DAIKIN

Product Portfolio

VRV

INTEGRATED CLIMATE CONTROL

Portfolio

Outdoor unit range

System	Type	Product name		Capacity (HP) 4	5	6	8	10	12	14	16	18	20
Cooling capacity (kW)[1]				12.6	14.0	15.5	22.4	28.0	33.5	40.0	45.0	49.0	55.9
Heating capacity (kW)[2]				14.2	16.0	18.0	25.0	31.5	37.5	45.0	50.0	56.5	62.5
AIR COOLED	HEAT PUMP	VRV IV RYYQ-T Heat pump with continuous heating	new										
		VRV IV RXYQ-T Heat pump without continuous heating	new										
		VRV III-S RXYSQ-P8V1 (Single phase) RXYSQ-P8Y1 (Three phase)											
		VRV III-C RTSYQ-PA Heat pump optimised for heating	new										
		VRV Classic RXYCQ-A	new										
	HEAT RECOVERY	VRV III REYQ-P8/P9 Small footprint combination											
		VRV III REYHQ-P High COP combination											
		VRV III REYAQ-P for connection with heating only hydrobox											
Cooling capacity (kW)[3]							22.4	26.7			44.8	49.1	53.4
Heating capacity (kW)[4]							25.0	31.5			50.0	56.5	63.0
WATER COOLED	STANDARD SERIES H/R - H/P	VRV-W III RWEYQ-P											
	GEO-THERMAL SERIES H/R - H/P	VRV-W III RWEYQ-PR											

System	Type	Product name		4	5	8	10	12	13	14	16	18	20
Capacity class					140		280		360		460	500	540
Cooling capacity (kW)[1] HR/HP					-/14.0	-/22.4	28.0/28.0	-/33.5	36.0/-	-/40.0		50.0/50.4	54.0/55.9
Heating capacity (kW)[2] HR/HP					-/16.0	-/25.0	32.0/31.5	-/37.5	40.0/-	-/45.0	52.0/50.0	56.0/56.5	60.0/62.5
AIR COOLED	REPLACEMENT VRV HEAT RECOVERY - HEAT PUMP	VRV III-Q RQYQ-P VRVIII-Q - H/P											
		VRV III-Q RQCEQ-P VRVIII-Q - H/R											

Single unit

Multi combination

[1] Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, inlet water temperature : 30°C, equivalent refrigerant piping : 7.5m, level difference : 0m.
[2] Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m.
[3] Nominal cooling capacities are based on: indoor temperature : 27°CDB, 19°CWB, inlet water temperature : 30°C, equivalent refrigerant piping : 7.5m, level difference : 0m
[4] Nominal heating capacities are based on: indoor temperature : 20°CDB, inlet water temperature : 20°C, equivalent refrigerant piping : 7.5m, level difference : 0m

✓: component is connectable

x : component is not connectable

Not all components are connectable at the same time to one outdoor unit.
Refer to the engineering databook for more information.

22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	Indoor units		Ventilation			Air curtain	Hydro-box con-nection		Control systems		
																	VRV type indoor units (such as FXSQ)	Residential type indoor units (such as Daikin Emura)	Heat Reclaim ventilation (such as VAM)	Fresh air indoor units (such as FXMQ-MF)	AHU connection kit (such as EKEXV)	Biddle Air curtain for VRV (CYV)	Low temperature hydrobox for VRV	High temperature hydrobox for VRV	Individual control (such as BRC)	Centralised control (such as DCS3*/DST)	Network solutions (such as DCS6*/DAM/DMS)
61.5	67.0	71.4	77.0	82.5	89.0	94.0	98.0	105.0	111.0	116.0	120.0	126.0	132.0	138.0	143.0	147.0											
69.0	75.0	81.5	88.0	94.0	102.0	107.0	113.0	119.0	126.0	132.0	138.0	145.0	151.0	158.0	163.0	170.0											
																	✓	✓	✓	✓	✓	✓	✓	x	✓	✓	✓
																	✓	✓	✓	✓	✓	✓	✓	x	✓	✓	✓
																	✓	✓	✓	x	✓	✓	x	x	✓	✓	✓
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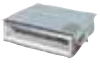
																	✓	x	✓	✓	✓	✓	x	✓	✓	✓	✓
	67.2	71.5	75.8	80.1																							
	75.0	81.5	88.0	94.5																							
																	✓	x	✓	✓	✓	✓	x	x	✓	✓	✓
																	✓	x	✓	✓	✓	✓	x	x	✓	✓	✓

