Air Conditioning | Product Information

MITSUBISHI ELECTRIC

Y Series Standard Efficiency
Heat Pump Outdoor Unit (22-45kW)

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

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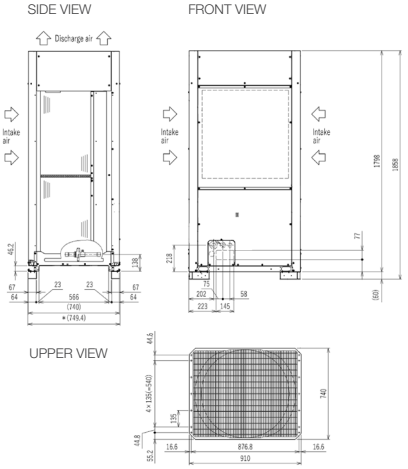
R32

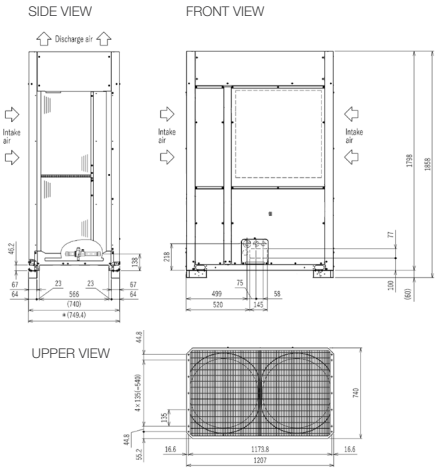
PUHY-M-Y(S)XM-A OUTDOOR UNITS		PUHY-M200YXM-A	PUHY-M250YXM-A	PUHY-M300YXM-A	PUHY-M350YXM-A	PUHY-M400YXM-A	PUHY-M400YSXM-A
CAPACITY (kW)	Heating (nominal max)	25.0	31.5	37.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	44.8
	High Performance Heating (UK)	25.0	31.5	37.5	45.0	50.0	50.0
	COP Priority Heating (UK)	24.0	30.2	36.0	43.2	48.0	48.0
	Cooling (UK)	20.0	25.1	30.0	35.8	40.1	40.1
POWER INPUT (kW)	Heating (nominal max)	5.48	7.48	9.19	12.19	13.51	11.31
	Cooling (nominal)	5.47	7.69	9.25	11.46	13.04	11.14
	High Performance Heating (UK)	7.23	10.17	12.87	16.58	18.78	14.93
	COP Priority Heating (UK)	6.62	9.04	11.03	14.99	16.64	13.57
	Cooling (UK)	4.98	6.84	8.23	10.54	12.00	10.14
COP / EER (nominal max)		4.56 / 4.09	4.21 / 3.64	4.08 / 3.62	3.69 / 3.49	3.70 / 3.45	4.42 / 4.02
SCOP / SEER		4.75 / 7.72	4.75 / 7.40	4.76 / 7.72	4.76 / 7.96	4.59 / 7.59	4.75 / 7.64
MAX NO. OF CONNECTABLE INDOOR UNITS		14	17	21	25	28	28
MAX CONNECTABLE CAPACITY		50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity
AIRFLOW (m^3/min)	High	170	180	235	220	260	170 / 170
PIPE SIZE mm (in)	Gas	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	9.52 (3/8")	9.52 (3/8")*2	9.52 (3/8")*2	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
SOUND PRESSURE LEVEL (dBA)	Heating / Cooling	57.5 / 56.0	58.0 / 56.0	63.5 / 60.5	63.0 / 57.5	64.0 / 61.0	61.0 / 60.0
SOUND POWER LEVEL (dBA)	Heating / Cooling	78.0 / 75.0	79.0 / 78.0	83.0 / 80.0	82.0 / 78.0	86.0 / 82.0	82.0 / 79.0
WEIGHT (kg)		262	262	263	319	324	262 + 262
DIMENSIONS (mm)	Width	910	910	910	1207	1207	910 + 910
	Depth	740	740	740	740	740	740
(1798mm without legs)	Height	1858	1858	1858	1858	1858	1858
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*1		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A)*1		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*1	Heating / Cooling [MAX]	8.7 / 8.7 [21.4]	11.9 / 12.3 [21.4]	14.7 / 14.8 [26.5]	19.5 / 18.3 [27.3]	21.6 / 20.9 [30.4]	18.1 / 17.8 [21.4 + 21.4]
GUARANTEED OPERATING RANGE (°C)	Heating / Cooling	-25~15.5 / -5~52	-25~15.5 / -5~52	-25~15.5 / -5~52	-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		1 x 25	1 x 25	1 x 32	1 x 32	1 x 32	1 x 25 / 1 x 25
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)		8.0 / 5.4	8.0 / 5.4	8.0 / 5.4	9.3 / 6.3	9.3 / 6.3	16.0 / 10.8
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t) R32 (GWP 675)		18.5 / 12.5	24.5 / 16.5	24.5 / 16.5	25.4 / 17.1	25.4 / 17.1	27.6 / 18.6

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. *2 12.7mm(1/2") if P250 furthest length ≥ 90m, P300 furthest length ≥ 40m.

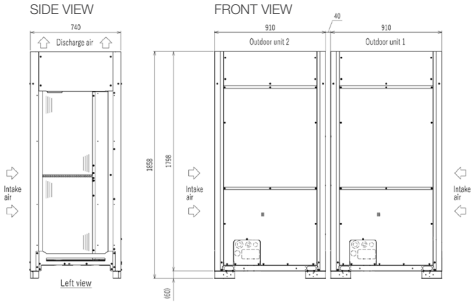
PUHY-M200/250/300YXM-A DIMENSIONS



PUHY-M350/400YXM-A DIMENSIONS



PUHY-M400YSXM-A DIMENSIONS



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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 March 2026

Green Gateway greengateway.mitsubishielectric.co.uk