














Product portfolio VRV



Products overview *VRV*

Type	Model	Product name	4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	30	
Air cooled	VRV IV heat recovery	<div><div>Best efficiency & comfort solution</div><div>Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8!</div><div>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</div><div>"Free" heating and hot water through heat recovery</div><div>The perfect personal comfort for guests/tenants via simultaneous cooling and heating</div><div>Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating</div><div>Allows technical cooling</div><div>Widest range of BS boxes on the market</div></div> <div>REYQ-T VRV IV</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	VRV IV heat pump with continuous heating	<div><div>Daikin's optimum solution with top comfort</div><div>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</div><div>Connectable to stylish indoor units (Daikin Emura, Nexura)</div><div>Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating</div></div> <div>RYYQ-T VRV IV</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	VRV IV heat pump without continuous heating	<div><div>Daikin's solution for comfort & low energy consumption</div><div>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</div><div>Connectable to stylish indoor units (Daikin Emura, Nexura)</div><div>Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature</div></div> <div>RXYQ-T VRV IV</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	VRV III-S	<div><div>Space saving solution without compromising on efficiency</div><div>For residential and light commercial applications</div><div>Space saving design</div><div>Either connect VRV of stylish indoor units (Daikin Emura, Nexura)</div></div> <div>RXYSQ-P8V1/P8Y1 VRV III-S</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	VRV IV S-series	<div><div>Space saving solution without compromising on efficiency</div><div>Space saving trunk design for flexible installation</div><div>Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains</div><div>Either connect VRV of stylish indoor units (Daikin Emura, Nexura)</div><div>Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature</div></div> <div>VRV IV S-series</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	VRV IV S-series Compact	<div><div>The most compact VRV</div><div>Compact and lightweight single fan design saves space and is easy to install</div><div>Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains</div><div>Either connect VRV of stylish indoor units (Daikin Emura, Nexura)</div><div>Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature</div></div> <div>VRV IV S-series Compact</div> <div> Preliminary</div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	VRV III heat pump, optimised for heating	<div><div>Where heating is priority without compromising on efficiency</div><div>Suitable for single source heating</div><div>Extended operation range down to -25°C in heating</div><div>Stable heating capacity and high efficiencies at low ambient temperatures</div></div> <div>RTSYQ-PA VRV III-C</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	VRV Classic	<div><div>Classic VRV configuration</div><div>For standard cooling & heating requirements</div><div>Connectable to VRV indoor units, controls and ventilation</div></div> <div>RXYCQ-A VRV Classic</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	Replacement VRV heat recovery	<div><div>Quick & quality replacement for R-22 and R-407C systems</div><div>Cost-effective and fast replacement through re-use of existing piping</div><div>Up to 40% more efficient than R-22 systems</div><div>No interruption of daily business while replacing your system</div><div>Replace Daikin and other manufacturers systems safely</div></div> <div>RQCEQ-P VRV III-Q</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
	Replacement VRV heat pump	<div><div>Quick & quality replacement for R-22 and R-407C systems</div><div>Cost-effective and fast replacement through re-use of existing piping</div><div>Up to 80% more efficient than R-22 systems</div><div>No interruption of daily business while replacing your system</div><div>Replace Daikin and other manufacturers systems safely</div><div>Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature</div></div> <div>RXYQ-Q-T VRV IV Q-series</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
Water cooled	Water cooled VRV IV	<div><div>Ideal for high rise buildings, using water as heat source</div><div>Reduced CO₂ emissions thanks to the use of geothermal energy as a renewable energy source</div><div>No need for an external heating or cooling source when used in geothermal mode</div><div>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</div><div>Compact & lightweight design can be stacked for maximum space saving</div><div>Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature</div><div>Variable Water Flow control option increases flexibility and control</div></div> <div>RWEYQ-T VRV IV W-series</div> <div></div> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	

