

R2 Series VRF

High Efficiency (50-63kW)

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

R2 Series VRF

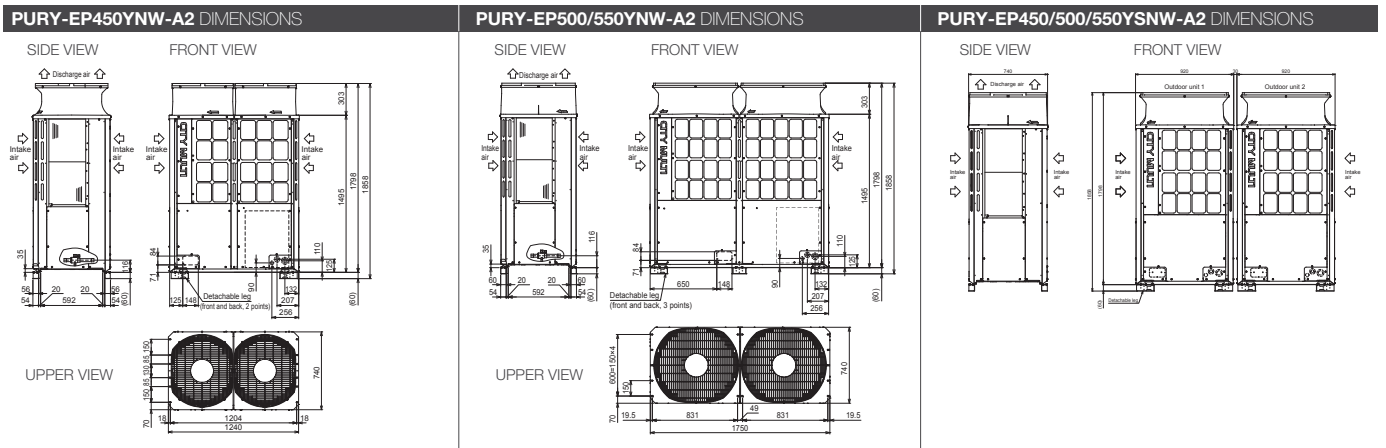
High Efficiency (50-63kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit



OUTDOOR UNITS		PURY-EP450YNW-A2	PURY-EP450YSNW-A2	PURY-EP500YNW-A2	PURY-EP500YSNW-A2	PURY-EP550YNW-A2	PURY-EP550YSNW-A2
CAPACITY (kW)	Heating (nominal)	56.0	56.5	63.0	63.0	69.0	69.0
	Cooling (nominal)	50.0	50.4	56.0	56.0	60.0	61.5
	High Performance Heating (UK)	50.4	56.5	56.7	63.0	62.1	65.6
	COP Priority Heating (UK)	48.2	51.4	57.3	57.3	59.3	62.8
	Cooling (UK)	44.8	45.1	50.1	50.1	53.7	55.0
POWER INPUT (kW)	Heating (nominal)	18.36	16.56	21.00	19.62	23.87	21.10
	Cooling (nominal)	18.93	16.31	21.78	20.14	25.70	21.65
	High Performance Heating (UK)	20.75	21.20	23.73	25.11	26.97	28.06
	COP Priority Heating (UK)	18.36	16.56	21.00	19.62	23.87	21.10
	Cooling (UK)	12.12	9.46	13.94	11.68	16.45	12.56
COP / EER (nominal)	3.05 / 2.64	3.41 / 3.09	3.00 / 2.57	3.21 / 2.78	2.89 / 2.33	3.27 / 2.84	
SCOP / SEER	-	-	-	-	-	-	
MAX NO. OF CONNECTABLE INDOOR UNITS	-	45	45	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	50~150% OU Capacity
AIRFLOW (m³/min)	High	315	170 / 185	295	185 / 185	410	185 / 240
PIPE SIZE mm (in)	Gas	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8") / 28.58 (1-1/8")*	22.2 (7/8") / 28.58 (1-1/8")*
SOUND PRESSURE LEVEL (dBA) @ 1m	Heating / Cooling	70.0 / 65.5	63.5 / 63.0	64.5 / 63.5	64.0 / 63.5	70.0 / 70.0	68.0 / 64.0
SOUND POWER LEVEL (dBA) @ 100% CAPACITY	Heating / Cooling	89.0 / 83.0	82.0 / 81.0	84.0 / 82.0	83.0 / 81.0	89 / 89	87.0 / 83.0
SOUND POWER LEVEL (dBA) @ 90% CAPACITY	Heating / Cooling	83.0 / 78.5	78.5 / 75.5	81.0 / 76.5	79.0 / 76.5	82.5 / 78.0	81.5 / 77.0
SOUND POWER LEVEL (dBA) @ 75% CAPACITY	Heating / Cooling	76.5 / 74.0	76.5 / 71.5	77.5 / 73.5	75.5 / 72.5	78.5 / 74.5	77.5 / 73.0
WEIGHT (kg)	-	301	219 + 228	346	228 + 228	346	228 + 230
DIMENSIONS (mm)	Width	1240	920 + 920	1750	920 + 920	1750	920 + 920
	Depth	740	740	740	740	740	740
	Height	1858	1858	1858	1858	1858	1858
(1798mm without legs)	-	-	-	-	-	-	
ELECTRICAL SUPPLY*2	-	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*2	-	Three	Three	Three	Three	Three	Three
STARTING CURRENT (A)*2	-	8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*2	Heating / Cooling [MAX]	29.4 / 30.3 [37.3]	26.5 / 26.1 [16.1 + 20.3]	33.6 / 34.9 [40.3]	31.4 / 32.2 [20.3+20.3]	38.2 / 41.2 [51.2]	33.8 / 34.7 [22.3 + 20.3]
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	-20-15.5 / -5~-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*2	-	1 x 40	1 x 20 / 1 X 25	1 x 50	1 x 25 / 1 X 25	1 x 63	1 x 25 / 1 x 25
MAINS CABLE No. Cores*2	-	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)	-	10.8 / 22.5	10.4 / 21.7	10.8 / 22.6	10.4 / 21.7	10.8 / 22.6	10.4 / 21.7
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)	-	44.7 / 93.3	48.6 / 101.5	45.2 / 94.4	48.6 / 101.5	45.2 / 94.4	48.6 / 101.5

Notes: ErP Lot 6 calculation method to EN14825. *1 If distance from OU to BC controller is greater than 65m. *2 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



Mitsubishi Electric Living Environmental Systems UK



Mitsubishi Electric Cooling and Heating UK



[mitsubishielectricuk_les](https://www.instagram.com/mitsubishielectricuk_les)



Mitsubishi Electric Living Environmental Systems UK



thehub.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)

Country of origin: United Kingdom - Italy - Turkey - Japan - Thailand - Malaysia. ©Mitsubishi Electric Europe 2022. Mitsubishi and Mitsubishi Electric are trademarks of Mitsubishi Electric Europe B.V. The company reserves the right to make any variation in technical specification to the equipment described, or to withdraw or replace products without prior notification or public announcement. Mitsubishi Electric is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.

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 August 2022

