

R2 Series VRF

High Efficiency (101-124kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

CITY MULTI

Delivering outstanding Seasonal Energy Efficiency, the High Efficiency City Multi R2 Heat Recovery system provides simultaneous heating and cooling, with the added benefit of heat recovery.

As the only 2-pipe Heat Recovery system on the market, the modular City Multi R2 range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Ideal for a wide range of applications such as hotels, offices and leisure premises.

Key Features & Benefits:

- High efficiency system delivers outstanding seasonal energy performance
- Heat recovery achieves energy savings of up to 30% over Heat Pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application
- Connectable to a broad choice of indoor unit types and capacities



Air Conditioning Product Information

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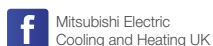
OUTDOOR UNITS		PURY-EP900YSNW-A2	PURY-EP950YSNW-A2	PURY-EP1000YSNW-A2	PURY-EP1050YSNW-A2	PURY-EP1100YSNW-A2
CAPACITY (kW)	Heating (nominal)	112.0	119.0	126.0	132	138.0
	Cooling (nominal)	100.0	106.0	112.0	116.0	120.0
	High Performance Heating (UK)	100.8	107.1	113.4	118.8	124.2
	COP Priority Heating (UK)	96.3	102.3	108.4	113.5	118.7
	Cooling (UK)	89.5	94.9	100.2	103.8	107.4
POWER INPUT (kW)	Heating (nominal)	37.83	40.61	43.29	46.15	49.28
	Cooling (nominal)	39.06	41.89	44.97	48.73	53.08
	High Performance Heating (UK)	50.31	54.01	57.58	62.15	66.69
	COP Priority Heating (UK)	36.70	39.39	41.99	44.77	47.80
	Cooling (UK)	25.00	26.81	28.78	28.26	33.97
COP / EER (nominal)		2.96 / 2.56	2.93 / 2.53	2.91 / 2.49	2.86 / 2.38	2.80 / 2.26
SCOP / SEER		- / -	- / -	- / -	- / -	- / -
MAX NO. OF CONNECTABLE INDOOR UNITS		50	50	50	50	50
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	315 / 315	315 / 295	295 / 295	295 / 410	410 / 410
	Gas	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")
PIPE SIZE mm (in)	Liquid	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	34.93 (1-3/8")	34.93 (1-3/8")
	Heating / Cooling	73.0 / 68.5	71.5 / 68.0	67.5 / 66.5	71.5 / 71.0	73.0 / 73.0
SOUND PRESSURE LEVEL (dBA) @ 1m		92.0 / 86.0	91.0 / 86.0	87.0 / 85.0	91.0 / 90.0	92.0 / 92.0
SOUND POWER LEVEL (dBA) @ 100% CAPACITY		86.0 / 81.5	85.5 / 81.0	84.0 / 79.5	85.5 / -	85.5 / -
SOUND POWER LEVEL (dBA) @ 90% CAPACITY		79.5 / 77.0	80.0 / 77.0	80.5 / 76.5	80.0 / -	81.5 / -
SOUND POWER LEVEL (dBA) @ 75% CAPACITY		301 + 301	301 + 346	346 + 346	346 + 346	346 + 346
WEIGHT (kg)	Width	1240 + 1240	1240 + 1750	1750 + 1750	1750 + 1750	1750 + 1750
	Depth	740	740	740	740	740
	Height	1858	1858	1858	1858	1858
(1798mm without legs)						
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*2		Three	Three	Three	Three	Three
STARTING CURRENT (A)*1		8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*1		60.6 / 62.6 [37.3 + 37.3]	65.1 / 67.1 [37.3 + 40.3]	69.4 / 72.1 [40.3 + 40.3]	74.0 / 78.1.0 [40.3 + 51.2]	79.0 / 85.1 [51.2 + 51.2]
GUARANTEED OPERATING RANGE (°C)		-20~-15.5 / -5~-52	-20~-15.5 / -5~-52	-20~-15.5 / -5~-52	-20~-15.5 / -5~-52	-20~-15.5 / -5~-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		1 x 40 / 1 x 40	1 x 40 / 1 x 50	1 x 50 / 1 x 50	1 x 50 / 1 x 63	1 x 63 / 1 x 63
MAINS CABLE No. Cores*1		4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		21.6 / 45.1	21.6 / 45.1	21.6 / 45.1	21.6 / 45.1	21.6 / 45.1
MAX ADDITIONAL REFRIGERANT (KG) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		64.4 / 134.4	64.4 / 134.4	64.4 / 134.4	64.4 / 134.4	64.4 / 134.4

Notes: ErP Lot 6 calculation method to EN14825. *1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

PURY-EP900YSNW-A2 DIMENSIONS		PURY-EP950/1000/1050YSNW-A2 DIMENSIONS		PURY-EP1100YSNW-A2 DIMENSIONS	
SIDE VIEW	FRONT VIEW	SIDE VIEW	FRONT VIEW	SIDE VIEW	FRONT VIEW



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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

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