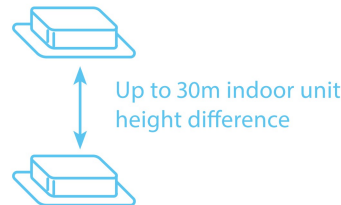


# VRV IV+ heat pump

## Daikin's optimum solution with top comfort

- › 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
- › Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- › Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- › Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- › Free combination of outdoor units to meet installation space or efficiency requirements
- › Available as heating only by irreversible field setting
- › Contains all standard VRV features



Already fully compliant to LOT 21 - Tier 2

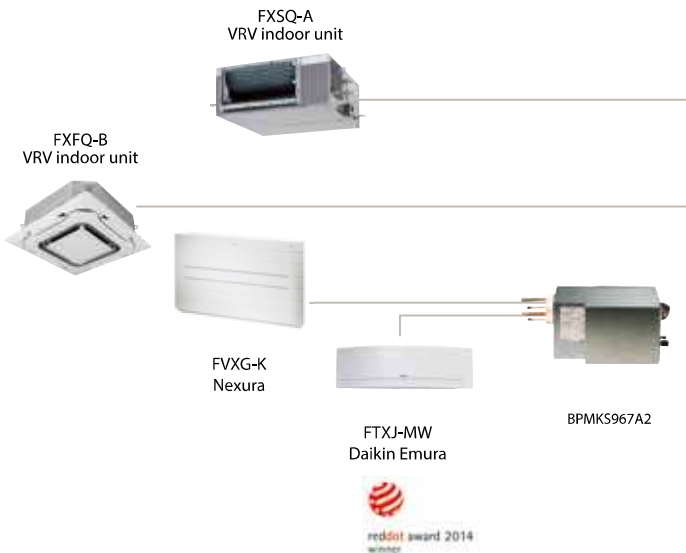
Published data with real-life indoor units

Access all technical information on RYYQ-U at [my.daikin.eu](http://my.daikin.eu) or click here

Access all technical information on RXYQ-U at [my.daikin.eu](http://my.daikin.eu) or click here

Outdoor unit		RYYQ/RXYQ	8U	10U	12U	14U	16U	18U	20U	
Capacity range		HP	8	10	12	14	16	18	20	
Cooling capacity	Prated,c	kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0	
Heating capacity	Prated,h	kW	13.7	16.0	18.4	20.6	23.2	27.9	31.0	
	Max. 6°CWB	kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0	
Recommended combination			4 x FXFQ50AVEB	4 x FXFQ63AVEB	6 x FXFQ50AVEB	1 x FXFQ50AVEB + 5 x FXFQ63AVEB	4 x FXFQ63AVEB + 2 x FXFQ80AVEB	3 x FXFQ50AVEB + 5 x FXFQ63AVEB	2 x FXFQ50AVEB + 6 x FXFQ63AVEB	
ηs,c		%	302.4	267.6	247.8	250.7	236.5	238.3	233.7	
ηs,h		%	167.9	168.2	161.4	155.4	157.8	163.1	156.6	
SEER			7.6	6.8		6.3		6.0	5.9	
SCOP			4.3		4.1	4.0		4.2	4.0	
Maximum number of connectable indoor units						64 <sup>(1)</sup>				
Indoor index connection	Min.		100.0	125.0	150.0	175.0	200.0	225.0	250.0	
	Nom.		-							
	Max.		260.0	325.0	390.0	455.0	520.0	585.0	650.0	
Dimensions	Unit	HeightxWidthxDepth	mm			mm				
			1,685x930x765			1,685x1,240x765				
Weight	Unit		kg			kg		kg		
			252 (RYYQ) / 198 (RXYQ)			319 (RYYQ) / 275 (RXYQ)		378 (RYYQ) / 308 (RXYQ)		
Sound power level	Cooling	Nom.	dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
Sound pressure level	Cooling	Nom.	dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB		-5.0~43.0					
	Heating	Min.~Max.	°CWB		-20.0~15.5					
Refrigerant	Type/GWP		R-410A/2,087.5							
	Charge	kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	10.4/21.7	11.7/24.4	11.8/24.6	
Piping connections	Liquid	OD	mm		mm		mm		mm	
	Gas	OD	19.1		22.2	12.7		28.6	15.9	
	Total piping length	System	Actual		m					
			1,000							
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)	A	20	25	32		40		50	

