

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
- 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

LOOP
BY DAIKIN

For units made
and sold in Europe**

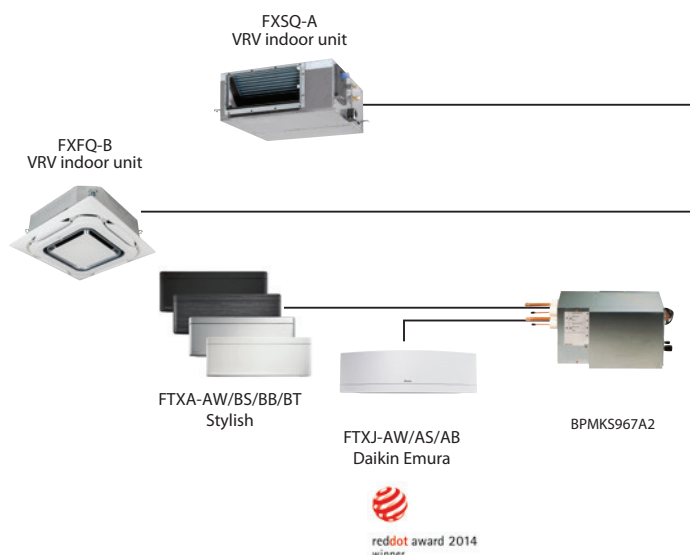


Already fully compliant
to LOT 21 - Tier 2

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		4.2	4.0
Maximum number of connectable indoor units				64 (1)						
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			1,685x1,240x765			
Weight	Unit		kg	RYYQ: 252 / RXYQ: 201			RYYQ: 319 / RXYQ: 281		RYYQ: 378 / RXYQ: 314	
Sound power level	Cooling	Nom.	dB(A)	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated,h	dB(A)	79.6	80.9	83.5	83.1	86.5	85.3	89.8
Sound pressure level	Cooling	Nom.	dB(A)	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
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			10	8		12			16		8
	Outdoor unit module 2			12	16	14	16	18	16	18	20	10
	Outdoor unit module 3						-					20
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						
	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



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	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		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	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 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

* Units sourced from different factories. Depending on your region your model name might be different.

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