Capacity (HP)

22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
636	712	744	816	848												
63.6/61.5	71.2/67.0	74.4/73.0	81.6/78.5	84.4/85.0	-/90.0	-/96.0	-/101.0	-/107.0	-/112.0	-/118.0	-/124.0	-/130.0	-/135.0			
67.2/69.0	78.4/75.0	80.8/81.5	87.2/87.5	89.6/95.0	-/100.0	-/108.0	-/113.0	-/119.0	-/125.0	-/132.0	-/138.0	-/145.0	-/150.0			

Indoor unit range

VRV air conditioning brings summer freshness and winter warmth to offices, hotels, department stores and many other commercial premises. It enhances the indoor environment and creates a basis for increased business prosperity and whatever the air conditioning requirement, a Daikin indoor unit will provide the answer. VRV air conditioning can be supplied via 26 different indoor unit models in a total of 116 variations.

	Type	Model	Product name		Capacity 15	20	25	32	40	50	63	71	80	100	125	140	200	250
new	CEILING MOUNTED CASSETTE	Round flow cassette autocleaning function[3] Presence & floor sensor[3]	FXFQ-A			■	■	■	■	■	■		■	■	■			
new	CEILING MOUNTED CASSETTE	4-way blow ceiling mounted cassette Presence & floor sensor[3]	FXZQ-A		■	■	■	■	■	■								
new	CEILING MOUNTED CASSETTE	2-way blow ceiling mounted cassette	FXCQ-A			■	■	■	■	■	■		■		■			
	CEILING MOUNTED CASSETTE	Ceiling mounted corner cassette	FXKQ-MA				■	■	■		■							
	CONCEALED CEILING	Small concealed ceiling unit	FXDQ-M9			■	■											
new	CONCEALED CEILING	Slim concealed ceiling unit	FXDQ-A		■	■	■	■	■	■	■							
	CONCEALED CEILING	Concealed ceiling unit with inverter driven fan	FXSQ-P			■	■	■	■	■	■		■	■	■	■		
	CONCEALED CEILING	Concealed ceiling unit with inverter driven fan	FXMQ-P7			■	■	■	■	■	■		■	■	■			
	CONCEALED CEILING	Large concealed ceiling unit	FXMQ-MA[4]														■	■
	WALL MOUNTED	Wall mounted unit	FXAQ-P			■	■	■	■	■	■							
new	CEILING SUSPENDED	Ceiling suspended unit	FXHQ-A					■			■			■				
new	CEILING SUSPENDED	4-way blow ceiling suspended unit	FXUQ-MA									■		■	■			
	FLOOR STANDING	Floor standing unit	FXLQ-P			■	■	■	■	■	■							
	FLOOR STANDING	Concealed floor standing unit	FXNQ-P			■	■	■	■	■	■							
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

[3] Optional

[4] Not connectable to VRV III-S

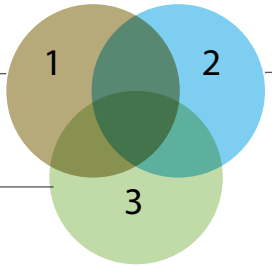
	Type	Model	Product name		Capacity 15	20	25	35	42	50	60	71	VRV IV / VRV II-S Connectable outdoor unit: RYYQ-T RXYQ-T	RXYSQ-P8V1 RXYSQ-P8Y1
new	CEILING MOUNTED CASSETTE	Round flow cassette (incl. autoclean function[1])	FCQG-F					■		■	■			✓
new	CEILING MOUNTED CASSETTE	Fully flat cassette	FFQ-C				■	■		■	■			✓
	CONCEALED CEILING	Small concealed ceiling unit	FDBQ-B				■							✓
	CONCEALED CEILING	Slim concealed ceiling unit	FDXS-F				■	■		■	■			✓
	CONCEALED CEILING	Concealed ceiling unit with inverter driven fan	FBQ-C					■		■	■			✓
	WALL MOUNTED	Daikin Emura Wall mounted unit	FTXG-JA/JW				■	■		■			✓	✓
new	WALL MOUNTED	Wall mounted unit	CTXS-K FTXS-K		■	■	■	■	■	■			✓	✓
	WALL MOUNTED	Wall mounted unit	FTXS-G								■	■	✓	✓
new	CEILING SUSPENDED	Ceiling suspended unit	FHQ-C					■		■	■			✓
	FLOOR STANDING	Nexura floor standing unit	FVXG-K				■	■		■			✓	✓
	FLOOR STANDING	Floor standing unit	FVXS-F				■	■		■			✓	✓
	FLOOR STANDING	Flexi type unit	FLXS-B				■	■		■	■		✓	✓

