

Product portfolio VRV



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OF BIM OBJECTS
FOR
VRV

Products overview **VRV**

Model	Product name	4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	30		
Air cooled - heat recovery	VRV IV heat recovery Best efficiency & comfort solution > Fully integrated solution with heat recovery for maximum efficiency > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains > "Free" heating and hot water through heat recovery > The perfect personal comfort for guests/tenants via simultaneous cooling and heating > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating > Allows technical cooling > Widest range of BS boxes on the market	REYQ-T VRV IV					●	●	●		●	●	●	●					
	VRV IV heat pump with continuous heating Daikin's optimum solution with top comfort > Continuous heating during defrost > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains > Connectable to stylish indoor units (Daikin Emura, Nexura) > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating	RYQ-T VRV IV					●	●	●		●	●	●	●					
	VRV IV heat pump without continuous heating Daikin's solution for comfort & low energy consumption > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains > Connectable to stylish indoor units (Daikin Emura, Nexura) > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQ-T(9) VRV IV					●	●	●		●	●	●	●					
	NEW VRV IV S series Compact The most compact VRV > Compact and lightweight single fan design saves space and is easy to install > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains > Either connect VRV of stylish indoor units (Daikin Emura, Nexura) > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSQ-TV1 VRV IV S-series Compact		●	●														
Air cooled - heat pump	NEW VRV IV S series Space saving solution without compromising on efficiency > Space saving trunk design for flexible installation > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains > Either connect VRV of stylish indoor units (Daikin Emura, Nexura) > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSQ-TV1/TY1 VRV IV S-series	TV1	●	●	●													
	NEW VRV IV heat pump for indoor installation The invisible VRV > Unique VRV heat pump for indoor installation > Total flexibility for any shop location and building type as the outdoor unit is invisible and split up in 2 parts > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation and Biddle air curtains	SB.RKXYQ-T* VRV IV i-series			●														
	VRV III heat pump, optimised for heating Where heating is priority without compromising on efficiency > Suitable for single source heating > Extended operation range down to -25°C in heating > Stable heating capacity and high efficiencies at low ambient temperatures	RTSYQ-PA VRV III C									●	●	●						
Replacement	VRV Classic Classic VRV configuration > For standard cooling & heating requirements > Connectable to VRV indoor units, controls and ventilation	RXYCQ-A VRV Classic								●	●	●	●						
	VRV III Q Quick & quality replacement for R-22 and R-407C systems > Cost-effective and fast replacement through re-use of existing piping > Drastically improve your comfort, efficiency and reliability > No interruption of daily business while replacing your system > Replace Daikin and other manufacturers systems safely	RQCEQ-P* VRV III Q										●	●	●	●	●	●	●	
	VRV IV Q Quick & quality replacement for R-22 and R-407C systems > Cost-effective and fast replacement through re-use of existing piping > Drastically improve your comfort, efficiency and reliability > No interruption of daily business while replacing your system > Replace Daikin and other manufacturers systems safely > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQ-T* VRV IV Q-series			●		●	●	●		●	●	●	●					
Water cooled VRV IV Ideal for high rise buildings, using water as heat source > Reduced CO ₂ emissions thanks to the use of geothermal energy as a renewable energy source > No need for an external heating or cooling source when used in geothermal mode > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains > Compact & lightweight design can be stacked for maximum space saving > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature > Variable Water Flow control option increases flexibility and control	RWEYQ-T8* VRV IV W-series					●	●	●											

* Not Eurovent certified

● Single unit
● Multi combination

Products overview **VRV**

Capacity class (kW)

