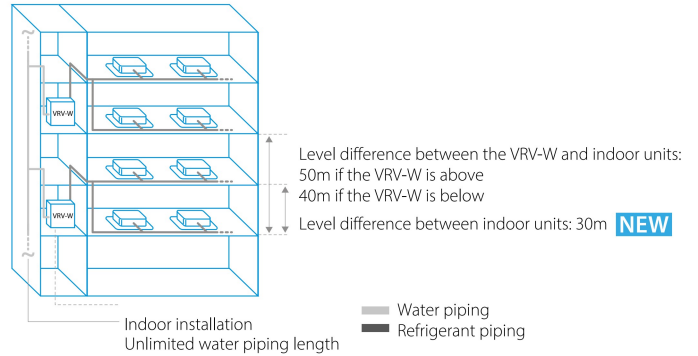


VRV IV water cooled+ series

Ideal for high rise buildings, using water as heat source

- › Environmental conscious solution: reduced CO2 emissions thanks to the use of geothermal energy as a renewable energy source and typical lower refrigerant levels making it ideal to comply with EN378
- › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units, Biddle air curtains and hot water
- › Unique zero heat dissipation principle obviates the need for ventilation or cooling in the technical room, maximising installation flexibility
- › 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
- › Developed for easy installation and servicing: choice between top or front connection for refrigerant piping and rotating switch box for easy access to serviceable parts
- › Compact & lightweight design can be stacked for maximum space saving: 42HP can be installed in less than 0,5m² floorspace
- › 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- › Unified model for heat pump and heat recovery version and geothermal and standard operation

- › Variable Water Flow control option increases flexibility and control
- › 2 analogue input signals allowing external control of ON-OFF, operation mode, error signal, ...
- › Contains all standard VRV features



Already fully compliant
to LOT 21 - Tier 2

**Published data with
real-life indoor units**

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)			•	•		•	•	

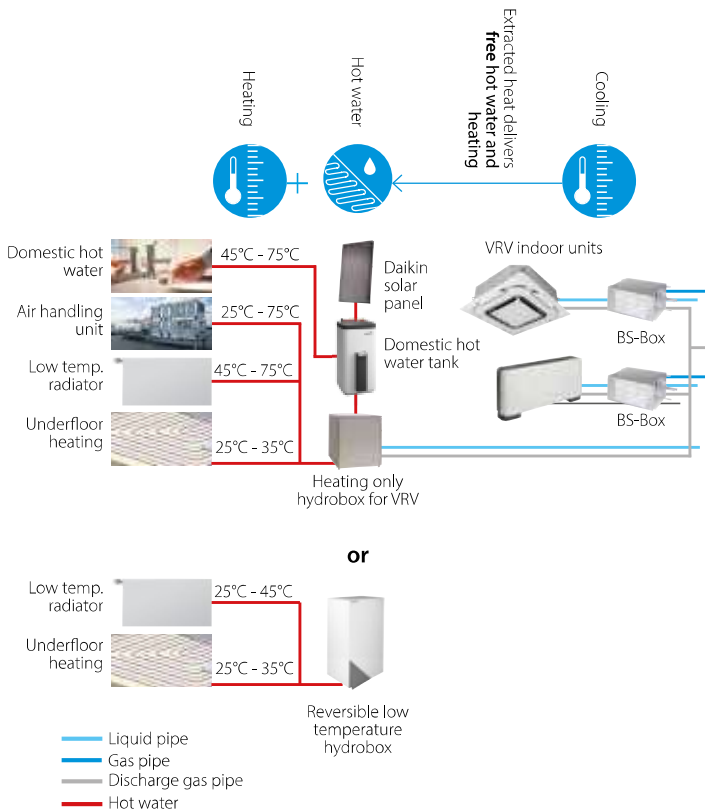
BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

Access all technical information on RWEYQ-T9 at my.daikin.eu or click here

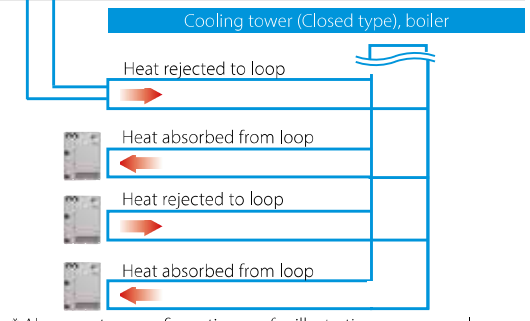
Outdoor unit		RWEYQ	8T9	10T9	12T9	14T9
Capacity range		HP	8	10	12	14
Cooling capacity	Prated,c	kW	22.4	28.0	33.5	40.0
Heating capacity	Prated,h	kW	25.0	31.5	37.5	45.0
	Max. 6°CWB	kW	25.0	31.5	37.5	45.0
Recommended combination			4 x FXMQ50P7VEB	4 x FXMQ63P7VEB	6 x FXMQ50P7VEB	1 x FXMQ50P7VEB + 5 x FXMQ63P7VEB
ηs,c		%	326.8	307.8	359.0	330.7
ηs,h		%	524.3	465.9	436.0	397.1
SEER			8.4	7.9	9.2	8.5
SCOP			13.3	11.8	11.1	10.1
Maximum number of connectable indoor units				64 (1)		
Indoor index connection	Min.		100.0	125.0	150.0	175.0
	Nom.					
	Max.		300.0	375.0	450.0	525.0
Dimensions	Unit	HeightxWidthxDepth	mm			
Weight	Unit		kg			
Sound power level	Cooling	Nom.	dB(A)			
Sound pressure level	Cooling	Nom.	dB(A)			
Operation range	Inlet water temperature	Cooling	Min.~Max. °CDB			
		Heating	Min.~Max. °CWB			
	Temperature around casing	Max.	°CDB			
		Humidity around casing	Cooling-Heating	Max. %		
Refrigerant	Type/GWP	R-410A/2,087.5				
	Charge	kg/TCO2Eq	7.9/16.5		9.6/20.0	
Piping connections	Liquid	OD	mm			
	Gas	OD	mm			
	HP/LP gas	OD	19.1 (2)		22.2 (2)	
	Drain	Size	14mm OD/ 10mm ID			
	Water	Inlet/Outlet	Size	ISO 228-G1 1/4 B/ISO 228-G1 1/4 B		
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415			
	Current - 50Hz	Maximum fuse amps (MFA)	20		25	



