## Daikin UK policy for acceptable returned goods

### Goods returns timescales

Daikin UK allows returned goods within the following timescales:

**Units & accessories:** 10 working days from date of invoice

**Spare Parts:** 1 month from date of invoice

Within these timescales, Daikin may accept unwanted goods provided they are boxed in the original packaging, in perfect condition and have not been used.

### Arranging goods returns

To arrange the process of returning goods, please complete a Goods Returns Form available from [my.daikin.co.uk](http://my.daikin.co.uk) and fax or email:

**Units & Accessories:**

**Fax:** 0845 641 9150 or **email:** [returns@daikin.co.uk](mailto:returns@daikin.co.uk)

**Spare Parts:**

**Fax:** 0845 641 9299 or **email:** [spares@daikin.co.uk](mailto:spares@daikin.co.uk)

### Conditions of returned goods

All returned items are subject to a minimum 20% restocking/administration charge with the following collection charges applied to the final credit:

Collected goods up to 15KG: **£15**

Collected goods over 16KG: **£90**

All returned goods will be fully inspected by our technical engineers. If returned goods are in a non-satisfactory condition then Daikin reserves the right to decline the return or apply an increase to the restocking charge.

### Damaged items

Daikin will only accept claims for damages when the goods have been signed for as damaged on the delivery note and you have notified Daikin Returns Team within three working days of delivery. If you identify damage at point of delivery, you are entitled to refuse the delivery and contact us to arrange for a new unit to be sent out.

If after unpacking the units, you identify damage, claims must be reported within three working days from the delivery date to Daikin Returns Team along with photographs of the damage.

### What happens next

Once the Goods Return Form is received, an email will be sent to the confirmation email address provided notifying you of the goods for collection and a date for this to be carried out. If you have any queries regarding this date please respond to the email address provided as soon as possible.

Once inspected and confirmation is received that the goods are in perfect condition, a credit will be raised against the original invoice.

\*Please note returns for chillers and made to order units will not be accepted\*

### Goods covered by warranty

Once a unit has been installed and commissioned, any faults or breakdowns that occur should be reported to our warranty department on:

**Telephone:** 0845 641 9275 or **email:** [warranty@daikin.co.uk](mailto:warranty@daikin.co.uk)



# The Daikin UK Service Department

The Daikin UK Service department supplies a range of services to support our customers.

## Pre-installation, commissioning and project support

### Workshop

In our workshop in Bristol we modify standard Daikin equipment to current specifications in order to meet our clients' needs. We can offer bespoke modifications to suit your exact requirements – please speak to your sales engineer to discuss how we can help you.

#### Typical modifications include:

- > Creating weather-proof enclosures for VAM Total Heat Exchangers. See page 111
- > Repainting indoor and outdoor units. For VRV units, see page 69, for Sky units see page 41
- > Customisation of controls
- > Removing flair connections
- > Strip and rebuilds. See page 69
- > Blygolding. See below.

### Strip and rebuild

Strip and rebuild offers the benefit of time and cost savings by having VRV outdoor units delivered to site in portable components, so they can be transported to the roof without the need for cranes and road closure applications.

For more information, see page 69.

### Blygold treatment for heat exchangers

Daikin UK can offer additional treatment for Heat Exchangers to protect against corrosion and pollution, ensuring the long term efficiency of the units.

We can apply a Blygold treatment to the coil and fins. This is recommended for salt laden air (coastal) projects or areas in which high levels of pollutants can create a barrier between the air and the heat exchanger.

**Lead time:** 2-3 weeks

**Applicable units:** All Condensers

Unit	Treatment Price (Excludes Unit Price)
Split Unit	£490.00
SkyAir 71-140 Class	£540.00
SkyAir 200-250 class	£610.00
VRV Outdoor	£725.00

### Commissioning

Daikin UK offers a full commissioning service, which includes the charging of additional refrigerant, setting up of all Daikin control systems, operation testing and validation. A detailed commissioning report is produced per system to aid you with handover of the project. If you require dedicated support throughout your project, we can now offer an extended service to meet all your project requirements.

### Dedicated project support

For larger projects, Daikin UK Service department offers complete Project Support from the point of order to system handover. Our service engineers will assist you throughout the project, providing a dedicated contact for technical queries and support, installation checks and commissioning.

As part of our Project Support service, we conduct surveys during the installation to ensure it is installed to our specification and rules, witness the strength/pressure test on the DX side, evacuate the systems, charge with any additional refrigerant and configure any ITM controls prior to commissioning.