Type	Model	Product name	15	20	25	32	40	50	63	71	80	100	125	140	200	250		
Ceiling mounted cassette	UNIQUE Round flow cassette 360° air discharge for optimum efficiency and comfort > Auto cleaning function ensures high efficiency > Intelligent sensors save energy and maximize comfort > Flexibility to suit every room layout > Lowest installation height in the market! 	FXFQ-A		•	•	•	•	•	•			•	•	•				
	UNIQUE Fully flat cassette Unique design that integrates fully flat into the ceiling > Perfect integration in standard architectural ceiling tiles > Blend of iconic design and engineering excellence > Intelligent sensors save energy and maximize comfort > Small capacity unit developed for small or well-insulated rooms > Flexibility to suit every room layout 	FXZQ-A	•	•	•	•	•	•										
	2-way blow ceiling mounted cassette Thin, lightweight design installs easily in narrow ceiling spaces > Depth of all units is 620mm, ideal for narrow ceiling spaces > Flexibility to suit every room layout > Reduced energy consumption thanks to DC fan motor > The flaps close entirely when the unit is not operating > Optimum comfort with automatic air flow adjustment to the required load 	FXCQ-A		•	•	•	•	•	•			•		•				
	Ceiling mounted corner cassette 1-way blow unit for corner installation > Compact dimensions enable installation in narrow ceiling voids > Flexible installation thanks to different air discharge options 	FXKQ-MA				•	•	•		•								
Concealed ceiling	Small concealed ceiling unit Designed for hotel rooms > Compact dimensions enable installation in narrow ceiling voids > Discreetly concealed in the ceiling: only the grilles are visible > Flexible installation as the air suction direction can be altered from rear to bottom suction 	FXDQ-M9		•	•													
	Slim concealed ceiling unit Slim design for flexible installation > Compact dimensions enable installation in narrow ceiling voids > Medium external static pressure up to 44Pa > Only grilles are visible > Small capacity unit developed for small of well-insulated rooms > Reduced energy consumption thanks to DC fan motor 	FXDQ-A	•	•	•	•	•	•	•									
	Concealed ceiling unit with medium ESP Slimmest yet most powerful medium static pressure unit on the market! > Slimmest unit in class, only 245mm > Low operating sound level > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths > Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort 	FXSQ-A	•	•	•	•	•	•	•			•	•	•	•			
	Concealed ceiling unit with high ESP ESP up to 200, ideal for large sized spaces > Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment > Reduced energy consumption thanks to DC fan motor > Flexible installation as the air suction direction can be altered from rear to bottom suction 	FXMQ-P7							•	•		•	•	•				
	Concealed ceiling unit with high ESP ESP up to 270, ideal for extra large sized spaces > Only grilles are visible > Large capacity unit: up to 31.5 kW heating capacity 	FXMQ-MB														•	•	
	Concealed ceiling unit with high efficiency For the highest energy efficiency > Automatic air flow adjustment function guarantees comfort > Easy installation in narrow ceilings (245mm height) > High external static pressure up to 270Pa facilitates using flexible ducts of varying lengths > Only the suction and discharge grilles are visible 	FXTQ-A							•	•		•	•					
	Wall mounted unit For rooms with no false ceilings nor free floor space > Flat, stylish front panel is more easy to clean > Small capacity unit developed for small of well-insulated rooms > Reduced energy consumption thanks to DC fan motor > The air is comfortably spread up- and downwards thanks to 5 different discharge angles 	FXAQ-P	•	•	•	•	•	•	•									
Ceiling suspended	Ceiling suspended unit For wide rooms with no false ceilings nor free floor space > Ideal for comfortable air flow in wide rooms thanks to Coanda effect > Rooms with ceilings up to 3.8m can be heated or cooled very easily! > Can easily be installed in both new and refurbishment projects > Can even be mounted in corners or narrow spaces without any problem > Reduced energy consumption thanks to DC fan motor 	FXHQ-A				•			•			•						
	UNIQUE 4-way blow ceiling suspended unit Unique Daikin unit for high rooms with no false ceilings nor free floor space > Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! > Can easily be installed in both new and refurbishment projects > Can be partly recessed in the ceiling if a small ceiling void is available (88mm) > Flexibility to suit every room layout > Reduced energy consumption thanks to DC fan motor 	FXUQ-A									•		•					
Floor standing	Floor standing unit For perimeter zone air conditioning > Can be installed in front of glass walls or free standing as both the front and the back are finished > Ideal for installation beneath a window > Requires very little installation space > Wall mounted installation facilitates cleaning beneath the unit 	FXLQ-P		•	•	•	•	•	•									
	Concealed floor standing unit Ideal for installation in offices, hotels and residential applications > Discreetly concealed in the wall, leaving only the suction and discharge grilles visible > Can even be installed underneath a window > Requires very little installation space as the depth is only 200mm > High ESP allows flexible installation 	FXNQ-A		•	•	•	•	•	•									
Cooling capacity (kW) ¹⁾			1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0		
Heating capacity (kW) ²⁾			1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5		