● Single unit

















● Multi combination

Capacity (HP)												Description / Combination	VRV indoor units	Residential indoor units	LT Hydrobox HXY-A	HT Hydrobox HXHD-A	HRV units VAM-, VKM-	AHU connection EKEXV- + EKEQMCB	AHU connection EKEXV- + EKEQFCB	Air curtains CYV-DK-	Remarks
32	34	36	38	40	42	44	46	48	50	52	54										
												VRV IV Heat Recovery REYQ-T	○	×	○	○	○	○	×	○	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								
												with LT/HT Hydroboxes	✓		✓	✓	✓				› Max 32 indoor units, even on 16HP and larger systems › Total system connection ratio up to 200% possible
												HRV units VAM-, VKM-	✓		✓	✓	✓		✓		
●	●	●	●	●	●	●	●	●	●	●	●	AHU connection EKEXV + EKEQMCB	✓				✓	✓		✓	› Dedicated systems (with only ventilation units) not allowed – a mix with standard VRV indoor units is always necessary
												Biddle air curtain CYV-DK-	✓				✓	✓		✓	
												VRV IV Heat Pump RYYQ-T / RXYQ-T	○	○	○	×	○	○	○	○	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								› 200% total system connection ratio possible under special circumstances
●	●	●	●	●	●	●	●	●	●	●	●	with residential indoor units	✓	✓			✓				› Only single-module systems (RYYQ 8~20 T / RXYQ 8~20 T) › Max 32 indoor units, even on 16HP, 18HP and 20HP systems
												with LT Hydroboxes	✓		✓	✓					› Max 32 indoor units, even on 16HP and larger systems › Contact Daikin in case of multi-module systems (>20HP)
												HRV units VAM-, VKM-	✓	✓	✓		✓	✓		✓	
												AHU connection EKEXV + EKEQMCB	✓				✓	✓		✓	
●	●	●	●	●	●	●	●	●	●	●	●	AHU connection EKEXV + EKEQMCB							✓		
												Biddle air curtain CYV-DK-	✓				✓	✓		✓	
												VRV III-S Mini VRV RXYSQ-P8	○	○	×	×	○	○	×	○	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units	✓				✓	✓		✓	
												with Split indoor units		✓							› Total system connection ratio in terms of VRV indexes: 56 ~ 145%
												VRV IV-S Mini VRV	○	○	×	×	○	○	×	○	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units	✓				✓	✓		✓	
												with Split indoor units		✓							› Total system connection ratio in terms of VRV indexes: 56 ~ 145%
												VRV IV-S Mini VRV	○	○	×	×	○	○	×	○	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units	✓				✓	✓		✓	
												with Split indoor units		✓							› Total system connection ratio in terms of VRV indexes: 56 ~ 145%
												VRV III Cold Region RTSYQ-PA	✓	×	×	×	✓	✓	×	✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV Classic RXYCQ-A	✓	×	×	×	✓	×	×	×	› Standard total system connection ratio limit: 50 ~ 120% › In case of using at least one FXFQ20~25 indoor units on 8HP or 10HP models, the maximum connection ratio is 100%.
												VRV III-Q Replacement H/R RQCEQ-P	✓	×	×	×	✓	×	×	×	› Standard total system connection ratio limit: 50 ~ 130%
●	●	●	●	●	●							VRV IV-Q Replacement H/P RXYQQ-T	✓	×	×	×	✓	✓	×	✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-W Water-cooled VRV RWEYQ-T	✓	×	×	×	✓	✓	×	✓	› Standard total system connection ratio limit: 50 ~ 130%

- ... connection of indoor unit possible, but not necessarily simultaneously with other allowed indoor units
✓ ... connection of indoor unit possible even simultaneously with other checked units in the same row
×

Products overview















Capacity class (kW)