#### Prior to project commencement, our service engineer will meet with you to:

- > Discuss project time scales and schedule Daikin UK engineer attendances
- > Discuss potential installation restrictions/issues
- > Identify potential issues and give advice on how to avoid
- > Source copies of the site drawings

Our service engineer will liaise with you throughout the project to agree sign off dates, commissioning dates and schedules. We will then commission the system, ensuring all systems are operating correctly according to the site requirements.

#### Upon completion, a commissioning booklet is produced including:

- > Installation Certification Reports – number of reports depends on number of checks
- > Pressure/Strength Test Certificate
- > Evacuation Verification Certificate
- > Commissioning Reports
- > F-Gas Log

If you would like Daikin UK Project Support, please speak to your sales engineer who will liaise with service management team to assign you a dedicated service engineer.

## Post-installation, spare parts and service support

### Aftersales technical helpdesk

This invaluable service offers technical support and guidance when you are experiencing on-site problems when commissioning or diagnosing faults. Final diagnosis is the responsibility of the site engineer.

Your calls will be answered by Daikin trained engineers. To help provide a quick and efficient response, please make sure you have the full model number of the unit. It is important to remind you that using the D1/D1+ PIN number gives you priority access to our engineers.

#### For support with Air Conditioning systems, please contact:

Tel 0845 641 9200  
Mon - Fri 8.30 - 17.30

#### For support with Heating systems, please contact:

Tel 0845 641 9277  
Mon - Fri 8.30 - 20.00 & Sat 9.00 - 15.00

Email [technicalhelp@daikin.co.uk](mailto:technicalhelp@daikin.co.uk)  
SMS Fault Code Service 07797 801908

If you need an explanation and remedy on a fault code and haven't got your service manual, just send the fault code to our SMS message service and we will advise you by return.

### Maintenance contracts

**Commercial customers:** if you would like Daikin UK to support you with commercial maintenance contracts, we can offer a full service package, including 24 hour support, for account holding customers.

**Domestic heating customers:** Daikin UK offers comprehensive heat pump maintenance as a premium after care service for Daikin Altherma systems. All parts, labour and call-outs are covered in the unlikely event of a heating or hot water failure.\*

For total comfort and peace of mind, this heat pump maintenance package also includes an annual maintenance visit, to help keep your customers' systems running efficiently throughout the year and minimise the risk of any breakdowns.

Daikin UK also offers a basic heat pump maintenance package, which entitles you to an annual maintenance visit, during which our engineer will ensure that your Altherma heat pump is operating within the optimum conditions to maximise energy efficiency. Any potential issue can be dealt with by a Daikin engineer. You will also be entitled to a discount on the cost of spare parts and labour.

\*subject to t&c's

### Spare parts

When a component fails, Daikin has over 13,000 spare parts based in the UK, supported by our European parts centre with 700,000 parts. This helps us to achieve our target of delivering 97% of critical A parts within two days.

#### To contact the Spares team directly

Tel 0845 641 9230  
Fax 0845 641 9299  
Email [spares@daikin.co.uk](mailto:spares@daikin.co.uk)

**If you hold a direct account with Daikin UK, you can send and view your spare parts orders online using our Spare Parts Bank – available 24 hours a day, 365 days a year. Plus, there are no delivery charges on orders placed via the Spare Parts Bank, which is equivalent to almost 5% extra discount.**

To register for Spare Parts Bank go to [www.daikin.co.uk/spares](http://www.daikin.co.uk/spares)

### Service support on-site

We can provide service engineers to assist you with on-site commissioning or service support. All work is documented in a report and sent for your records. So that we can give you the best service possible, it is important to ensure that you are in attendance at that time.

**To book an engineer,** please contact the Regional Service office closest to the site where your equipment is installed:

Eastern Region Service Centre		
Phone number	Operating Hours	Email address
0845 641 9274	Mon - Fri: 09.00 to 17.00	<a href="mailto:weybridgeservice@daikin.co.uk">weybridgeservice@daikin.co.uk</a>
Western Region Service Centre		
Phone number	Operating Hours	Email address
0845 641 9278	Mon - Fri: 09.00 to 17.00	<a href="mailto:bristolservice@daikin.co.uk">bristolservice@daikin.co.uk</a>
Northern Region Service Centre		
Phone number	Operating Hours	Email address
0845 641 9279	Mon - Fri: 09.00 to 17.00	<a href="mailto:glasgowservice@daikin.co.uk">glasgowservice@daikin.co.uk</a>

### Energy monitoring and auditing

Daikin UK offers an increasing range of energy monitoring and auditing services, plus remote monitoring and prediction solutions (DNSS). Please ask your sales engineer if you have a project that you think may be suitable for including in an energy monitoring and auditing trial.

