NEW
RWEYQ-T(B)9

Water-to-air heat pump

Welcome a new range of features

More flexibility

- Mixed connection of HT hydroboxes and VRV indoor units
- Connects to stylish indoor units such as Daikin Emura, Nexura, … (no mixed connection with other indoors possible)
- Extension of the range: 8-10-12-14HP, combinable up to 42HP while keeping the most compact casing in the market
- Extended piping length up 165m (actual)
- Extended indoor unit height difference to 30m

Easier commissioning & customisation

- 7 segment display
- 2 analogue input signals allowing external control of
  - ON-OFF (e.g. compressor)
  - Operation mode (cooling / heating)
  - Limit of capacity
  - Error signal

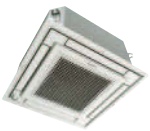
Most compact casing in the market!

8 to 20 HP 22 to 36 HP 38 to 42 HP

Total solution

NEW Daikin Emura wall mounted unit

NEW Nexura Floor standing unit



Fully flat cassette

Biddle air curtain

NEW Air handling unit for ventilation

NEW Low temperature hydrobox

NEW High temperature hydrobox

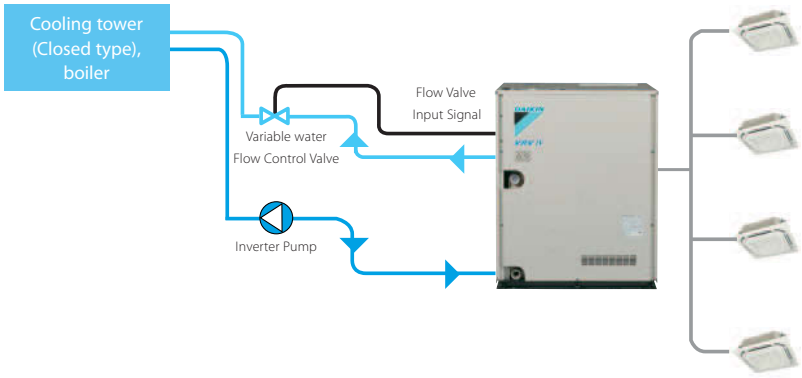
With all existing standard functions

Indoor installation makes unit invisible from the outside

- Seamless integration in the surrounding architecture as you cannot see the unit
- Highly suited for sound sensitive areas as there is no external operation sound
- Very flexible indoor installation as there is no heat dissipation
- Superior efficiency, even in the most extreme outside conditions, especially in geothermal operation

Variable water flow control

- The variable water flow control option reduces excessive energy use by the circulation pump.
- By controlling a variable water valve, the water flow is reduced when possible, saving energy.
- Via 0~10 volt



Lower refrigerant concentration levels

Water-cooled VRV systems typically have less refrigerant per system making it ideal to comply with the EN378 legislation limiting the amount of refrigerant in hospitals and hotels.

The refrigerant levels remain limited thanks to:
- limited distance between outdoor and indoor unit
- modularity: enabling small systems per floor instead of one big system. Thanks to the water circuit heat recovery is still possible in the entire building

Maximum design flexibility and installation speed

- Quickly and flexibly design your system with a unique range of single and multi BS boxes.
- A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
- Free combination of single and multi BS boxes