Type	Model	Product name	15	20	25	32	40	50	63	71	80	100	125	140	200	250		
Ceiling mounted cassette	Round flow cassette	<ul style="list-style-type: none">› 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! <div></div> <div>FXFQ-A</div> <div></div>			●	●	●	●	●	●		●	●	●				
	Fully flat cassette	<ul style="list-style-type: none">› 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 <div></div> <div>FXZQ-A</div> <div></div>	●	●	●	●	●	●	●									
	2-way blow ceiling mounted cassette	<ul style="list-style-type: none">› 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 <div>FXCQ-A</div> <div></div>		●	●	●	●	●	●	●		●		●				
	Ceiling mounted corner cassette	<ul style="list-style-type: none">› 1-way blow unit for corner installation› Compact dimensions enable installation in narrow ceiling voids› Flexible installation thanks to different air discharge options <div>FXKQ-MA</div> <div></div>			●	●	●		●									
Concealed ceiling	Small concealed ceiling unit	<ul style="list-style-type: none">› Designed for hotel rooms› Compact dimensions enable installation in narrow ceiling voids› Discretely concealed in the ceiling: only the grilles are visible› Flexible installation as the air suction direction can be altered from rear to bottom suction <div>FXDQ-M9</div> <div></div>		●	●													
	Slim concealed ceiling unit	<ul style="list-style-type: none">› 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 <div>FXDQ-A</div> <div></div>	●	●	●	●	●	●	●	●								
	Concealed ceiling unit with medium ESP	<ul style="list-style-type: none">› Optimum comfort guaranteed no matter the length of ductwork or type of grilles› Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort› Medium external static pressure up to 140Pa› Reduced energy consumption thanks to DC fan motor› Flexible installation as the air suction direction can be altered from rear to bottom suction <div>FXSQ-A</div> <div></div> <div>Preliminary</div>	●	●	●	●	●	●	●	●			●	●	●	●		
	Concealed ceiling unit with high ESP	<ul style="list-style-type: none">› 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 <div>FXMQ-P7</div> <div></div>							●	●		●	●	●				
	Concealed ceiling unit with high ESP	<ul style="list-style-type: none">› ESP up to 270, ideal for extra large sized spaces› Only grilles are visible› Large capacity unit: up to 31.5 kW heating capacity <div>FXMQ-MA</div> <div></div>															●	●
Wall mounted	Wall mounted unit	<ul style="list-style-type: none">› 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 <div>FXAQ-P</div> <div></div>	●	●	●	●	●	●	●	●								
Ceiling suspended	Ceiling suspended unit	<ul style="list-style-type: none">› 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 <div>FXHQ-A</div> <div></div>				●				●			●					
	4-way blow ceiling suspended unit	<ul style="list-style-type: none">› 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› Flexibility to suit every room layout› Reduced energy consumption thanks to DC fan motor <div>FXUQ-A</div> <div></div>									●		●					
Floor standing	Floor standing unit	<ul style="list-style-type: none">› 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 <div>FXLQ-P</div> <div></div>		●	●	●	●	●	●	●								
	Concealed floor standing unit	<ul style="list-style-type: none">› Ideal for installation in offices, hotels and residential applications› Discretely 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 <div>FXNQ-A</div> <div></div>		●	●	●	●	●	●	●								
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

											Connectable outdoor unit				
											RYYQ-T	RXYQ-T	RXYSQ-P8V1	RXYSQ-P8Y1	
Type	Model	Product name		15	20	25	35	42	50	60	71				
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				●	●		●			✓	✓	✓	✓
	Flexi type unit	FLXS-B(9)				●	●		●	●		✓	✓	✓	✓

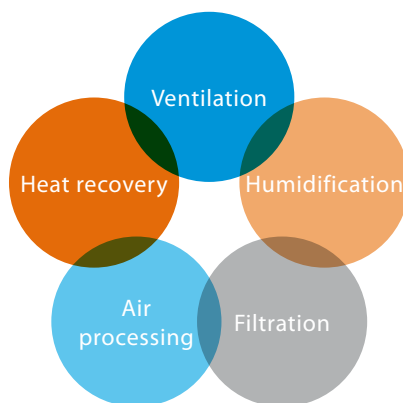
* Decoration panel BYCQ140CG + BRC1E52A/B needed