## Daikin UK warranties

Daikin UK offers a range of warranties and extended warranties for our Air Conditioning, Applied, Refrigeration and Heating equipment.

Our warranties have been designed to meet the needs of our customers and, as such, offer different terms for customers belonging to our D1 partner programme, KEY heating installer scheme and customers belonging to neither D1 nor KEY.

Our KEY heating installer scheme offers end-user warranties for our domestic heating customers. Please see [key.daikin.co.uk](http://key.daikin.co.uk) for more information.

For all other customers - whether D1, D1+ or not yet a D1 partner - we offer a commercial warranty. From April 2016, commercial warranties are held between the installing contractor and Daikin UK only (non transferable).

For detail on our warranties and how to claim, please see [www.daikin.co.uk](http://www.daikin.co.uk) or visit our business portal [my.daikin.co.uk](http://my.daikin.co.uk) for more information.

## Making a warranty claim

If you have a component failure and it is within the warranty period then we are here to help. After you have spoken to our Technical Helpdesk to confirm diagnosis, you can simply contact the warranty team.

### Contact the warranty team on:

Tel 0845 641 9275

Fax 0845 641 9299

Email [warranty@daikin.co.uk](mailto:warranty@daikin.co.uk)



# Daikin Service Tools

## Daikin Service App

The Daikin Service Application supports service engineers working with Daikin VRV Equipment.



**It's available for both android and iPhone devices.**

The application covers various functions to help field engineers to fault-find Daikin VRV equipment. Service App functions include:

### Android functions

Fault Codes  
VRV Additional Charge Calculation  
Replacement PCB Dip Switch Settings  
Pressure Transducer and Temperature Thermistor Checks

Outdoor Unit field settings include:  
Fan Coil and BSVQ Box Count Check  
Refrigerant Recovery Setting  
Outdoor Unit Emergency Modes  
VRV III & IV Short Test Run

There is also Daikin Altherma support for:  
Fault Codes  
Additional Refrigerant Charges  
C Series Altherma Field Settings  
Dip Switch Settings and much more...

### iPhone functions

Fault Codes  
VRV Additional Charge Calculation  
Replacement PCB Dip Switch Settings  
Pressure Transducer and Temperature Thermistor Checks

Outdoor Unit field settings include:  
Fan Coil and BSVQ Box Count Check  
Refrigerant Recovery Setting  
Outdoor Unit Emergency Modes  
VRV III Short Test Run

To download the Apps go to:

#### Android:

<https://play.google.com/store/apps/details?id=com.daikin.aircon&hl=en>

#### iPhone:

<https://itunes.apple.com/us/app/daikin-service/id571282882?mt=8>

## Service checker (part no. 999165T)

The service checker type 3 can read and record the operational data from various Daikin equipment. This data consists of thermistor readings, pressure sensor values, solenoid valve operation, expansion valve pulses, operation modes etc.

Software version 1.53 or later is required for connection to VRV IV systems.



## DChecker

The DChecker is a service tool used to capture operational data from the following equipment, Split-Multisplit, Sky-Air & Altherma products. This will record and graph all sensor data, PCB inputs & outputs from indoor and outdoor units. From the operational data this will help to identify any operational issue.

Please note the DChecker is a USB interface which provides a direct wired link to the main PCBs and enables real-time data to be viewed on a laptop running windows. Software included.

## Inverter analyser RS UK0917A (part no. 136 8521)

The inverter analyser can be used to check the inverter outputs on all VRV models (can also be used on various Split & Sky Air units).

# Daikin UK's Customer Training

During 2016 we will continue to further invest in all our regional training centres, hands-on training facilities and online resources, to ensure that the training you receive is relevant to the ever-changing market. By doing so, we aim to help you provide your customers with the highest quality Installation, commissioning, maintenance, service and fault-finding support.

## Leading the way in R32 and R410A training

New hands-on training rigs for R410A or R32 Split systems are now situated in all Daikin UK training centres. Purpose built R410A Sky Air product training rigs can also be found at both our Woking and Birmingham centres from March 2016. Attendees on our training courses will get the opportunity to improve their operational product knowledge and practice fault finding hands-on.

