

VRV heat pump optimised for heating

Where heating is priority without compromising on efficiency

- Specifically developed for heating operation in low ambient conditions, making it suitable for single source heating
- Stable heating capacity down to -15°C, thanks to vapour injection compressor
- Extended operation range down to -25°C in heating
- High reliability in severe conditions, thanks to hot gas bypass circuit in the heat exchanger
- 15% increased heating capacity at high relative humidity (2°CDB/1°CWB and RH=83%) vs previous model
- Shorter defrost and heat up time, compared to standard VRV heat pump
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains

- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 500m
- Less installation time and smaller footprint compared to previous model thanks to removal of function unit



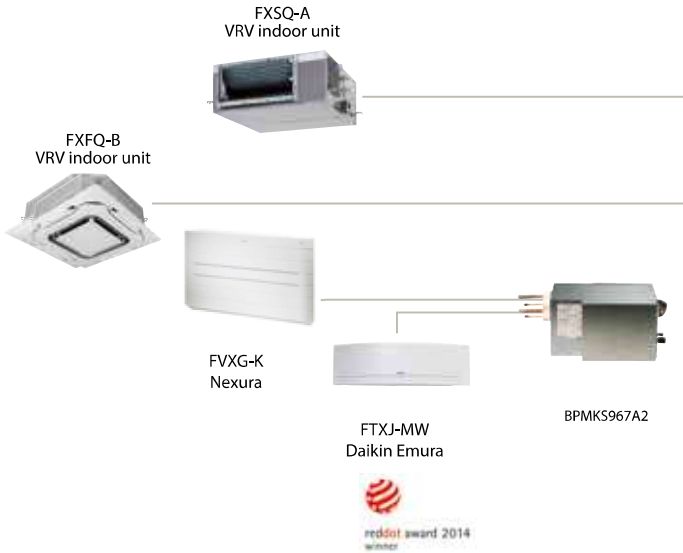
Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Access all technical information on RXYLQ-T at my.daikin.eu or click here

Outdoor unit		RXYLQ	10T	12T	14T
Capacity range		HP	10	12	14
Cooling capacity	Prated,c		28	33.5	40
Heating capacity	Prated,h		31.5	37.5	45
	Max. 6°CWB		31.50	37.50	45.00
Recommended combination			4 x FXMQ63P7VEB	6 x FXMQ50P7VEB	1 x FXMQ50P7VEB + 5 x FXMQ63P7VEB
ηs,c		%	251.4	274.4	270.1
ηs,h		%	144.3	137.6	137.1
SEER			6.36	6.93	6.83
SCOP			3.68	3.51	3.5
Maximum number of connectable indoor units				64 (1)	
Indoor index connection	Min.		175	210	245
	Nom.		250	300	350
	Max.		325	390	455
Dimensions	Unit	HeightxWidthxDepth	mm		
Weight	Unit		kg		
Sound power level	Cooling	Nom.	77	81	81
Sound pressure level	Cooling	Nom.	56	59	59
Operation range	Cooling	Min.-Max.	°CDB		
	Heating	Min.-Max.	°CWB		
Refrigerant	Type/GWP		R-410A/2,087.5		
	Charge	kg/TCO2Eq	11.8/24.6		
Piping connections	Liquid	OD	9.5		12.7
	Gas	OD	22.2		28.6
	Total piping length	System Actual	m		
Power supply	Phase/Frequency/Voltage		Hz/V		
Current - 50Hz	Maximum fuse amps (MFA)		25	3N~/50/380-415	32

Outdoor unit		RXYLQ	16T	18T	20T	22T	24T	26T	28T
System	Outdoor unit module 1		RXMLQ8T	RXYLQ10T	RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ14T
	Outdoor unit module 2		RXMLQ8T	RXMLQ8T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ14T	RXYLQ14T
Capacity range		HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c		44.8	50.4	56	61.5	67	73.5	80
Heating capacity	Prated,h								
	Max. 6°CWB		50	56.5	63	69	75	82.5	90
Recommended combination			4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	3 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	2 x FXMQ50P7VEB + 6 x FXMQ63P7VEB	6 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	4 x FXMQ50P7VEB + 4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	7 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	6 x FXMQ50P7VEB + 4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB
ηs,c		%	-						
ηs,h		%	-						
SEER			-						
SCOP			-						
Maximum number of connectable indoor units			64 (1)						
Indoor index connection	Min.		280	315	350	385	420	455	490
	Nom.		400	450	500	550	600	650	700
	Max.		520	585	650	715	780	845	910
Piping connections	Liquid	OD	12.7	15.9	15.9	15.9	15.9	19.1	
	Gas	OD	28.6	28.6	28.6	28.6	34.9		
	Total piping length	System Actual	m						
Power supply	Phase/Frequency/Voltage		Hz/V						
Current - 50Hz	Maximum fuse amps (MFA)		40	45	50	3N~/50/380-415			60



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		RXYLQ	30T	32T	34T	36T	38T	40T	42T
System	Outdoor unit module 1	RXYLQ10T							
	Outdoor unit module 2	RXYLQ10T							
	Outdoor unit module 3			RXYLQ12T			RXYLQ14T		RXYLQ14T
Capacity range	HP	30	32	34	36	38	40	42	
Cooling capacity	Prated,c kW	84	89,5	95	101	107	114	120	
Heating capacity	Prated,h kW				-				
	Max. 6°CWB	kW	94,5	100,5	106,5	112,5	120	127,5	135
Recommended combination			9 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	8 x FXMQ63P7VEB + 4 x FXMQ80P7VEB	3 x FXMQ50P7VEB + 9 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	2 x FXMQ50P7VEB + 10 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	6 x FXMQ50P7VEB + 10 x FXMQ63P7VEB	9 x FXMQ50P7VEB + 9 x FXMQ63P7VEB	12 x FXMQ63P7VEB + 4 x FXMQ80P7VEB
ηs,c	%				-				
ηs,h	%				-				
SEER					-				
SCOP					-				
Maximum number of connectable indoor units					64 (1)				
Indoor index connection	Min.		525	560	595	630	665	700	735
	Nom.		750	800	850	900	950	1000	1050
	Max.		975	1040	1105	1170	1235	1300	1365
Piping connections	Liquid OD	mm	19,1	19,1	19,1	19,1	19,1	19,1	19,1
	Gas OD	mm	34,9	34,9	34,9	41,3		41,3	
	Total piping length	System Actual					500		
Power supply	Phase/Frequency/Voltage	Hz/V				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)	A	80				90		

Outdoor unit		RXMLQ	8T	
Dimensions	Unit HeightxWidthxDepth	mm	1,685x1,240x765	
Weight	Unit	kg	302	
Sound power level	Cooling Nom.	dB(A)	75,0	
Sound pressure level	Cooling Nom.	dB(A)	55,0	
Operation range	Cooling Min.~Max.	°CDB	-5,0~43,0	
	Heating Min.~Max.	°CWB	-25,0~16,0	
Refrigerant	Type/GWP		R-410A/2,087.5	
	Charge	kg/CO2eq	11.8/24.6	
Piping connections	Liquid OD	mm	9,5	
	Gas OD	mm	19,1	
	Total piping length	System Actual	500	
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)	A	20	

(1) Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system