Stage 1 heat recovery between indoor units



Stage 2 heat recovery between outdoor units



Outdoor unit System		RWEYQ	16T9	18T9	20T9	22T9	24T9	26T9	28T9	
System	Outdoor unit module 1		RWEYQ8T		RWEYQ10T		RWEYQ12T		RWEYQ14T	
	Outdoor unit module 2		RWEYQ8T	RWEYQ10T					RWEYQ14T	
Capacity range		HP	16	18	20	22	24	26	28	
Cooling capacity	Prated,c	kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0	
Heating capacity	Prated,h	kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0	
	Max.	6°CWB	kW	50.0	56.5	62.5	69.0	75.0	82.5	
ηs,c		%	307.6	308.7	298.1	311.3	342.6	322.5	306.1	
ηs,h		%	459.2	491.1	466.8	447.9	434.5	406.9	387.9	
SEER			7.9		7.7	8.0	8.8	8.3	7.9	
SCOP			11.7	12.5	11.9	11.4	11.1	10.4	9.9	
Recommended combination			4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	6 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	4 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	8 x FXMQ63P7VEB	12 x FXMQ50P7VEB	7 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	2 x FXMQ50P7VEB + 10 x FXMQ63P7VEB	
Maximum number of connectable indoor units					64 (1)					
Indoor index connection	Min.		200.0	225.0	250.0	275.0	300.0	325.0	350.0	
	Nom.									
	Max.		600.0	675.0	750.0	825.0	900.0	975.0	1,050.0	
Piping connections	Liquid	OD	mm	127	159				191	
	Gas	OD	mm	28.6 (2)					34.9 (2)	
	HP/LP gas	OD	mm	22.2 (3) / 28.6 (4)		28.6 (3) / 28.6 (4)		28.6 (3) / 34.9 (4)		
	Total piping length	System	Actual			500				
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)	A	32		35	40		50		

Outdoor unit System		RWEYQ	30T9	32T9	34T9	36T9	38T9	40T9	42T9	
System	Outdoor unit module 1		RWEYQ10T		RWEYQ12T		RWEYQ14T		RWEYQ14T	
	Outdoor unit module 2		RWEYQ10T		RWEYQ12T		RWEYQ14T			
	Outdoor unit module 3		RWEYQ10T	RWEYQ12T					RWEYQ14T	
Capacity range		HP	30	32	34	36	38	40	42	
Cooling capacity	Prated,c	kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0	
Heating capacity	Prated,h	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0	
	Max.	6°CWB	kW	94.5	100.5	106.5	112.5	120.0	127.5	
Recommended combination			12 x FXMQ63P7VEB	6 x FXMQ50P7VEB + 8 x FXMQ63P7VEB	12 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	18 x FXMQ50P7VEB	13 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	8 x FXMQ50P7VEB + 10 x FXMQ63P7VEB	3 x FXMQ50P7VEB + 15 x FXMQ63P7VEB	
ηs,c		%	308.3	318.2	342.5	352.3	338.8	341.4	332.9	
ηs,h		%	467.2	456.1	447.0	438.5	419.4	404.4	391.2	
SEER			7.9	8.2	8.8	9.0	8.7		8.5	
SCOP			11.9	11.6	11.4	11.2	10.7	10.3	10.0	
Maximum number of connectable indoor units			64 (1)							
Indoor index connection	Min.		375.0	400.0	425.0	450.0	475.0	500.0	525.0	
	Nom.									
	Max.		1,125.0	1,200.0	1,275.0	1,350.0	1,425.0	1,500.0	1,575.0	
Piping connections	Liquid	OD	mm	19.1 (2)						
	Gas	OD	mm	34.9					41.3	
	HP/LP gas	OD	mm	28.6 (3) / 34.9 (4)				41.3 (3) / 34.9 (4)		
	Total piping length	System	Actual			500				
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)	A	50	63		80				

(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%) | (2) In case of heat pump system, gas pipe is not used (3) In case of heat recovery system (4) In case of heat pump system