With the introduction of R32 products into the UK market, and the popularity of R32 training courses to date, we will be investing further in our Woking Technology Centre during 2016, so that we can offer hands-on R32 product installation and commissioning courses.

## New Birmingham training centre

Adjacent to our new Birmingham sales office, the Birmingham training centre covers an area of over 200m<sup>2</sup> and provides hands on training on the latest Split, VRV, Altherma and control systems.

## Woking Technology Centre

The Technology Centre in Woking is Daikin's largest training facility in the UK, over two floors, covering an area close to 1000m<sup>2</sup>.

The facility is able to hold three training events at one time, with additional equipment demonstration facilities and a dedicated suite for conducting Web based live training events.

The centre includes VRV Heat Recovery, VRV Heat Pump, Water Cooled VRV, R22 Replacement VRV-Q, as well as a variety of Split and Sky Air systems. A specially designed controls section has been constructed to demonstrate the many different configuration possibilities of individual and central controls together with the many BMS interface options.

The first floor is dedicated to Heating products with eight individual working bays containing a wide selection of systems to allow for practical hands-on training of commissioning and fault diagnosis. The award winning Altherma Hybrid system is installed in each of these eight bays, so every attendee receives the highest quality product training experience.

To find out when courses are scheduled at regional Daikin UK regional training centres and at PGL Training, check availability and book a place: please go to the Daikin UK booking web site at [www.daikintraining.co.uk](http://www.daikintraining.co.uk)

## Daikin UK training centres

### 1 Bristol

Daikin Airconditioning UK Limited  
Maple House, Brotherswood Court,  
Great Park Road, Almondsbury,  
Bristol BS32 4QW

### 2 Woking

Daikin Airconditioning UK Limited  
21 Woking Business Park, Albert Drive,  
Woking, Surrey GU21 5JY

### 3 Birmingham

Daikin Airconditioning UK Limited  
2470 Regents Court, The Crescent,  
Birmingham Business Park,  
Birmingham B37 7YE

### 4 Manchester

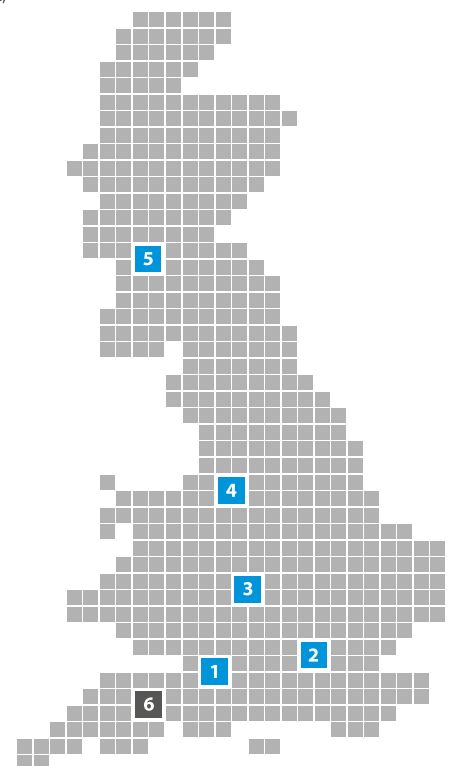
Daikin Airconditioning UK Limited  
17b Cobra Court, Blackmore Road,  
Manchester M32 0QY

### 5 Glasgow

Daikin Airconditioning UK Limited  
Unit 2, Glasgow Airport Business Park,  
Marchburn Drive, Paisley PA3 2SJ

### 6 PGL Training

Clyst Works, Clyst Road, Topsham,  
Exeter EX3 0DB



## Online short courses

For anyone operating in the HVACR market, the skills and knowledge required is getting greater every year. Daikin UK recognises our training needs to keep pace with the demands on people working in the industry – not least the pressures on your time. So we are continually looking at new and innovative ways to deliver the training you need.

During 2016 we are introducing a wider range of courses, together with new web based short courses available on whichever online or mobile platform you prefer.

Within our new Woking Technology Centre we have installed a web based broadcast facility. From here we can provide short courses across a range of subjects. The majority of these will also be recorded and made available through our training website.

Our new courses will cover more application and design subjects, legislation, technical topics and also personal development areas such as presentation and selling skills.

In response to valued customer feed back, we will also be introducing short online refresher courses on specific products, where previous product course attendance pre-requisites have been fulfilled.

Users can register as an individual to undertake web based training and each user has a training account that enables them to review past training they have undertaken and print off training records and certificates.