Single port

BS1Q 10,16,25A

Multi port: 4 – 6 – 8 – 10 – 12 – 16

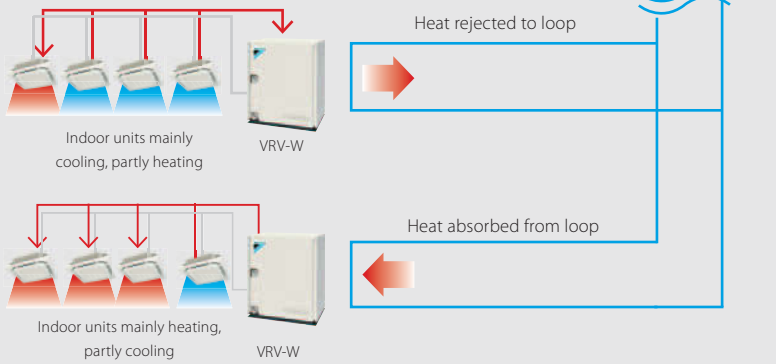
BS 4 Q14 A

BS 6, 8 Q14 A

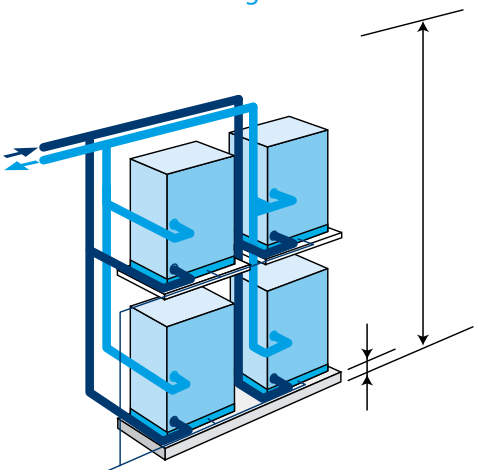
BS 10, 12 Q14 A

BS 16 Q14 A

2-stage heat recovery



Stacked configuration

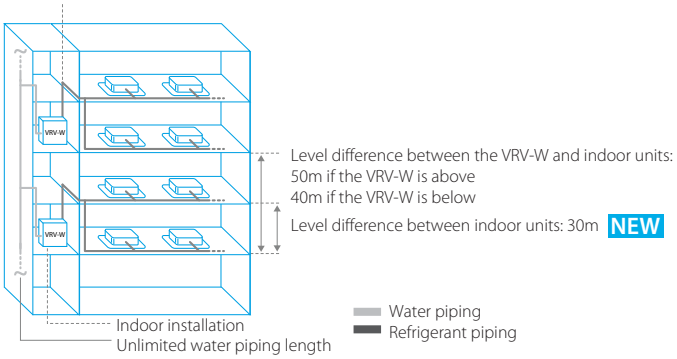


VRV IV water cooled series

AVAILABLE FROM MID 2017 ONWARDS

Ideal for high rise buildings, using water as heat source

- Unified range for standard and geothermal series simplifies stock. Geothermal series reduce CO2 emmisions thanks to the use of geothermal energy as a renewable energy source
- No need for an external heating or cooling source when used in geothermal mode
- 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, ...
- Compact & lightweight design can be stacked for maximum space saving
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- Available in heat pump and heat recovery version
- Variable Water Flow control option increases flexibility and control
- 2 analogue input signals allowing external control
- Contains all standard VRV features



NEW Extended piping length between indoor and outdoor units up to 165m (actual)

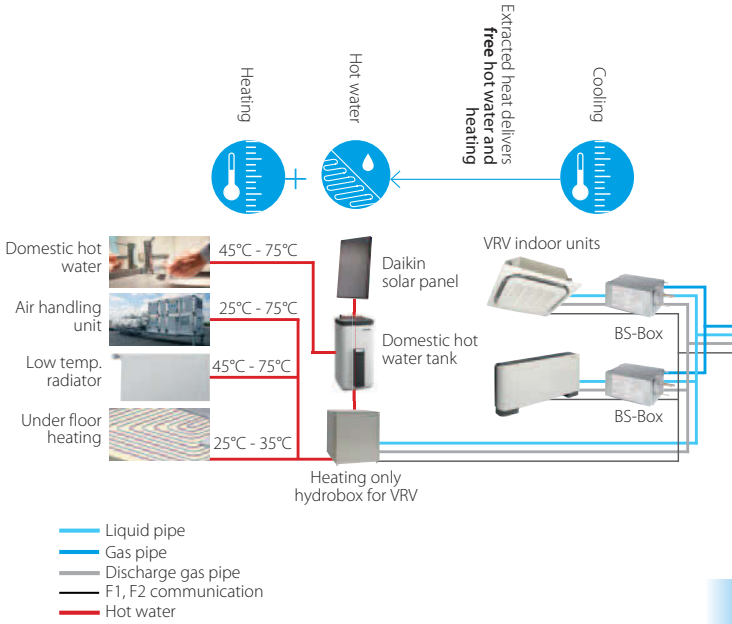
Outdoor unit				RWEYQ	8T(B)9	10T(B)9	12T(B)9	14T(B)9
Cooling capacity	Nom.	35°CDB		kW	22.4	28.0	33.5	40.0
Heating capacity	Nom.	6°CWB		kW	25.0	31.5	37.5	45.0
EER at nom. capacity	35°CDB			kW/kW	6.40	5.75	5.55	5.04
COP at nom. capacity	6°CWB			kW/kW	6.50	6.40	6.10	5.37
Indoor index connection		Min.			100	125	150	275
		Nom.			200	250	300	350
		Max.			300	375	450	525
Dimensions	Unit	HeightxWidthxDepth		mm	1,000 x 780 x 550			
Weight	Unit			kg	185			
Sound power level	Cooling	Nom.		dBA	-			
Sound pressure level	Cooling	Nom.		dBA	-			
Operation range	Inlet water temperature		Min.~Max.	°C	10 ~ 45			
Piping connections	Liquid	OD		mm	9.52		12.7	
	Gas	OD		mm	19.1	22.2	28.6	
	Discharge gas	OD		mm	15.9 (1) / 19.1 (2)	19.1 (1) / 22.2 (2)	19.1 (1) / 28.6 (2)	22.2 (1) / 28.6 (2)
Piping connections	Total piping length	System	Actual	m	300			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415			