[1] Decoration panel BYCQ140CG + BRC1E51A needed
To connect RA indoor units a BP box is required

Ventilation range

Ventilation: provision of fresh air

Pre conditioning: cooling or heating of incoming fresh air to maintain a consistent temperature for maximum comfort



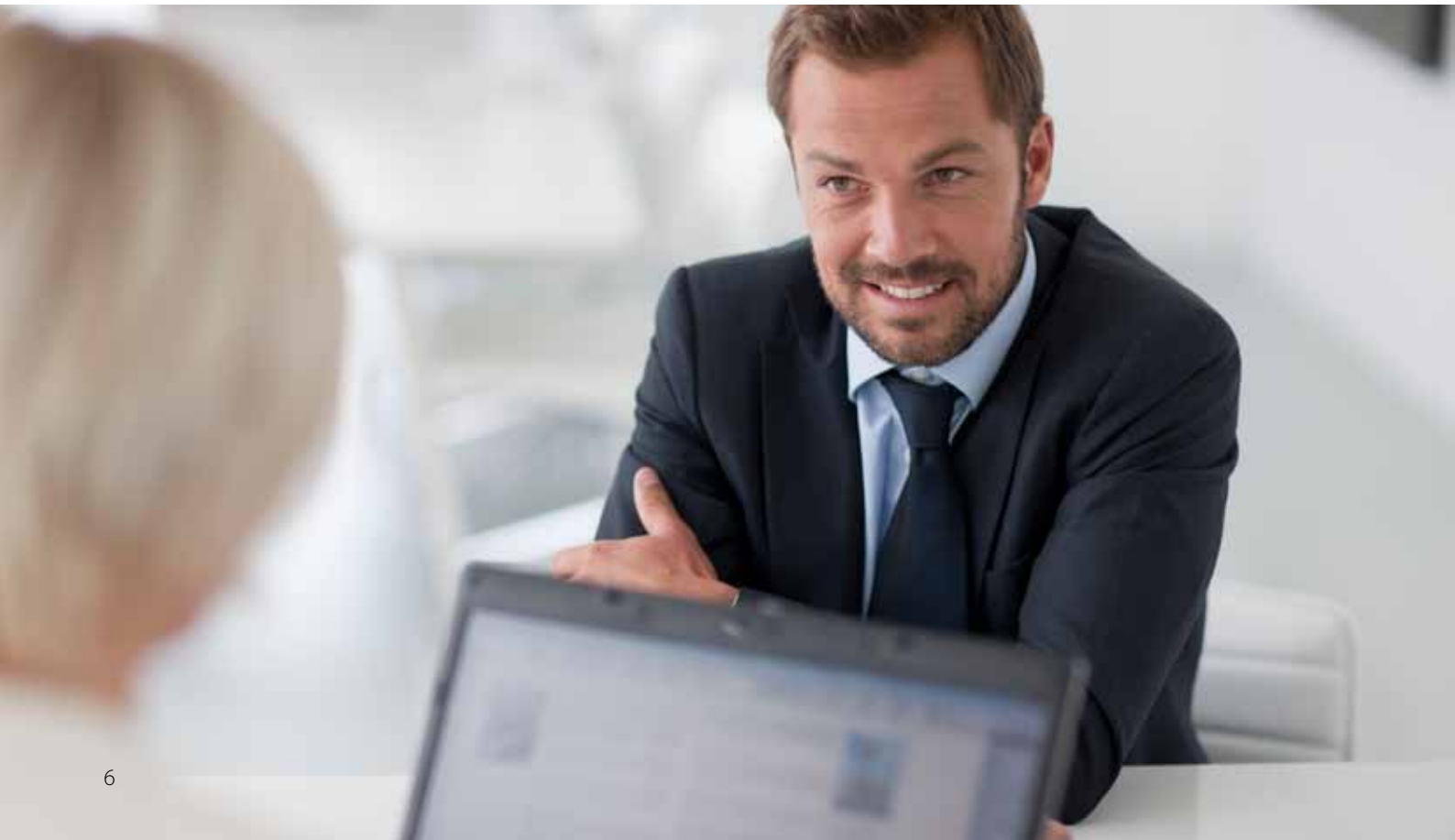
Humidification: optimise the balance between indoor and outdoor humidity