As these courses become available it will be possible to reserve places at [www.daikintraining.co.uk](http://www.daikintraining.co.uk). We will announce more specific details throughout the year.



# Climate Controls & Spares

## Conditions of Sale

### 1 Interpretation

#### 1(a) In these Conditions:-

'Buyer' means the corporation, firm, company, institution, person or persons to whom a quotation is made or to whom goods are sold by the company;

'Goods' means the goods which the Seller is to supply in accordance with these Conditions;

'Seller' means Climate Controls and Spares UK Ltd (Company Registration No: 6847224)

'Conditions' means the standard terms and conditions of sale set out in this document and (unless the context otherwise requires) includes any special terms and conditions agreed in writing between the Buyer and the Seller;

'Contract' means the contract for the purchase and sale of the Goods;

'Writing' includes letter, email and facsimile transmission;

**1(b)** Any reference in these Conditions to any provision of a statute shall be construed as a reference to that provision as amended, re-enacted or extended at the relevant time.

**1(c)** The headings in these Conditions are for convenience only and shall not affect their interpretation.

### 2 Basis of the Sale

**2(a)** The Seller shall sell and the Buyer shall purchase the Goods in accordance with any written quotation of the Seller which is accepted by the Buyer, or any written order of the Buyer which is accepted by the Seller, subject in either case to these Conditions, which shall govern the Contract to the exclusion of any other terms and conditions subject to which any such quotation is accepted or purported to be accepted, or any such order is made or purported to be made by the Buyer.

**2(b)** No variation to these Conditions shall be binding unless agreed in Writing between the authorised representatives of the Buyer and the Seller.

**2(c)** The Seller's employees or agents are not authorised to make any representation concerning the Goods unless confirmed by the Seller in Writing. In entering into the Contract the Buyer acknowledges that it does not rely on, and waives any claim for breach of any such representations which are not so confirmed.

**2(d)** Any advice or recommendation given by the Seller or its employees or agents to the Buyer or its employees or agents as to the storage, application or use of the Goods which is not confirmed in writing by the Seller is followed or acted upon entirely at the Buyer's own risk, and accordingly the Seller shall not be liable for any such advice or recommendation which is not so confirmed.

**2(e)** Any typographical, clerical or other error or omission in any sales literature, quotation, price list, acceptance of offer, invoice or other document or information issued by the Seller shall be subject to correction without any liability on the part of the Seller.

### 3 Orders and specification

**3(a)** No order submitted by the Buyer shall be deemed to be accepted by the Seller unless and until confirmed in Writing by the Seller.

**3(b)** The Buyer shall be responsible to the Seller for ensuring the accuracy of the terms of any order (including any applicable specification) submitted by the Buyer, and for giving the Seller any necessary information relating to the Goods within a reasonable time to enable the Seller to perform the Contract in accordance with its terms.

**3(c)** The quantity, quality and description of and any specification for the Goods shall be those set out in the Seller's quotation or the Buyer's order (if accepted by the Seller).

**3(d)** If the Goods are to be manufactured or any process is to be applied to the Goods by the Seller in accordance with the specification submitted by the Buyer, the Buyer shall indemnify the Seller against all loss, damages, costs and expenses awarded against or incurred by the Seller in connection with or paid or agreed to be paid by the Seller in settlement of any claim for infringement of any patent, copyright, design, trade mark or other industrial or intellectual property rights of any other person which results from the Seller's use of the Buyer's specification. The Buyer will also fully indemnify the Seller in respect of all other loss, damages, costs and expenses incurred by the Seller and arising out of the supply of the Goods.

**3(e)** The Seller reserves the right to make any changes in the specification of the Goods which are required to conform with any applicable safety or other statutory requirement or, where the Goods are to be supplied to the Seller's specification, which do not materially affect their quality or performance.

**3(f)** No order which has been accepted by the Seller may be cancelled by the Buyer except with the agreement of the Seller and on terms that the Buyer shall indemnify the Seller with a percentage of the original quoted cost of the goods and with any other charges and expenses incurred by the Seller as a result of cancellation.

### 4 Price of goods

**4(a)** The price of goods shall be the Seller's quoted price. Where the price quoted is specified as fixed for a certain period of time the price will be as fixed provided delivery takes place within the period, unless the Buyer has requested a change in delivery date, quantity or specification for the Goods or delay is caused by any instruction of the Buyer or failure of the Buyer to give the Seller adequate information or instructions in which case the Seller may give notice to the Buyer in similar manner to the notice referred to in clause 4(b).

