

# Air Conditioning

## Product Information

### R2 Series Standard (69-96kW)

Simultaneous Heating and Cooling  
with Heat Recovery Outdoor Unit

Making a  
World of  
Difference

CITY MULTI

**NEXT**  
GENERATION VRF



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

- Highest specification, highest efficiency heat recovery system available
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Cooling | Heating | Ventilation | Controls

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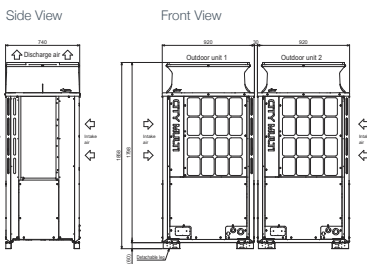


OUTDOOR UNITS		PURY-P600YSNW-A	PURY-P650YSNW-A	PURY-P700YSNW-A	PURY-P750YSNW-A	PURY-P800YSNW-A	PURY-P850YSNW-A
CAPACITY (kW)	Heating (nominal)	76.5	81.5	88.0	95.0	100	108
	Cooling (nominal)	69.0	73.0	80.0	85.0	90.0	96.0
	High Performance Heating (UK)	72.68	77.43	83.60	85.50	90.00	97.20
	COP Priority Heating (UK)	69.62	74.17	80.08	81.70	86.00	92.88
	Cooling (UK)	65.83	69.64	76.32	81.09	84.91	90.57
POWER INPUT (kW)	Heating (nominal)	17.62	19.35	21.56	24.86	28.16	28.49
	Cooling (nominal)	16.62	18.19	20.72	22.30	23.90	24.99
	High Performance Heating (UK)	23.43	25.74	28.67	28.09	31.82	32.19
	COP Priority Heating (UK)	17.62	19.35	21.56	24.11	27.32	27.64
	Cooling (UK)	9.64	10.55	12.02	12.93	15.32	15.99
COP / EER (nominal)	4.34 / 4.15	4.21 / 4.01	4.08 / 3.86	3.82 / 3.81	3.55 / 3.76	3.79 / 3.84	
SCOP / SEER	- / -	- / -	- / -	- / -	- / -	- / -	
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	50~150% OU Capacity
AIRFLOW (m³/min)	High	240 / 240	240 / 250	250 / 250	250 / 315	315 / 315	315 / 315
	Low	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") <sup>*1</sup>	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)		70.0	69.0	67.0	70.5	72.0	72.5
SOUND POWER LEVEL (dBA)		89.5	88.5	86.0	89.5	91.0	91.5
WEIGHT (kg)		231 + 231	231 + 273	273 + 273	273 + 273	273 + 273	273 + 293
DIMENSIONS (mm)	Width	950 + 920	920 + 1240	1240 + 1240	1240 + 1240	1240 + 1240	1240 + 1240
	Depth	740	740	740	740	740	740
	Height	1858	1858	1858	1858	1858	1858
(1798mm without legs)							
ELECTRICAL SUPPLY <sup>*2</sup>		380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz
PHASE <sup>*2</sup>		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A) <sup>*2</sup>		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) <sup>*2</sup>	Heating / Cooling [MAX]	27.2 / 25.6 [22.7 + 22.7]	29.9 / 28.1 [22.7 + 27.6]	33.3 / 32.0 [27.6 + 27.6]	38.4 / 34.4 [27.6 + 35.1]	43.5 / 36.9 [35.1 + 35.1]	44.0 / 38.6 [35.1 + 37.1]
	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) <sup>*2</sup>		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 <sup>*2</sup>		4 / 4	4 / 4	4 / 4	4 / 4	4 / 4	4 / 4
CHARGE REFRIGERANT (kg) / CO <sub>2</sub> 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 <sub>2</sub> EQUIVALENT (t) R410A (GWP 2088)		60.6 / 126.5	65.6 / 137.0	79.6 / 166.2	79.6 / 166.2	83 / 173.3	80.2 / 167.5

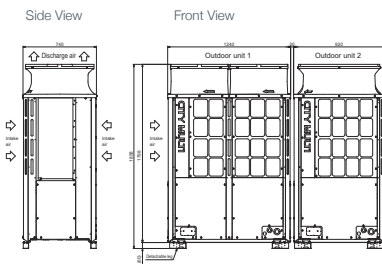
Note: ErP Lot 6 calculation method to EN14825. \*1 If distance from OU to BC controller is greater than 65m. \*2 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

