MITSUBISHI ELECTRIC

R2 Series VRF

Standard Efficiency (69-96kW)

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 flexiblity.

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
- 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

R410A

Air Conditioning | **Product Information**

R2 Series VRF
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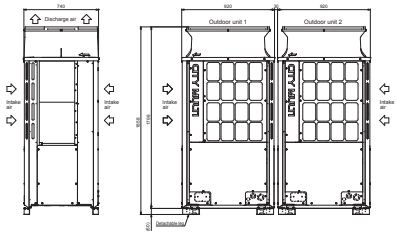
R410A

OUTDOOR UNITS		PURY-P600YSNW-A2	PURY-P650YSNW-A2	PURY-P700YSNW-A2	PURY-P750YSNW-A2	PURY-P800YSNW-A2	PURY-P850YSNW-A2
CAPACITY (kW)	Heating (nominal)	67.00	78.50	90.00	95.0	100.0	106.0
	Cooling (nominal)	67.00	73.50	80.0	85.0	90.0	95.00
	High Performance Heating (UK)	63.7	74.6	85.5	85.5	90.0	95.4
	COP Priority Heating (UK)	61.0	71.4	81.9	81.7	86.0	91.2
	Cooling (UK)	60.0	65.8	71.6	76.1	80.6	85.0
POWER INPUT (kW)	Heating (nominal)	19.81	24.07	28.66	31.35	34.36	36.55
	Cooling (nominal)	24.27	27.42	30.76	35.26	40.54	40.77
	High Performance Heating (UK)	26.35	32.01	38.12	35.43	38.83	41.30
	COP Priority Heating (UK)	19.22	24.07	28.66	30.41	33.33	35.45
	Cooling (UK)	14.08	15.90	17.84	20.45	25.95	26.09
COP / EER (nominal)		3.38 / 2.76	3.26 / 2.68	3.14 / 2.60	3.03 / 2.41	2.91 / 2.22	2.90 / 2.33
SCOP / SEER		- / -	- / -	- / -	- / -	- / -	- / -
MAX NO. OF CONNECTABLE INDOOR UNITS		50	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	50~150% OU Capacity
AIRFLOW (m^3/min)	High	240 / 240	240 / 250	250 / 250	250 / 315	315 / 315	315 / 315
PIPE SIZE mm (in)	Gas	28.58 (1-1/8")	28.58 (1-1/8")	34.93 (1-3/8")	34.93 (1-3/8")	34.93 (1-3/8")	41.28 (1-5/8")
	Liquid	22.2 (7/8") / 28.58 (1-1/8")*1	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")
SOUND PRESSURE LEVEL (dBA) @ 1m	Heating / Cooling	70.0 / 64.0	69.0 / 65.0	67.0 / 65.5	70.5 / 67.0	72.0 / 68.0	72.5 / 68.5
SOUND POWER LEVEL (dBA) @ 100% CAPACITY	Heating / Cooling	89.0 / 83.0	88.0 / 84.0	86.0 / 84.0	90.0 / 86.0	91.0 / 86.0	92.0 / 86.0
SOUND POWER LEVEL (dBA) @ 90% CAPACITY	Heating / Cooling	81.5 / 77.5	83.0 / 78.5	84.0 / 79.0	83.5 / 79.5	83.0 / 80.0	85.0 / 81.0
SOUND POWER LEVEL (dBA) @ 75% CAPACITY	Heating / Cooling	77.5 / 73.5	79.0 / 75.0	80.0 / 76.0	79.5 / 76.0	78.0 / 76.0	79.0 / 76.5
WEIGHT (kg)		225 + 225	225 + 269	269 + 269	269 + 269	269 + 269	269 + 289
DIMENSIONS (mm)	Width	920 + 920	920 + 1240	1240 + 1240	1240 + 1240	1240 + 1240	1240 + 1240
	Depth	740	740	740	740	740	740
(1798mm without legs)	Height	1858	1858	1858	1858	1858	1858
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]	31.7 / 38.9 [23.4 + 23.4]	38.6 / 43.9 [23.4 + 27.6]	45.9 / 49.3 [27.6 + 27.6]	50.2 / 56.5 [27.6 + 35.1]	55.1 / 65.0 [35.1 + 35.1]	58.6 / 65.3 [35.1 + 39.0]
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 25 / 1 x 25	1 x 25 / 1 x 32	1 x 32 / 1 x 32	1 x 32 / 1 x 40	1 x 40 / 1 x 40	1 x 40 / 1 x 40
MAINS CABLE No. Cores*2		4 + earth / 4 + earth	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)		10.4 / 21.7	13.2 / 27.6	16 / 33.4	16 / 33.4	16 / 33.4	18.8 / 39.3
MAX ADDITIONAL REFRIGERANT (KG) / CO_2 EQUIVALENT (T) R410A (GWP 2088)		48.6 / 101.5	45.8 / 95.6	70 / 146.2	70 / 146.2	70 / 146.2	67.2 / 140.3

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.

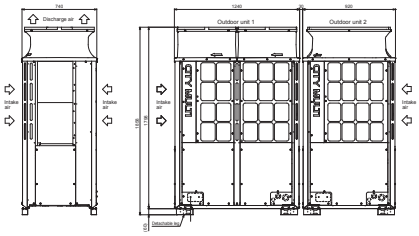
PURY-P600YSNW-A2 DIMENSIONS

SIDE VIEW FRONT VIEW



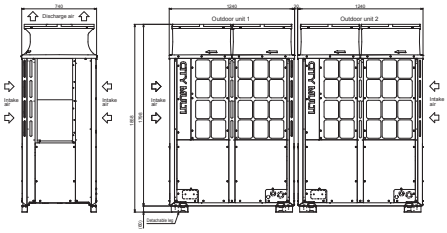
PURY-P650YSNW-A2 DIMENSIONS

SIDE VIEW FRONT VIEW



PURY-P700/750/800/850YSNW-A2 DIMENSIONS

SIDE VIEW FRONT VIEW



MITSUBISHI ELECTRIC
Changes for the Better

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Note: 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), R290 (GWP:3), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R454C (GWP:148), 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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Green Gateway greengateway.mitsubishielectric.co.uk