**4(b)** Where the price quoted is not specified as fixed for a certain period of time the Seller may, by giving notice to the Buyer at anytime before delivery increase the price of the Goods to reflect any increase in the cost to the Seller which is due to any factor beyond the control of the Seller or due to any increase caused by any of the events specified in clause 4(a).

**4(c)** All prices are given by the Seller on an ex-works basis, and where the Seller agrees to deliver the Goods otherwise than at the Seller's premises, the Buyer shall be liable to pay the Seller's charges for transport, packaging and insurance. All packaging will be subject to an additional charge.

**4(d)** The price is exclusive of any applicable value added tax, which the Buyer shall be additionally liable to pay to the Seller and shall be paid without any deductions or withholdings and without any right of set off and counterclaim.

### 5 Terms of payment

**5(a)** Subject to any special terms agreed in Writing between the Buyer and the Seller, the Seller shall be entitled to invoice the Buyer for the price of the Goods on or at anytime after delivery of the Goods, unless the Goods are to be collected by the Buyer or the Buyer wrongfully fails to take delivery of the Goods in which event the Seller shall be entitled to invoice the Buyer for the price at any time after the Seller has notified the Buyer that the Goods are ready for collection or (as the case may be) the Seller has tendered delivery of the Goods.

**5(b)** Provided the Seller shall have offered to and agreed credit facilities with the Buyer, the Buyer shall pay the price of the Goods in accordance with the Seller's terms of payment that are specified on the Seller's invoice, notwithstanding that delivery may not have taken place and the property in the Goods has not passed to the Buyer. If credit facilities have not been so agreed payment shall be due upon availability or (where the Goods are to be collected by the Buyer) upon the Seller notifying the Buyer that the goods are ready for collection or where the Seller wrongfully fails to take delivery of the Goods upon the Seller tendering delivery of the Goods. The time of payment of the price shall be of the essence of the Contract. Receipts for payment will be issued only upon request.

**5(c)** The Seller reserves the right to terminate any credit facilities upon notice to the Buyer, such notice having immediate effect where upon any monies owed to the Seller by the Buyer will become due for payment immediately.

**5(d)** If the Buyer fails to make any payment on the due date then, without prejudice to any other right or remedy available to the Seller, the Seller shall be entitled to:

5(d)1 cancel the contract or suspend any further deliveries to the Buyer

5(d)2 appropriate any payment made by the Buyer to such of the Goods (or the goods supplied under any other contract between the Buyer and the Seller) as the Seller may think fit (notwithstanding any purported appropriation by the Buyer) and charge the Buyer interest (both before and after any judgment) on the amount unpaid, at the rate of 8 per cent per annum above the Bank of England base rate from time to time, until payment in full is made.

### 6 Delivery

**6(a)** Delivery of the Goods shall be made by the Buyer collecting the Goods at the Seller's premises at anytime after the Seller has notified the Buyer that the Goods are ready for collection or, if some other place for delivery is agreed by the Seller, by the Seller delivering the Goods to that place.

**6(b)** Any dates quoted for delivery of the Goods are approximate only and the Seller shall not be liable for any delay in delivery of the Goods howsoever caused. Time for delivery shall not be of the essence unless previously agreed by the Seller in Writing. The Goods may be delivered by the Seller in advance of the quoted delivery date.

**6(c)** The Seller will not be liable for non-delivery or damage or shortages in the Goods unless:

**6(c)1** the Buyer notifies the Seller within three days of receipt of the Goods or in the event of non-delivery within three days of receipt of the invoice and

**6(c)2** a claim is made within 20 working days of such receipt and the Seller shall be permitted to inspect the Goods on the Buyer's premises.



**6(d)** Where the Goods are to be delivered in instalments, each delivery shall constitute a separate contract and failure by the Seller to deliver any one or more of the instalments in accordance with these conditions or any claim by the Buyer in respect of any one or more instalment shall not entitle the Buyer to treat the Contract as a whole as repudiated.

**6(e)** If the Seller fails to deliver the Goods for any reason other than any cause beyond the Seller's reasonable control or the Buyer's fault, and the Seller is accordingly liable to the Buyer, the Seller's liability shall be limited to the excess (if any) of the cost to the Buyer (in the cheapest available market) of similar goods to replace those not delivered over the price of the Goods.

