

R2 Series VRF

High Efficiency (100-120kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

CITY MULTI

Delivering outstanding Seasonal Energy Efficiency, the City Multi R2 Series VRF High Efficiency 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 **PURY-EP** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.



Key Features & Benefits:

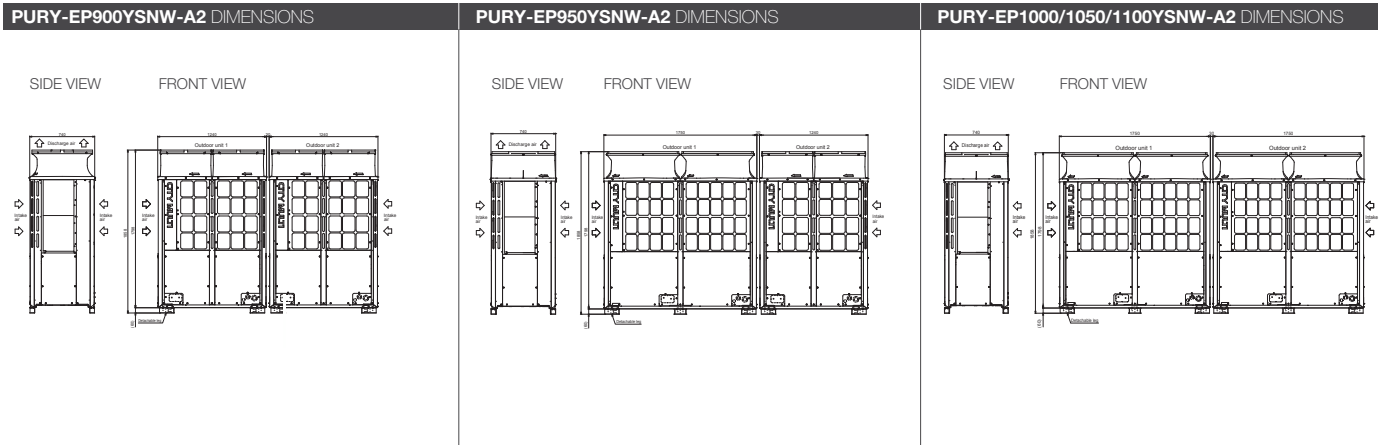
- High efficiency system delivers outstanding seasonal energy performance
- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable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





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	132.0	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	52.15	55.69
	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	
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
PIPE SIZE mm (in)	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")
	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")
SOUND PRESSURE LEVEL (dBA) @ 1m	Heating / Cooling	73.0 / 68.5	71.5 / 68.0	67.5 / 66.5	71.5 / 71.0	73.0 / 73.0
SOUND POWER LEVEL (dBA) @ 100% CAPACITY	Heating / Cooling	92.0 / 86.0	91.0 / 86.0	87.0 / 85.0	90.2 / 89.8	92.0 / 92.0
SOUND POWER LEVEL (dBA) @ 90% CAPACITY	Heating / Cooling	88.5 / 81.5	85.5 / 81.0	84.0 / 79.5	87.2 / 84.3	89.0 / 86.5
SOUND POWER LEVEL (dBA) @ 75% CAPACITY	Heating / Cooling	82.5 / 77.0	80.0 / 77.0	80.5 / 76.5	82.7 / 80.1	84.5 / 82.0
WEIGHT (kg)		301 + 301	301 + 346	346 + 346	346 + 346	346 + 346
DIMENSIONS (mm)	Width	1240 + 1240	1240 + 1750	1750 + 1750	1750 + 1750	1750 + 1750
	Depth	740	740	740	740	740
	Height (1798mm without legs)	1858	1858	1858	1858	1858
ELECTRICAL SUPPLY ¹		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE ¹		Three	Three	Three	Three	Three
STARTING CURRENT (A) ¹		8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) ¹	Heating / Cooling [MAX]	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 [40.3 + 51.2]	79.0 / 85.1 [51.2 + 51.2]
GUARANTEED OPERATING RANGE (°C)	Heating / Cooling	-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: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.
¹ A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.



Telephone: 01707 282880
 email: air.conditioning@meuk.mee.com
les.mitsubishielectric.co.uk



UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881
 IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

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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).

Effective as of April 2023