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m
 (2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m



Stylish indoor units overview

Depending on the application, Split and Sky Air indoor units can be connected to our VRV IV and VRV IV S-series outdoor units. Refer to the **out-door unit portfolio** for combination restrictions.

Type	Model	Product name	Capacity class (kW)								Connectable outdoor unit				
			15	20	25	35	42	50	60	71	RYYQ-T	RXYQ-T(9)	RXYSQ-TV1/ RXYSQ-TV1/ RXYSQ-TYP	RWEYQ-T8 ⁴	
Ceiling mounted cassette	Round flow cassette (incl. auto-cleaning function) 	FCQG-F				●		●	●				✓	✓	
	Fully flat cassette 	FFQ-C			●	●		●	●				✓	✓	
Concealed ceiling	Small concealed ceiling unit	FDBQ-B			●								✓	✓	
	Slim concealed ceiling unit	FDXS-F(9)			●	●		●	●				✓	✓	
	Concealed ceiling unit with inverter-driven fan	FBQ-D				●		●	●				✓	✓	
Wall mounted	Daikin Emura Wall mounted unit 	FTXG-LW/LS		●	●	●		●				✓	✓	✓	✓
	Wall mounted unit	CTXS-K FTXS-K	●	●	●	●	●					✓	✓	✓	✓
	Wall mounted unit	FTXS-G							●	●		✓	✓	✓	✓
Ceiling suspended	Ceiling suspended unit	FHQ-C				●		●	●				✓	✓	
Floor standing	Nexura floor standing unit	FVXG-K			●	●		●				✓	✓	✓	✓
	Floor standing unit	FVXS-F			●	●		●				✓	✓	✓	✓
	Concealed floor standing unit	FNQ-A			●	●		●	●				✓	✓	
	Flexi type unit	FLXS-B(9)			●	●		●	●			✓	✓	✓	✓

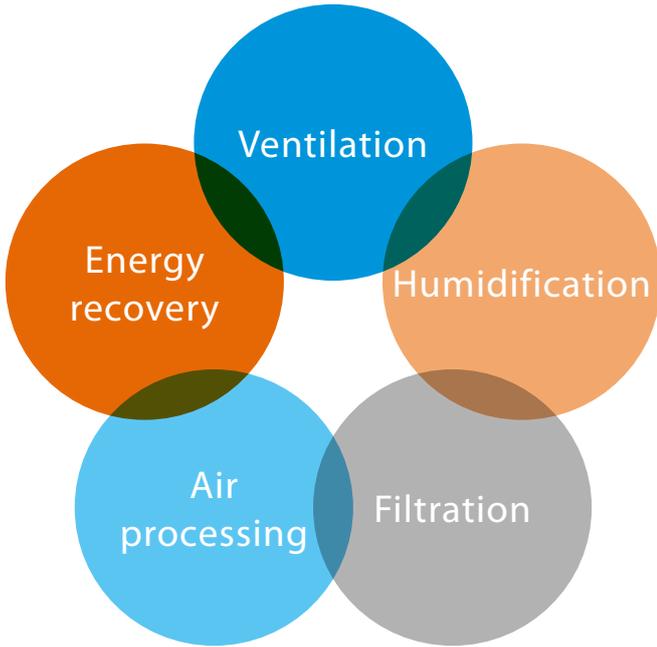
¹ Decoration panel BYCQ140DG or BYCQ140DGF + BRC1E52A/B needed

² To connect stylish indoor units a BPMKS unit is needed

³ For RXYS(C)Q units a mix of RA indoor units and VRV indoor units is not allowed

⁴ VRV IV W-series on special order. Consult your local sales representative for more information

Which system offers me the best solution?



