

R2 Series VRF

Standard Efficiency (101-124kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

CITY MULTI

Throughout the year, many buildings require cooling in some areas and heating in others - even in adjacent rooms. The outstanding City Multi R2 system meets these requirements by distributing surplus heat from cooling operations (and vice versa) to rooms where it is needed. This efficiency can result in energy savings up to 30% over conventional systems.

Key Features & Benefits:

- High efficiency heat recovery system
- Delivers the highest levels of comfort, both thermally and acoustically
- Flexible design, installation and maintenance



Air Conditioning Product Information

R2 Series VRF

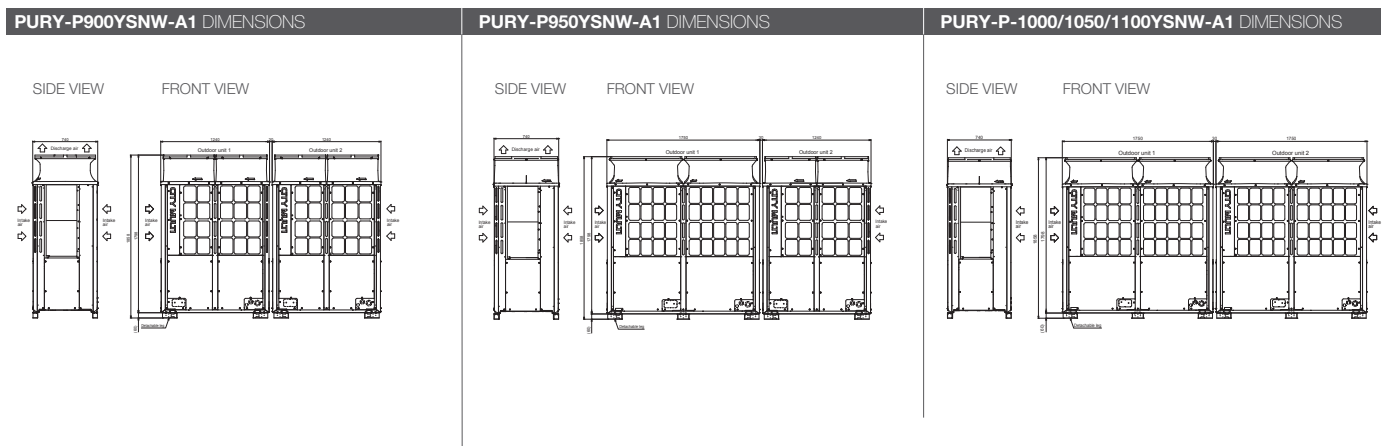
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OUTDOOR UNITS		PURY-P900YSNW-A1	PURY-P950YSNW-A1	PURY-P1000YSNW-A1	PURY-P1050YSNW-A1	PURY-P1100YSNW-A1
CAPACITY (kW)	Heating (nominal)	113.0	119.5	127.0	132.0	140.0
	Cooling (nominal)	101.0	108.0	113.0	118.0	124.0
	High Performance Heating (UK)	101.7	107.6	114.3	118.8	126.0
	COP Priority Heating (UK)	97.2	102.8	109.2	113.5	120.4
	Cooling (UK)	90.4	96.7	101.1	105.6	111.0
POWER INPUT (kW)	Heating (nominal)	32.10	34.04	36.38	38.82	42.42
	Cooling (nominal)	30.88	34.83	38.56	41.54	45.09
	High Performance Heating (UK)	36.27	38.47	41.09	43.87	47.93
	COP Priority Heating (UK)	31.14	33.02	35.27	37.66	41.15
	Cooling (UK)	19.76	22.29	24.68	27.00	29.31
COP / EER (nominal)		3.52 / 3.27	3.51 / 3.10	3.49 / 2.93	3.40 / 2.84	3.30 / 2.75
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	73.0 / 68.0	73.0 / 69.0
SOUND PRESSURE LEVEL (dBA) @ 1m	Heating / Cooling	92.0 / 86.0	91.0 / 86.0	87.0 / 85.0	91.0 / 86.0	92.0 / 86.0
SOUND POWER LEVEL (dBA) @ 100% CAPACITY	Heating / Cooling	86.0 / 81.5	85.5 / 81.0	84.0 / 79.5	85.0 / 80.5	85.5 / 81.0
SOUND POWER LEVEL (dBA) @ 90% CAPACITY	Heating / Cooling	79.5 / 77.0	80.0 / 77.0	80.5 / 76.5	81.0 / 77.0	81.5 / 77.5
SOUND POWER LEVEL (dBA) @ 75% CAPACITY	Heating / Cooling	289 + 289	289 + 335	335 + 335	335 + 335	335 + 335
WEIGHT (kg)		1240 + 1240	1240 + 1750	1750 + 1750	1750 + 1750	1750 + 1750
DIMENSIONS (mm)	Width	740	740	740	740	740
	Depth	1858	1858	1858	1858	1858
(1798mm without legs)	Height	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
ELECTRICAL SUPPLY*1		Three	Three	Three	Three	Three
PHASE*1		8	8	8	8	8
STARTING CURRENT (A)*1		51.4 / 49.5 [37.1 + 37.1]	54.5 / 55.8 [37.1 + 43.2]	58.3 / 61.8 [43.2 + 43.2]	62.2 / 66.6 [43.2 + 47.5]	68.0 / 72.3 [47.5 + 47.5]
NOMINAL SYSTEM RUNNING CURRENT (A)*1	Heating / Cooling [MAX]	-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
GUARANTEED OPERATING RANGE (°C)	Heating / Cooling	1 x 40 / 1 x 40	1 x 40 / 1 x 50	1 x 50 / 1 x 50	1 x 50 / 1 x 50	1 x 50 / 1 x 50
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth
MAINS CABLE No. Cores*1		21.6 / 45.1	21.6 / 45.1	21.6 / 45.1	21.6 / 45.1	21.6 / 45.1
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		77.4 / 161.6	77.4 / 161.6	77.4 / 161.6	77.4 / 161.6	77.4 / 161.6
MAX ADDITIONAL REFRIGERANT (KG) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)						

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.



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Note: The fuse rating is for guidance only. 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 May 2020