Ventilation range





overview

Five components of indoor air quality

- › **Ventilation:** ensures the provision of fresh air
- › **Heat recovery:** recovers heat and moisture from the outgoing air to maximise comfort and efficiency
- › **Air processing:** heats or cools incoming fresh air maximising comfort and minimizing 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



Air flow rate (m³/h)*

Type	Product name		0	200	400	600	800	1,000	2,000	4,000	6,000	8,000	140,000	Components of indoor air quality
Heat reclaim ventilation	VAM-FA/FB													› Ventilation › Heat recovery
	VKM-GB													› Ventilation › Heat recovery › Air processing
	VKM-GBM													› Ventilation › Heat recovery › Air processing › Humidification
Air handling units	DX total fresh air package												**	› Ventilation › Heat recovery › Air processing › Humidification › Filtration

* Air flow rate is a calculated indication only, based on the following values: heating capacity EKEXV-kit * 200m³/h

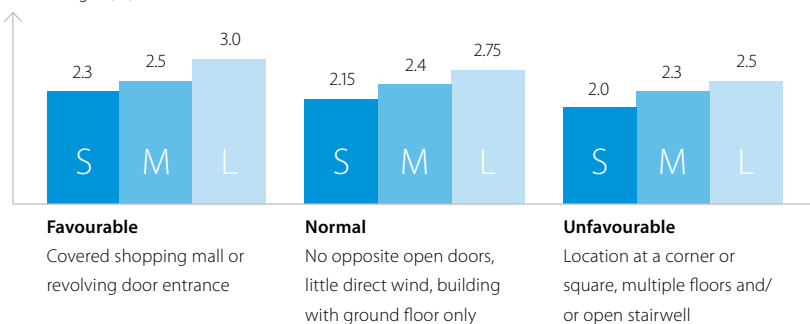
** Daikin AHU connected to Daikin chiller solution

Overview 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

Door height (m)



Hydrobox range

Capacity class (kW)

Type	Product name		80	125	Leaving water temperature range
Low temperature hydrobox	HXY-A		●	●	5 °C - 45 °C
High temperature hydrobox	HXHD-A			●	25 °C - 80 °C



Network solutions

Type		ITC	ITM	DMS-IF	BACNET
Screen	Layout screen		●		
	Touch screen	●	●		
Integration	Mini BMS for heating, air conditioning applied systems and refrigeration units (BACnet and WAGO)		●		
	3rd party equipment integration (BACnet and WAGO)		●		
Control	Basic control functions: on/off, temp, setting, air flow settings	●	●	●	●
	Refrigerant containment check		●		
	Temperature limitation	●	●		
	Setback		●		
	Automatic changeover	●	●		
	Weekly schedule and special day pattern	●	●		
	Timer extension		●		
	Forced off	●	●	●	●
Monitoring	Basic control functions: ON/OFF status, operation mode, set point temp.	●	●	●	●
	Filter status	●	●	●	●
	Malfunction code	●	●	●	●
	History (operation, malfunction...)	●	●		
Options	Visualisation	●	●		
	PPD	●	●		●
	Web access and control	●	Std		
Other	HTTP option	●			
	Interlock	●	●		
	Pre-cool/heat		●		
	Sliding temperature		●		
	Free cooling	●	●		
	ACNSS connection Air Conditionning Network Service System	●	●	●	●
	Maximum indoor unit groups	64	2560	64	4x64

VRV – the solution for the commercial sector

Daikin's VRV technology leads the way in customisation to match individual commercial building requirements in comfort and energy efficiency. Flexible to cover all applications and climate conditions, Daikin has the unique VRV products that make the difference for you and your customers.



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