Five components of indoor air quality

- › **Ventilation:** ensures the provision of fresh air
- › **Energy recovery:** recovers heat and moisture from the outgoing air to maximise comfort and efficiency
- › **Air processing:** Pre-heats or pre-cools incoming fresh air maximising comfort and minimising the load on the air conditioning installation
- › **Humidification:** optimises the balance between indoor and outdoor humidity
- › **Filtration:** removes dust, pollution and odours from the air

Type	Product name	Model	Air flow rate (m³/h)											Components of indoor air quality				
			0	200	400	600	800	1,000	2,000	4,000	10,000	25,000	140,000					
Heat reclaim ventilation	VAM-FC	<p>Ventilation with heat recovery as standard</p> <ul style="list-style-type: none"> › Energy saving ventilation › Maximise floor space for furniture, decoration and fittings › Free cooling › Reduced energy consumption thanks to DC inverter fan motor › Optional CO₂ sensor saves energy while improving indoor air quality 																<ul style="list-style-type: none"> › Ventilation › Energy recovery
	VKM-GB	<p>Pre heating or cooling of fresh air for lower load on the air conditioning system</p> <ul style="list-style-type: none"> › Energy saving ventilation › Creates a high quality indoor environment › Maximise floor space for furniture, decoration and fittings › Free cooling › Reduced energy consumption thanks to DC inverter fan motor 															<ul style="list-style-type: none"> › Ventilation › Energy recovery › Air processing 	
	VKM-GBM	<p>Pre heating, cooling and humidification for optimum comfort</p> <ul style="list-style-type: none"> › Energy saving ventilation › Creates a high quality indoor environment › Balance your indoor humidity level › Maximise floor space for furniture, decoration and fittings › Free cooling 																<ul style="list-style-type: none"> › Ventilation › Energy recovery › Air processing › Humidification
Air Handling Unit (application)	DX total fresh air package	<p>Fully customised solution for ventilation and air handling</p> <ul style="list-style-type: none"> › Inverter technology › Heat pump and heat recovery › Provides virtually free heating › Room temperature via Daikin control › Large range of expansion valve kits 															(1)	<ul style="list-style-type: none"> › Ventilation › Energy recovery › Air processing › Humidification › Filtration

¹ Daikin AHU connected to Daikin chiller solution

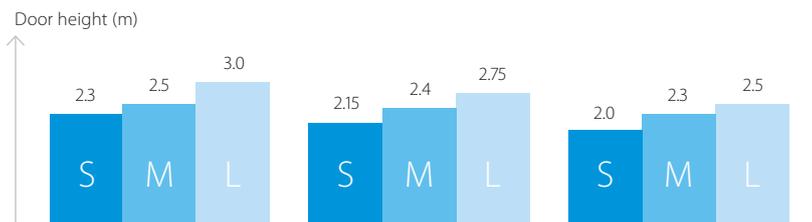
Additional options

Biddle air curtain range

Type	Product name	
Biddle air curtain free hanging	CYV S/M/L-DK-F	
Biddle air curtain cassette	CYV S/M/L-DK-C	
Biddle air curtain recessed	CYV S/M/L-DK-R	

- > A payback time of less than 1.5 years compared to electrical air curtains
- > Easy and quick installation
- > Maximum energy efficiency thanks to rectifier technology
- > 85% air separation efficiency
- > Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- > Free-hanging model (F): easy wall mounted installation
- > Recessed model (R) : neatly concealed in the ceiling

