

R2 Series VRF

Standard Efficiency (22.4-45kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

CITY MULTI

The City Multi R2 Heat Recovery system meets the demand for 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:

- Energy efficient operation through heat recovery, saving up to 30% over Heat Pump systems
- Utilises lower GWP R32 refrigerant
- 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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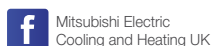
OUTDOOR UNITS		PURY-P200YNW-A2	PURY-P250YNW-A2	PURY-P300YNW-A2	PURY-P350YNW-A2	PURY-P400YNW-A2	PURY-P400YSNW-A2
CAPACITY (kW)	Heating (nominal)	25.0	31.5	33.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	44.8
	High Performance Heating (UK)	25.0	31.5	31.8	42.8	45.0	50.0
	COP Priority Heating (UK)	22.8	28.7	30.1	41.0	43.0	45.5
	Cooling (UK)	20.0	25.1	30.0	35.8	40.3	40.1
POWER INPUT (kW)	Heating (nominal)	6.79	9.57	9.62	13.88	16.66	14.00
	Cooling (nominal)	6.68	10.25	11.75	14.92	19.65	13.78
	High Performance Heating (UK)	8.56	12.06	12.79	18.46	18.99	17.92
	COP Priority Heating (UK)	6.79	9.57	9.62	13.88	16.16	14.00
	Cooling (UK)	3.87	5.95	6.82	8.65	12.58	7.99
COP / EER (nominal)		3.68 / 3.35	3.29 / 2.73	3.48 / 2.85	3.24 / 2.68	3.00 / 2.29	3.57 / 3.25
SCOP / SEER		-	-	-	-	-	-
MAX NO. OF CONNECTABLE INDOOR UNITS		20	25	30	35	40	40
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	170	220	240	250	315	170 / 170
	Gas	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
PIPE SIZE mm (in)	Liquid	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")
	Gas	59.0 / 59.0	64.0 / 60.5	67.0 / 61.0	64.0 / 62.5	69.0 / 65.0	62.0 / 62.0
SOUND PRESSURE LEVEL (dBA) @ 1m		Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling
SOUND POWER LEVEL (dBA) @ 100% CAPACITY		76.0 / 76.0	83.0 / 78.0	86.0 / 80.0	83.0 / 81.0	88.0 / 83.0	79.0 / 79.0
SOUND POWER LEVEL (dBA) @ 90% CAPACITY		- / 71.0	81.0 / 73.5	78.5 / 74.5	81.0 / 76.0	81.0 / 77.0	- / 74.0
SOUND POWER LEVEL (dBA) @ 75% CAPACITY		- / 66.5	77.0 / 69.5	74.5 / 70.5	77.0 / 73.0	75.0 / 73.0	- / 69.5
WEIGHT (kg)		214	223	225	269	269	214 + 214
	Width	920	920	920	1240	1240	920 + 920
	Depth	740	740	740	740	740	740
	Height	1858	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	380-415v, 50Hz
PHASE ^{*1}		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A) ^{*1}		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) ^{*1}		Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]
GUARANTEED OPERATING RANGE (°C)		Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling
FUSE RATING (MCB sizes BS EN 60947-2) - (A) ^{*1}		1 x 20	1 x 25	1 x 25	1 x 32	1 x 40	1 x 20 / 1 x 20
MAINS CABLE No. Cores ^{*1}		4 + earth	4 + earth	4 + earth	4 + earth	4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		5.2 / 10.9	5.2 / 10.9	5.2 / 10.9	8 / 16.7	8 / 16.7	10.4 / 21.7
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		31.8 / 66.4	37.8 / 78.9	37.8 / 78.9	41.3 / 86.2	47.3 / 98.8	60.6 / 126.5

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-P200/250/300YNW-A2 DIMENSIONS			PURY-P350/400YNW-A2 DIMENSIONS			PURY-P400YSNW-A2 DIMENSIONS		
SIDE VIEW			SIDE VIEW			SIDE VIEW		
FRONT VIEW			FRONT VIEW			FRONT VIEW		
UPPER VIEW			UPPER VIEW			UPPER 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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