Outdoor system			RWEYQ	16T(B)9	18T(B)9	20T(B)9	22T(B)9	24T(B)9	26T(B)9	28T(B)9
System	Outdoor unit module 1			RWEYQ8T(B)9	RWEYQ8T(B)9	RWEYQ8T(B)9	RWEYQ10T(B)9	RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ14T(B)9
	Outdoor unit module 2			RWEYQ8T(B)9	RWEYQ10T(B)9	RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ14T(B)9	RWEYQ14T(B)9
Capacity range			HP	16	18	20	22	24	26	28
Cooling capacity		35°CDB	kW	44.8	50.4	55.9	61.5	67	73.5	80
EER at nom. Capacity		35°CDB	kW	6.4	6.08	5.98	5.65	5.55	5.30	5.04
Heating capacity		6°CWB	kW	50	56.5	62.5	69	75	82.5	90
COP at nom. Capacity		6°CWB	kW	6.5	6.45	6.3	6.25	6.1	5.735	5.37

*Note: blue cells contain preliminary data

(1) in case of heat recovery
(2) in case of heat pump

Stage 1 heat recovery between indoor units



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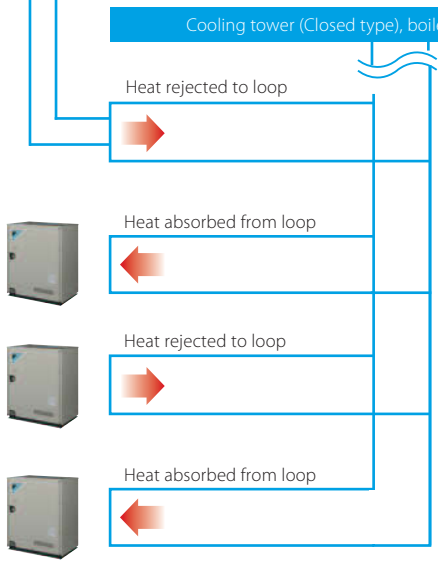
Stage 2 heat recovery between outdoor units



* Above system configuration are for illustration purpose only.

Outdoor system			RWEYQ	30T(B)9	32T(B)9	34T(B)9	36T(B)9	38T(B)9	40T(B)9	42T(B)9
System	Outdoor unit module 1			RWEYQ8T(B)9	RWEYQ8T(B)9	RWEYQ8T(B)9	RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ14T(B)9
	Outdoor unit module 2			RWEYQ10T(B)9	RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ14T(B)9	RWEYQ14T(B)9
	Outdoor unit module 3			RWEYQ12T(B)9	RWEYQ12T(B)9	RWEYQ14T(B)9	RWEYQ12T(B)9	RWEYQ14T(B)9	RWEYQ14T(B)9	RWEYQ14T(B)9
Capacity range			HP	30	32	34	36	38	40	42
Cooling capacity		35°CDB	kW	83.9	89.4	95.9	100.5	107	113.5	120
EER at nom. Capacity		35°CDB	kW	5.9	5.83	5.66	5.55	5.38	5.21	5.04
Heating capacity		6°CWB	kW	94	100	107.5	112.5	120	127.5	135
COP at nom. Capacity		6°CWB	kW	6.33	6.23	5.99	6.1	5.85	5.61	5.37

*Note: blue cells contain preliminary data