

Y Series VRF

Standard Efficiency (101-124kW)

Heat Pump Outdoor Unit (Heating or Cooling)

CITY MULTI

City Multi **Y Series VRF** Heat Pump technology provides a simple and flexible solution where there is demand for one outdoor unit to provide all or selected indoor units with heating or cooling at a given time.

These modular Heat Pump systems provide complete design flexibility for applications such as open-plan offices, call centres and retail spaces.



Key Features & Benefits:

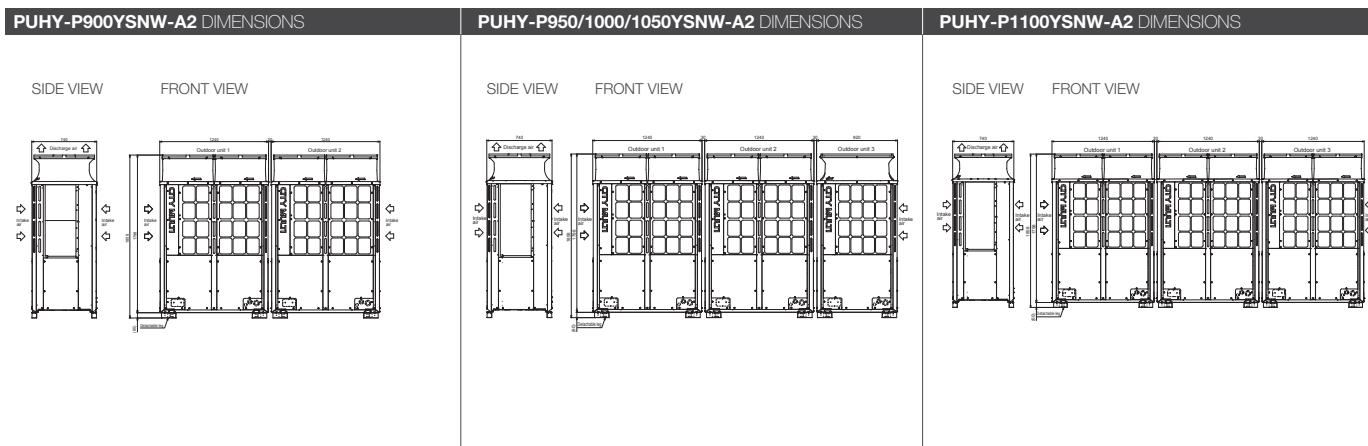
- Energy efficient Heat Pump system
- Delivers high levels of thermal and acoustic comfort
- 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application
- Connectable to a broad choice of indoor unit types and capacities





OUTDOOR UNITS		PUHY-P900YSNW-A2	PUHY-P950YSNW-A2	PUHY-P1000YSNW-A2	PUHY-P1050YSNW-A2	PUHY-P1100YSNW-A2
CAPACITY (kW)	Heating (nominal)	112.0	121.5	126.5	131.5	140
	Cooling (nominal)	100.0	108.0	113	118	125.0
	High Performance Heating (UK)	100.8	109.4	113.9	118.4	126.0
	COP Priority Heating (UK)	96.3	104.5	108.8	113.1	120.4
	Cooling (UK)	89.5	96.7	101.1	105.6	111.9
POWER INPUT (kW)	Heating (nominal)	33.03	33.19	35.04	36.93	38.88
	Cooling (nominal)	38.91	38.84	42.48	46.09	46.99
	High Performance Heating (UK)	37.32	37.50	39.60	41.73	43.93
	COP Priority Heating (UK)	32.04	32.19	33.99	35.82	37.71
	Cooling (UK)	24.90	24.86	27.19	29.50	30.07
COP / EER (nominal)		3.39 / 2.57	3.66 / 2.78	3.61 / 2.66	3.56 / 2.56	3.60 / 2.66
MAX NO. OF CONNECTABLE INDOOR UNITS		50	50	50	50	50
MAX CONNECTABLE CAPACITY		50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity
AIRFLOW (m³/min)	High	305 / 305	185 / 270 / 270	185 / 270 / 300	185 / 300 / 300	270 / 270 / 300
PIPE SIZE mm (in)	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")
	Liquid	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
SOUND PRESSURE LEVEL (dBA)	Heating / Cooling	74.0 / 68.5	68.5 / 66.5	70.0 / 68.0	70.5 / 69.0	70.5 / 68.5
SOUND POWER LEVEL (dBA)	Heating / Cooling	93.0 / 87.0	88.0 / 84.0	89.0 / 85.0	90.0 / 86.0	90.0 / 86.0
WEIGHT (kg)		293 + 293	213 + 277 + 277	213 + 277 + 277	213 + 277 + 277	277 + 277 + 277
DIMENSIONS (mm)	Width	1240 + 1240	920 + 1240 + 1240	920 + 1240 + 1240	920 + 1240 + 1240	1240 + 1240 + 1240
	Depth	740	740	740	740	740
	Height (1798mm without legs)	1858	1858	1858	1858	1858
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]	52.9 / 62.4 [37.1 + 37.1]	53.2 / 62.2 [17.8 + 26.4 + 26.4]	56.1 / 68.1 [17.8 + 26.4 + 31.9]	59.2 / 73.9 [17.8 + 31.9 + 31.9]	62.3 / 75.3 [26.4 + 26.4 + 31.9]
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 20 / 1 x 32 / 1 x 32	1 x 20 / 1 x 32 / 1 x 32	1 x 20 / 1 x 32 / 1 x 32	1 x 32 / 1 x 32 / 1 x 32
MAINS CABLE No. Cores*1		4 + earth / 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)		21.6 / 45.1	26.1 / 54.5	26.1 / 54.5	26.1 / 54.5	29.4 / 61.4
MAX ADDITIONAL REFRIGERANT (KG) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		46.4 / 96.9	45.9 / 95.8	45.9 / 95.8	45.9 / 95.8	45.6 / 95.2

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.



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



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)

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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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