Outdoor unit System		RYYQ/RXYQ	22U	24U	26U	28U	30U	32U	34U	36U	38U
System	Outdoor unit module 1		10	8		12			16		8
	Outdoor unit module 2		12	16	14	16	18	16	18	20	10
	Outdoor unit module 3		-								
Capacity range		HP	22	24	26	28	30	32	34	36	38
Cooling capacity	Prated,c	kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4
Heating capacity	Prated,h	kW	34.4	36.9	39.0	41.6	46.3	46.4	51.1	54.2	60.7
	Max. 6°CWB	kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5
Recommended combination			6 x FXFQ50AVEB + 4 x FXFQ63AVEB	4 x FXFQ50AVEB + 4 x FXFQ63AVEB + 2 x FXFQ80AVEB	7 x FXFQ50AVEB + 5 x FXFQ63AVEB	6 x FXFQ50AVEB + 4 x FXFQ63AVEB + 2 x FXFQ80AVEB	9 x FXFQ50AVEB + 5 x FXFQ63AVEB	8 x FXFQ63AVEB + 4 x FXFQ80AVEB	3 x FXFQ50AVEB + 9 x FXFQ63AVEB + 2 x FXFQ80AVEB	2 x FXFQ50AVEB + 10 x FXFQ63AVEB	6 x FXFQ50AVEB + 10 x FXFQ63AVEB
ηs,c		%	274.5	269.9	264.2	257.8	256.8	251.7	253.3	250.8	272.4
ηs,h		%	171.2	167.0	164.6	166.0	169.8	163.1	166.2	162.4	167.5
SEER			6.9	6.8	6.7		6.5		6.4	6.3	6.9
SCOP			4.4	4.3		4.2	4.3		4.2	4.1	4.3
Maximum number of connectable indoor units			64 <sup>(1)</sup>								
Indoor index connection	Min.		275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0
	Nom.		-								
	Max.		715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0
Piping connections	Liquid	OD	mm		mm		mm		mm		
	Gas	OD	28.6		34.9		19.1		41.3		
	Total piping length	System	Actual		m						
			1,000								
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415								
Current - 50Hz	Maximum fuse amps (MFA)	A	63						80	100	



RYYQ8-12U/RXYQ8-12U

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-MW/MS		●	●	●		●		
Wall mounted unit	CTXM-M	●			●				
Wall mounted unit	FTXM-N		●	●	●	●	●	●	●
Nexura - Floor standing unit	FVXG-K			●	●		●		
Floor standing unit	FVXM-F			●	●		●		
Flexi type unit	FLXS-B(9)			●	●		●	●	

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

Outdoor unit System		RYYQ/RXYQ	40U	42U	44U	46U	48U	50U	52U	54U
System	Outdoor unit module 1		10		12	14	16		18	
	Outdoor unit module 2		12	16				18		
	Outdoor unit module 3		18	16				18		
Capacity range	HP		40	42	44	46	48	50	52	54
Cooling capacity	Prated,c	kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h	kW	62.3	62.4	64.8	67.0	69.6	74.3	79.0	83.7
	Max. 6°CWB	kW	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Recommended combination			9 x FXFQ50AVEB + 9 x FXFQ63AVEB	12 x FXFQ63AVEB + 4 x FXFQ80AVEB	6 x FXFQ50AVEB + 8 x FXFQ63AVEB + 4 x FXFQ80AVEB	1 x FXFQ50AVEB + 13 x FXFQ63AVEB + 4 x FXFQ80AVEB	12 x FXFQ63AVEB + 6 x FXFQ80AVEB	3 x FXFQ50AVEB + 13 x FXFQ63AVEB + 4 x FXFQ80AVEB	6 x FXFQ50AVEB + 14 x FXFQ63AVEB + 2 x FXFQ80AVEB	9 x FXFQ50AVEB + 15 x FXFQ63AVEB
ηs,c	%		263.5	261.2	255.9	254.9	251.7	252.8	253.7	254.1
ηs,h	%		170.0	165.5	164.5	162.0	162.8	165.2	167.2	169.4
SEER			6.7	6.6	6.5	6.4				
SCOP			4.3	4.2		4.1		4.2	4.3	
Maximum number of connectable indoor units			64 <sup>(1)</sup>							
Indoor index connection	Min.		500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Nom.									
	Max.		1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid OD	mm	19.1							
	Gas OD	mm	41.3							
	Total piping length	System Actual	1,000							
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)	A	100				125			
Outdoor unit module for continuous heating combinations		RYMQ	8U	10U	12U	14U	16U	18U	20U	
Dimensions	Unit HeightxWidthxDepth	mm	1,685x930x765				1,685x1,240x765			
Weight	Unit	kg	198			275		308		
Fan	External static pressure Max.	Pa	78							
Sound power level	Cooling Nom.	dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9	
	Cooling Nom.	dBA	57.0		61.0	60.0	63.0	62.0	65.0	
Operation range	Cooling Min.~Max.	°CDB					-5.0~43.0			
	Heating Min.~Max.	°CWB					-20.0~15.5			
Refrigerant	Type/GWP		R-410A/2,087.5							
	Charge	kg/TCO2eq	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	11.3/23.6	11.7/24.4	11.8/24.6	
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)	A	20	25	32	40		50		

(1) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%)