

# VRV IV+ heat pump

Daikin's optimum solution with top comfort

- › By choosing a LOOP by Daikin product you support the reuse of refrigerant, for more information visit [www.daikin.eu/loop-by-daikin](http://www.daikin.eu/loop-by-daikin)
- › 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, Perfera)
- › 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

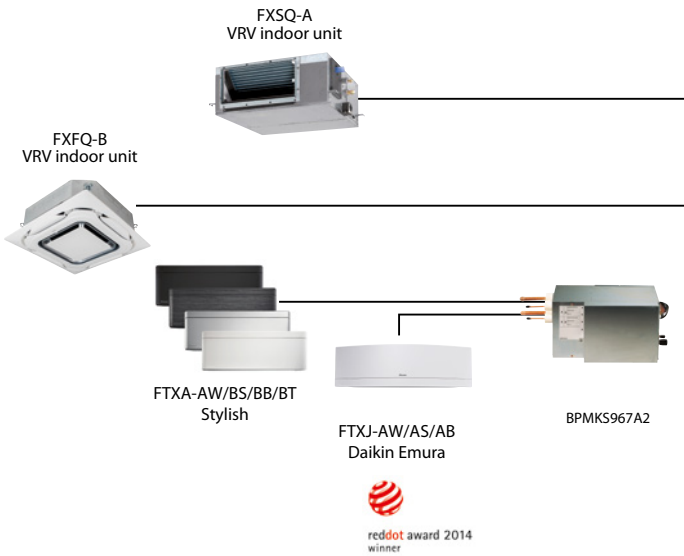


Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

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	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max. 6°CWB kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination		4x FXFQ50AVEB	4x FXFQ63AVEB	6x FXFQ50AVEB	1x FXFQ50AVEB + 5x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	3x FXFQ50AVEB + 5x FXFQ63AVEB	2x FXFQ50AVEB + 6x 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	
Maximum number of connectable indoor units						64 (1)		4.2
Indoor index connection	Min.	100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Max.	260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit HeightxWidthxDepth	mm 1,685x930x765			mm 1,685x1,240x765			
Weight	Unit	kg 198			kg 275		kg 308	
Sound power level	Cooling Nom. dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating Prated,h dBA	79.6	80.9	83.5	83.1	86.5	85.3	89.8
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/2,0875						
	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
Piping connections	Liquid OD mm	9.52		12.7			15.9	
	Gas OD mm	19.1	22.2	28.6				
	Total piping System Actual length 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	RXYQ10U	RXYQ8U	RXYQ12U		RXYQ16U		RXYQ18U		RXYQ8U
	Outdoor unit module 2	RXYQ12U	RXYQ16U	RXYQ14U	RXYQ16U	RXYQ18U	RXYQ16U	RXYQ18U	RXYQ20U	RXYQ10U
	Outdoor unit module 3	RXYQ20U								
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	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	106.4
	Max. 6°CWB kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5
Recommended combination		6x FXFQ50AVEB + 4x FXFQ63AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	7x FXFQ50AVEB + 5x FXFQ63AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 5x FXFQ63AVEB	8x FXFQ63AVEB + 4x FXFQ80AVEB	3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB	2x FXFQ50AVEB + 10x FXFQ63AVEB + 2x FXFQ80AVEB	6x FXFQ50AVEB + 10x 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 (1)								
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	15.9			19.1				41.3	
	Gas OD mm	28.6	34.9					41.3		
	Total piping System Actual length 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

Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT	•	•	•	•	•		
Perfera wall mounted	FTXM-R	•	•	•	•	•	•	•
Perfera floor standing	<b>NEW</b> FVXM-A9	•	•	•		•		

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

More details and final information can be found by scanning or clicking the QR codes.



RYYQ-U



RXYQ-U

Outdoor unit system		RYYQ/RXYQ	40U	42U	44U	46U	48U	50U	52U	54U	
System	Outdoor unit module 1		RXYQ10U			RXYQ12U	RXYQ14U	RXYQ16U		RXYQ18U	
	Outdoor unit module 2		RXYQ12U			RXYQ16U			RXYQ18U		
	Outdoor unit module 3		RXYQ18U			RXYQ16U			RXYQ18U		
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	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2	
	Max. 6°CWB	kW	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5	
Recommended combination			9x FXFQ50AVEB + 9x FXFQ63AVEB	12x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 8x FXFQ63AVEB + 4x FXFQ80AVEB	1x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	12x FXFQ63AVEB + 6x FXFQ80AVEB	3x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 14x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 15x 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 (1)								
Indoor index connection	Min.		500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0	
	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 System Actual length	m	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		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 Max. pressure	Pa	78							
Sound power level	Cooling Nom.	dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9	
	Heating Prated,h	dBA	79.6	80.9	83.5	83.1	86.5	85.3	89.8	
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	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%) | Contains fluorinated greenhouse gases

\* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland