MITSUBISHI ELECTRIC

Y Series Standard Efficiency
Heat Pump Outdoor Unit (100-112kW)

CITY MULTI YXM

The **City Multi Y Series VRF Heat Pump systems** provide a simple and flexible solution where heating or cooling is required across all or selected indoor units at any given time.

With a modular outdoor unit design, the system offers complete design freedom and is well suited to applications such as open-plan offices, call centres, and retail spaces.

R32

Key Features & Benefits:

- **Energy Efficient Heat Pump Operation** - Delivers effective heating or cooling to internal spaces, supporting a simple and flexible system design
- **Lower GWP R32 Refrigerant** - for reduced carbon impact and future-ready legislation compliance
- **Ultra-Compact Modular Design** - Smaller unit footprint allows installation in tight spaces without compromising on performance
- **Broad Indoor Unit Compatibility** - Connects to a wide range of unit types and capacities, making it suitable for varied building applications
- **Extended Heating Range (-25°C)** - Ensures reliable heating even in severe winter conditions by maintaining efficient system operation
- **Easy-to-Maintain Safety Feature Options** - For reduced onsite time and costs while supporting occupant peace of mind
- **Low Noise Operation** - Features a 5-step low noise mode that minimises sound levels for quieter surroundings
- **113m Vertical Height Separation** - Offers generous height allowance between indoor and outdoor units, enabling design flexibility in larger buildings

Air Conditioning | **Product Information**

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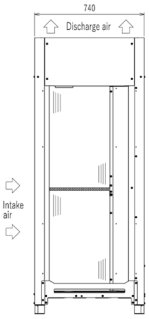
R32

PUHY-M-YSXM-A OUTDOOR UNITS		PUHY-M900YSXM-A	PUHY-M950YSXM-A	PUHY-M1000YSXM-A
CAPACITY (kW)	Heating (Max)	112.0	114.0	116.0
	Cooling (nominal)	100.0	106.0	112.0
	High Performance Heating (UK)	TBC	TBC	TBC
	COP Priority Heating (UK)	TBC	TBC	TBC
	Cooling (UK)	TBC	TBC	TBC
POWER INPUT (kW)	Heating (Max)	33.33	34.13	35.04
	Cooling (nominal)	31.15	34.86	39.16
	High Performance Heating (UK)	TBC	TBC	TBC
	COP Priority Heating (UK)	TBC	TBC	TBC
	Cooling (UK)	TBC	TBC	TBC
COP / EER (Max/Nominal)		3.36 / 3.21	3.34 / 3.04	3.31 / 2.86
SCOP / SEER		4.46 / 7.37	4.41 / 7.13	4.36 / 6.89
MAX NO. OF CONNECTABLE INDOOR UNITS		50	50	50
MAX CONNECTABLE CAPACITY		50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity
AIRFLOW (m^3/min)	High	300 / 300	305 /300	305 /305
PIPE SIZE mm (in)	Gas	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")
SOUND PRESSURE LEVEL (dBA)	Heating / Cooling	72.0 / 67.0	72.0 / 69.0	73.0 / 71.0
SOUND POWER LEVEL (dBA)	Heating / Cooling	93.0 / 87.0	94.0 / 89.0	95.0 / 91.0
WEIGHT (kg)		324 + 324	324 + 324	324 + 324
DIMENSIONS (mm)	Width	1207 + 1207	1207 + 1207	1207 + 1207
	Depth	740	740	740
(1798mm without legs)	Height	1858	1858	1858
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*1		Three	Three	Three
STARTING CURRENT (A)*1		TBC	TBC	TBC
NOMINAL SYSTEM RUNNING CURRENT (A)*1	Heating / Cooling [MAX]	53.4 / 49.9 [TBC]	54.7 / 55.9 [TBC]	56.1 / 62.8 [TBC]
GUARANTEED OPERATING RANGE (°c)	Heating / Cooling	-25~15.5 / -5~52	-25~15.5 / -5~52	-25~15.5 / -5~52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		TBC	TBC	TBC
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) R32 (GWP 675)		18.6 / 12.6	18.6 / 12.6	18.6 / 12.6
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t) R32 (GWP 675)		54.1 / 36.6	54.1 / 36.6	54.1 / 36.6

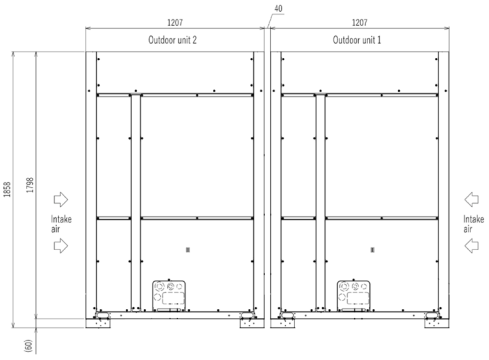
Notes: ErP Lot 6 calculation method to EN14825. *1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

PUHY-M900/950/1000YSXM-A DIMENSIONS

LEFT SIDE VIEW



FRONT VIEW



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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), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R515B (GWP:292), 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. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of February 2025

MEQ CE UK CA