**6(f)** If the Buyer fails to take delivery of the Goods or fails to give the Seller adequate delivery instructions at the time stated for delivery (otherwise than by reason of any cause beyond the Buyer's reasonable control or by reason of the Seller's fault) then, without prejudice to any other right or remedy available to the Seller, the Seller may:

**6(f1)** store the Goods until actual delivery and charge the Buyer for the reasonable costs (including the insurance) of storage, or

**6(f2)** after a reasonable period of time, sell the Goods at the best price readily obtainable and (after deducting all reasonable storage and selling expenses) account to the Buyer for the excess over the price under the Contract or charge the Buyer for any shortfall below the price under the Contract.

## 7 Returns

**7(a)** Goods to be returned from the Buyer to the Seller for any reason, shall be returned only upon authorisation from the Seller.

**7(b)** Goods returned by the Buyer to the Seller without authorisation from the Seller, shall not be accepted onto the Seller's premises. The Seller shall not be responsible for any costs incurred by the Buyer in this event.

**7(c)** Goods will only be considered (by the Seller) to be accepted for return providing the following conditions are met:

**7(c1)** the Goods have been purchased within 28 working days of the Buyer's request to return the Goods.

**7(c2)** the Goods have (at the Seller's opinion) in no way been used, misused or modified and are in their original packaging and are in an immediately re-saleable condition.

**7(d)** Goods that are specially manufactured or modified from their original condition in accordance with the Buyer's order cannot be returned.

**7(e)** Goods that are classed (at the Seller's opinion) as non-catalogue or specially ordered items cannot be returned.

**7(f)** Printed Circuit Board's (PCB's) and other items containing electronic components such as Digital Time Controls, Burner Sequence Controls etc. cannot be returned.

**7(g)** The Seller withholds the right to offer replacement, refund or repair of the Goods subject to the return of the Goods (at the Seller's Discretion) to the Seller's supplier or the manufacturer of the Goods for inspection and testing where necessary to deem the Goods are defective, or have become defective not as a result of any of the conditions as stated in clause 9(b2).

**7(h)** Any Goods accepted by the Seller will be subject to a handling charge.

## 8 Risk and property

**8(a)** Risk of damage to or loss of the Goods shall pass to the Buyer.

**8(a1)** in the case of Goods to be delivered at the Seller's premises, at the time when the Seller notifies the Buyer that the Goods are available for collection; or

**8(a2)** in the case of Goods to be delivered otherwise than at the Seller's premises, at the time of delivery or if the Buyer wrongfully fails to take delivery of the Goods, the time when the Seller has tendered delivery of the Goods.

**8(b)** Notwithstanding delivery and the passing of risk in the Goods, or any other provision of these Conditions, the title in the Goods shall not pass to the Buyer until the Seller has received in cash or cleared funds payment in full of the price of the Goods and all other Goods agreed to be sold by the Seller to the Buyer for which payment is then due.

**8(c)** Until such time as the title in the Goods passes to the Buyer, the Buyer shall hold the Goods as the Seller's fiduciary agent and bailee, and shall keep the Goods separate from those of the Buyer and third parties and properly stored, protected and insured and identified as the Seller's property. Until that time the Buyer shall be entitled to resell or use the Goods in the ordinary course of its business, but shall account to the Seller for the proceeds of sale or otherwise of the Goods, whether tangible or intangible. Including insurance proceeds, and shall keep all such proceeds separate from any monies or property of the Buyer and third parties and, in the case of tangible proceeds, property stored, protected and insured.

**8(d)** deliver up the Goods to the Seller and, if the Buyer fails to do so forthwith, to enter upon any premises of the Buyer or any third party where the Goods are stored and repossess the Goods.

**8(e)** The Buyer shall not be entitled to pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Seller, but if the Buyer does so all monies owing by the Buyer to the Seller shall (without prejudice to any other right or remedy of the Seller) forthwith become due and payable.

## 9 Warranties and liability

**9(a)** The Seller warrants that the Goods will be free from defects in materials and workmanship for a period of twelve months from delivery and will correspond with their specification at the time of delivery. If within twelve months from the date of delivery the Buyer shall notify the Seller in writing that a defect exists in the Goods and shall return the defective part at their own expense to the Seller and if the Seller is satisfied that such defect arose solely from faulty materials or workmanship of the Seller (or its suppliers in the case of Goods not manufactured by the Seller) the Seller will at its option replace, refund or repair the defective part. The Buyer will not be responsible for the cost of replaced items but will be responsible for the cost of labour where an item is repaired.

