

VRV IV water cooled series

RWEYQ-T9



Inverter

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
- › Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- › Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7-segment display and full inverter compressors

UNIQUE › Unique zero heat dissipation principle obviates the need for ventilation or cooling in the technical room, maximising installation flexibility

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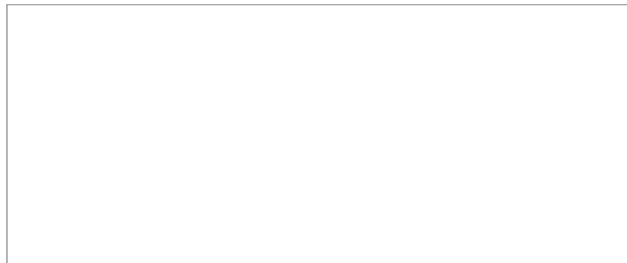
RWEYQ-T9

Outdoor unit		RWEYQ	8T9	10T9	12T9	14T9
Capacity range		HP	8	10	12	14
Cooling capacity	Nom. 30°C inlet water temp. Nom. Waterflow	kW	22.4 (1)	28.0 (1)	33.5 (1)	40.0 (1)
Heating capacity	Nom. 20°C inlet water temp. Nom. Waterflow	kW	25.0 (2)	31.5 (2)	37.5 (2)	45.0 (2)
Power input - 50Hz	Cooling 30°C inlet water temp. Nom. Waterflow	kW	3.5 (1)	4.9 (1)	6.0 (1)	7.9 (1)
	Heating 20°C inlet water temp. Nom. Waterflow	kW	3.9 (2)	4.9 (2)	6.2 (2)	8.4 (2)
EER at nom. capacity	30°C inlet water temp. Nom. Waterflow	kW/kW	6.40 (1)	5.75 (1)	5.55 (1)	5.04 (1)
COP at nom. capacity	20°C inlet water temp. Nom. Waterflow	kW/kW	6.50 (2)	6.40 (2)	6.10 (2)	5.37 (2)
Maximum number of connectable indoor units			64			
Indoor index connection	Min.		100	125	150	175
	Nom.		200	250	300	350
	Max.		300	375	450	525
Dimensions	Unit	HeightxWidthxDepth mm	980x767x560			
Weight	Unit	kg	195		197	
Fan	Air flow rate	Cooling Nom. m ³ /min	-			
Sound power level	Cooling	Nom. dBA	65 (3)	71 (3)	72 (3)	74 (3)
Sound pressure level	Cooling	Nom. dBA	48 (3)	50 (3)	56 (3)	58 (3)
Operation range	Inlet water temperature	Cooling Min.-Max. °CDB	10~45			
		Heating Min.-Max. °CWB	10~45			
Refrigerant	Type		R-410A			
	GWP		20,875.0			
	Charge	TCO ₂ eq	16.5		20.0	
Piping connections	Liquid	OD	9.52			
	Gas	OD	19.1 (4)		22.2 (4)	
	HP/LP gas	OD	15.90 (5) / 19.10 (6)	19.10 (5) / 22.20 (6)		19.10 (5) / 28.60 (6)
	Total piping length	System Actual	165			
	Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)	A	25			

Outdoor unit		RWEYQ	16T9	18T9	20T9	22T9	24T9	26T9	28T9	30T9	32T9	34T9	36T9	38T9	40T9	42T9
Capacity range		HP	16	18	20	22	24	26	28	30	32	34	36	38	40	42
Cooling capacity	Nom. 30°C inlet water temp. Nom. Waterflow	kW (1)	44.8	50.4	56.0	61.5	67.0	73.5	80.0	84.0	89.5	95.0	100.5	107.0	113.5	120.0
Heating capacity	Nom. 20°C inlet water temp. Nom. Waterflow	kW (2)	50.0	56.5	63.0	69.0	75.0	82.5	90.0	94.5	100.5	106.5	112.5	120.0	127.5	135.0
Power input - 50Hz	Cooling 30°C inlet water temp. Nom. Waterflow	kW (1)	7.0	8.4	9.7	10.9	12.1	13.8	15.9	14.6	15.8	16.9	18.1	19.7	21.7	23.8
	Heating 20°C inlet water temp. Nom. Waterflow	kW (2)	7.7	8.8	9.8	11.1	12.3	14.4	16.8	14.8	16.0	17.2	18.4	20.4	22.7	25.1
EER at nom. capacity	30°C inlet water temp. Nom. Waterflow	kW/kW (1)	6.40	6.02	5.75	5.65	5.56	5.33	5.04	5.75	5.68	5.61	5.56	5.43	5.23	5.04
COP at nom. capacity	20°C inlet water temp. Nom. Waterflow	kW/kW (2)	6.50	6.44	6.40	6.23	6.10	5.74	5.37	6.40	6.28	6.19	6.10	5.89	5.61	5.37
Maximum number of connectable indoor units			64													
Indoor index connection	Min.		200	205	225	245	265	285	305	325	345	365	385	405	425	445
	Nom.		400	410	450	490	530	570	610	650	690	730	770	810	850	890
	Max.		600	615	675	735	795	855	915	975	1,035	1,095	1,155	1,215	1,275	1,335
Sound power level	Cooling	Nom. dBA (3)	68	72	74	75	75	76	77	76	76	77	77	78	79	
Sound pressure level	Cooling	Nom. dBA (3)	51	52	53	57	59	60	61	55	58 (3)	60	61	62	63	
Piping connections	Liquid	OD	-													
	Gas	OD	-													
	Total piping length	System Actual	165													
Current - 50Hz	Maximum fuse amps (MFA)	A	25	50						80						

(1) Indoor temperature : 27°CDB, 19°CWB; outdoor temperature : 35°CDB, 24°CWB
 (2) Indoor temperature : 20°CDB, 15°CWB; outdoor temperature : 7°CDB, 6°CWB.
 (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | In case of heat pump system, gas pipe is not used | In case of heat recovery system | In case of heat pump system | In case only VRV indoor units are connected | In accordance with EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Ssc ≥ minimum Ssc value

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