Type	Product name	Components of indoor air quality		Air flow rate (m³/h) 0 200 400 600 800 1,000 1,500 2,000 4,000 6,000 8,000
HEAT RECLAIM VENTILATION	VAM-FA/FB	1 Ventilation		
	VKM-G	1 Ventilation 3 Pre conditioning		
	VKM-GM	1 Ventilation 2 Humidification 3 Pre conditioning		
OUTDOOR AIR PROCESSING UNIT [1]	FXMQ-MF	1 Ventilation 3 Pre conditioning		
VRV AIR HANDLING APPLICATIONS [2]	EKEXV-kit	1 Ventilation 3 Pre conditioning		

[1] Not connectable to VRVIII-S (RXYSQ-P8V1, RXYSQ-P8Y1)

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

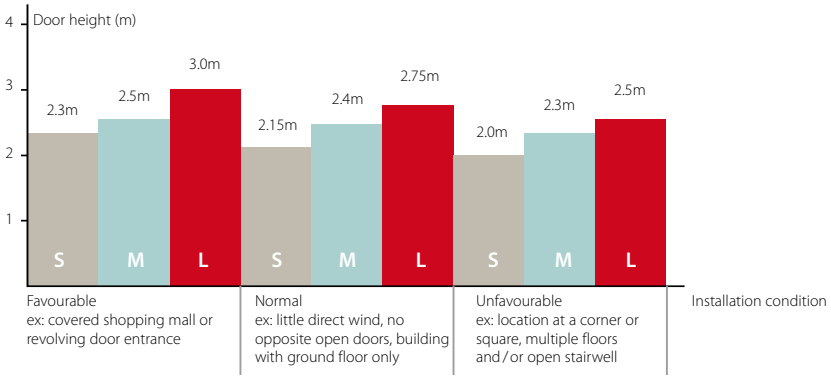
[3] For more information on Daikin air handling units refer to your local dealer



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

Biddle air curtain range for VRV



Hydrobox range

Capacity

Type	Product name	leaving water temperature range	80	125
LOW TEMPERATURE HYDROBOX [1]	HXY-A	5°C - 45°C		
HIGH TEMPERATURE HYDROBOX [2]	HXHD-A	25°C - 80°C		

[1] Only connectable to RYYQ-T
[2] Only connectable to REYAQ-P

Network solutions

	Control				Monitoring								Options				Other control functions								
	Basic control functions: ON/OFF, temp. Setting, air flow settings	Automatic changeover	Weekly schedule control	Fire emergency stop control	Basic monitoring functions: ON/OFF status, operation mode, set point temp.	Indication filter replacement	Malfunction code	Password security	Touch screen	Daily/monthly/yearly reports	Control via GSM	Graphical report	Visualisation	Ppd	Web acces & control	Http option	Eco mode	Pre cooling / heating	0°Δ Between cooling & heating	Power limit control	Sliding t° avoids overcooling via sensor	Free cooling changeover	ACNSS connection air conditioning network service system	Scheduling presets (programs)	User friendliness	Max. Indoors groups
DS-NET	■	■		■	■	■	■				■		+												+	4x10
INTELLIGENT TOUCH CONTROLLER	■	■		■	■	■	■	■	■				++	■	■	■							■		8	+++	2x64
INTELLIGENT TOUCH MANAGER	■	■		■	■	■	■	■		■		■	+++	■	■		■	■	■	■	■	■		■	128	+++	1024
DMS-IF [1]	■	■		■	■	■	■						N/A													N/A	64
BACNET [2]	■	■		■	■	■	■						N/A	■												N/A	4x64

[1] Gateway for Lonworks networks [2] Gateway for BACnet networks

GREAT NEWS

VRV IV SETS THE STANDARD … AGAIN

find the latest information on www.daikineurope.com/vrv-iv

In all of us, a green heart

Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

FSC

ECPEN13-201

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