**9(b)** The above warranty is given by the Seller subject to the following conditions:

**9(b1)** the Seller shall be under no liability in respect of any defect in the Goods arising from any drawing, design or specification supplied by the Buyer.

**9(b2)** the Seller shall be under no liability in respect of any defect arising from fair wear and tear, wilful damage, negligence, abnormal working conditions (including but not limited to hiring out the Goods to third parties), failure to follow the Seller's instructions (whether oral or in writing), incorrect application, misuse, alteration or repair of the Goods without the Seller's approval. (In certain instances it will be necessary for the Seller to return the Goods to the Seller's supplier to verify that the Goods have not become defective due to any of the aforementioned reasons).

**9(b3)** the Seller shall be under no liability under the above warranty (or any warranty, condition or guarantee) if the total price for the Goods has not been paid by the due date for payment.

**9(c)** Subject as expressly provided in these Conditions, and except where the Goods are sold to a person dealing as a consumer (within the meaning of the Unfair Contract Terms Act 1977), all warranties, conditions or other terms implied by statute or common law are excluded to the fullest extent permitted by law.

**9(d)** Where the Goods are sold under a consumer transaction (as defined by the Consumer Transactions (Restriction on Statement Order 1976)) the statutory rights of the Buyer are not affected by these Conditions.

**9(e)** Except in respect of death or personal injury caused by the Seller's negligence, the Seller shall not be liable to the Buyer by reason of any representation, or any implied warranty, condition or other term, or any duty at common law, or under the express terms of the Contract, for any consequential loss or damage (whether for loss or profit or otherwise), costs, expenses or other claims for consequential compensation whatsoever (and whether caused by the negligence of the Seller, its employees or agents or otherwise) which arise out of or in connection with the supply of the Goods or their use or resale by the Buyer, except as expressly provided in these Conditions.

**9(f)** The Seller shall not be liable to the Buyer or be deemed to be in breach of the Contract by reason of any delay in performing or any failure to perform, any of the Seller's obligations in relation to the Goods, if the delay or failure was due to any cause beyond the Seller's reasonable control. Without prejudice to the generality of the foregoing, the following shall be regarded as causes beyond the Seller's reasonable control:

**9(f1)** Act of God, explosion, flood, tempest, fire or accident;

**9(f2)** war or threat of war, sabotage, insurrection, civil disturbance or requisition;

**9(f3)** acts, restrictions, regulations, bye-laws, prohibitions or measures of any kind on the part of any governmental, parliamentary or local authority;

**9(f4)** import or export regulations or embargoes;

**9(f5)** strikes, lock-outs or other industrial actions or trade disputes (whether involving employees of the Seller or a third party);

**9(f6)** difficulties in obtaining raw materials, labour, fuel, parts or machinery;

**9(f7)** power failure or breakdown in machinery;

## 10 Insolvency of Buyer

**10(a)** This clause applies if:

**10(a1)** the Buyer makes any voluntary arrangement with its creditors or becomes subject to an administration order or (being an individual or firm) becomes bankrupt or (being a company) goes into liquidations (otherwise than for the purpose of amalgamation or reconstruction), or

**10(a2)** an encumbrancer takes possession, or a receiver is appointed, of any of the property or assets of the Buyer, or

**10(a3)** the Buyer ceases, or threatens to cease, to carry on business; or

**10(a4)** the Seller reasonably apprehends that any of the events mentioned above is about to occur in relation to the Buyer and notifies the Buyer accordingly.

**10(b)** If this clause applies then, without prejudice to any other right or remedy available to the Seller, the Seller shall be entitled to cancel the Contract or suspend any further deliveries under the Contract without any liability to the Buyer, and if the Goods have been delivered but not paid for the price shall become immediately due and payable notwithstanding any previous agreement or arrangement to the contrary. In the event of non-payment to the Seller by the Buyer the Seller shall be entitled to recover the Goods under the provisions of the retention of title clause (Section 8).

## **11 General**

**11(a)** Any notice required or permitted to be given by either party to the other under these Conditions shall be in Writing addressed to that other party at its registered office or principal place of business

or such other address as may at the relevant time have been notified pursuant to this provision to the party giving the notice.

**11(b)** No waiver by the Seller of any breach of the Contract by the Buyer shall be considered as a waiver of any subsequent breach of the same or any other provision.

**11(c)** If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these Conditions and the remainder of the provision in question shall not be affected thereby.

**11(d)** The Contract shall be governed by the laws of England & Wales and the parties submit to the jurisdiction of the English courts.







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