Air curtain size selector



Favourable

Covered shopping mall or revolving door entrance

Normal

No opposite open doors, little direct wind, building with ground floor only

Unfavourable

Location at a corner or square, multiple floors and/or open stairwell

Hydrobox range

Capacity class (kW)

Type	Product name	Model	80	125	Leaving water temperature range
Low temperature hydrobox	HXY-A8	<p>For high efficiency space heating and cooling</p> <ul style="list-style-type: none"> > Ideal for hot or cold water in underfloor, air handling units, low temperature radiators ... > Hot/cold water from 5° to 45°C > Large operation range (down to -20°C and up to 43°C) > Fully integrated water-side components save time on system design > Space saving contemporary wall hung design 	●	●	5°C - 45°C
High temperature hydrobox	HXHD-A8	<p>For efficient hot water production and space heating</p> <ul style="list-style-type: none"> > Ideal for hot water in bathrooms, sinks and for underfloor heating, radiators, air handling units, ... > Hot water from 25 to 80°C > "Free" heating and hot water through heat recovery > Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler > Possibility to connect thermal solar collectors 		●	25°C - 80°C

Network solutions

Type		intelligent Tablet Controller	intelligent Touch Manager	LONWORKS	BACNET
Screen	Floor plan	●	●		
	Touch screen	●	●		
Integration	Mini BMS for heating, air conditioning, applied systems and refrigeration units		●		
	3rd party equipment integration (BACnet and WAGO)		●		
Control	Basic control functions: on/off, temp setting, air flow settings	●	●	●	●
	Refrigerant containment check		●		
	Set point limitation	●	●		
	Setback		●		
	Automatic changeover	●	●		
	Weekly schedule and special day pattern	●	●		
	Timer extension		●		
Monitoring	Emergency stop function	●	●	●	●
	Basic control functions: ON/OFF status, operation mode, set point temp., room temp.	●	●	●	●
	Filter status	●	●	●	●
	Malfunction code	●	●	●	●
	History (operation, malfunction...)	●	●		
	Data visualisation	● (1)	●		
Options	Multi site	● (1)			
	PPD				●
	Web access and control	● (1)	Std		
Other	HTTP option				
	Interlock (Set any preferred logic)	●	●		
	Pre-cool/heat		●		
	Sliding temperature		●		
	i-Net		●		
	Maximum indoor unit groups	32	512	64	4x64



Keep looking
you'll never find me

The city secret

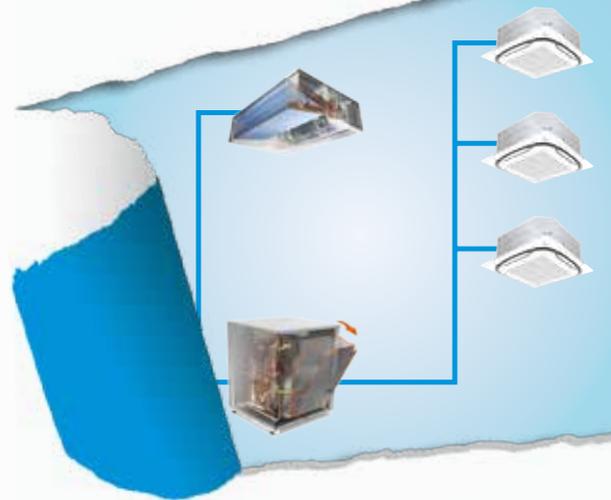
Unseen in the best places

Our VRV IV i-series offers you a truly unique solution for installations where you need a totally invisible system. It is compact and easy to hide indoors, with only the grilles being visible outside. Split into two lightweight components, the compressor can be installed at floor level in a storage room or technical area, and the heat exchanger unit, which is only 400 mm high, can be installed in a standard false ceiling. The VRV IV i-series has a patented V-shaped heat exchanger which boosts efficiency. So your customer can now enjoy all the power of a fully invisible VRV system.

VRV IV i-series



Find out more at www.daikineurope.com/citysecret



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