### PRODUCT DIMENSIONS

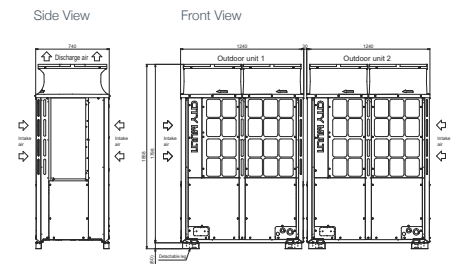
#### PURY-P600YSNW-A



#### PURY-P650YSNW-A



#### PURY-P700/750/800/850YSNW-A



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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) or R134a (GWP:1430). \*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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Effective as of November 2017

# Air Conditioning

## Product Information

### R2 Series Standard (101-124kW)

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Cooling | Heating | Ventilation | Controls

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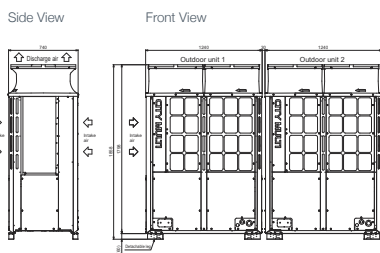


OUTDOOR UNITS		PURY-P900YSNW-A	PURY-P950YSNW-A	PURY-P1000YSNW-A	PURY-P1050YSNW-A	PURY-P1100YSNW-A
CAPACITY (kW)	Heating (nominal)	113	120	127	132	140
	Cooling (nominal)	101	108	113	118	124
	High Performance Heating (UK)	101.7	108.0	114.3	118.8	126.0
	COP Priority Heating (UK)	97.2	103.2	109.2	113.5	120.4
	Cooling (UK)	95.3	101.9	106.6	111.3	117.0
POWER INPUT (kW)	Heating (nominal)	28.03	29.79	31.74	34.10	37.52
	Cooling (nominal)	25.76	26.40	26.45	29.20	32.54
	High Performance Heating (UK)	31.67	33.66	35.87	38.53	42.40
	COP Priority Heating (UK)	27.19	28.90	30.79	33.08	36.39
	Cooling (UK)	16.49	16.90	16.93	18.98	21.15
COP / EER (nominal)	4.03 / 3.92	4.01 / 4.09	4.00 / 4.27	3.87 / 4.04	3.73 / 3.81	
SCOP / SEER	- / -	- / -	- / -	- / -	- / -	
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")
	SOUND PRESSURE LEVEL (dBA)	73.0	71.5	67.5	73.0	73.0
SOUND POWER LEVEL (dBA)		92.0	90.5	87.0	92.0	92.0
WEIGHT (kg)		293 + 293	293 + 337	337 + 337	337 + 337	337 + 337
DIMENSIONS (mm)	Width	1240 + 1240	1240 + 1750	1750 + 1750	1750 + 1750	1750 + 1750
	Depth	740	740	740	740	740
	Height	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
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]	43.3 / 39.8 [37.1 + 37.1]	46.0 / 40.8 [37.1 + 43.2]	49.0 / 40.8 [43.2 + 43.2]	52.7 / 45.1 [43.2 + 47.5]	57.9 / 50.2 [47.5 + 47.5]
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 50	1 x 50 / 1 x 50
MAINS CABLE No. Cores*1		4 / 4	4 / 4	4 / 4	4 / 4	4 / 4
CHARGE REFRIGERANT (kg) / CO <sub>2</sub> 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 <sub>2</sub> 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

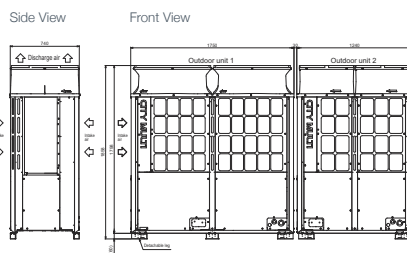
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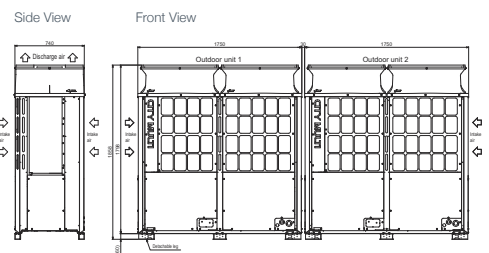
### PURY-P900YSNW-A



### PURY-P950YSNW-A



### PURY-P1000/1050/1100YSNW-A



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