

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



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.



## 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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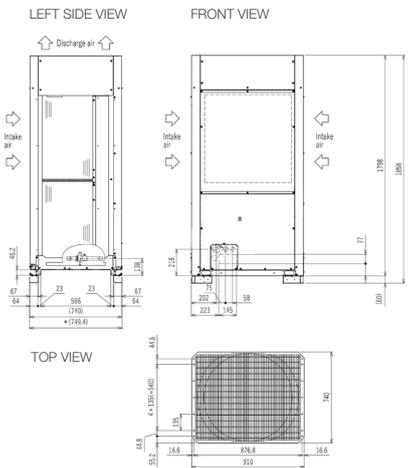
## Air Conditioning Product Information



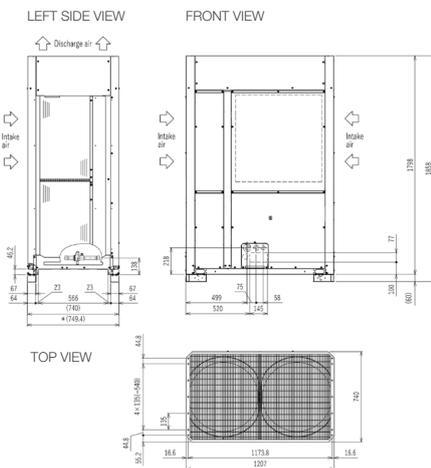
| PUHY-M-Y(S)XM-A OUTDOOR UNITS  |                               | PUHY-M200YXM-A          | PUHY-M250YXM-A           | PUHY-M300YXM-A           | PUHY-M350YXM-A      | PUHY-M400YXM-A      | PUHY-M400YSXM-A       |                   |
|--|-------------------------------|-------------------------|--------------------------|--------------------------|---------------------|---------------------|-----------------------|-------------------|
| CAPACITY (kW)  | Heating (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) | TBC                     | TBC                      | TBC                      | TBC                 | TBC                 | TBC                   |                   |
|  | COP Priority Heating (UK)     | TBC                     | TBC                      | TBC                      | TBC                 | TBC                 | TBC                   |                   |
|  | Cooling (UK)                  | TBC                     | TBC                      | TBC                      | TBC                 | TBC                 | TBC                   |                   |
| POWER INPUT (kW)   | Heating (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) | TBC                     | TBC                      | TBC                      | TBC                 | TBC                 | TBC                   |                   |
|  | COP Priority Heating (UK)     | TBC                     | TBC                      | TBC                      | TBC                 | TBC                 | TBC                   |                   |
|  | Cooling (UK)                  | TBC                     | TBC                      | TBC                      | TBC                 | TBC                 | TBC                   |                   |
| COP / EER (Max/Nominal)  |                               | 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 (m³/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") <sup>2</sup> | 9.52 (3/8") <sup>2</sup> | 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                   |                   |
|  | Height                        | 1858                    | 1858                     | 1858                     | 1858                | 1858                | 1858                  |                   |
| (1798mm without legs)  |                               |                         |                          |                          |                     |                     |                       |                   |
| ELECTRICAL SUPPLY <sup>1</sup>   |                               | 380-415v, 50Hz          | 380-415v, 50Hz           | 380-415v, 50Hz           | 380-415v, 50Hz      | 380-415v, 50Hz      | 380-415v, 50Hz        |                   |
| PHASE <sup>1</sup>   |                               | Three                   | Three                    | Three                    | Three               | Three               | Three                 |                   |
| STARTING CURRENT (A) <sup>1</sup>  |                               | TBC                     | TBC                      | TBC                      | TBC                 | TBC                 | TBC                   |                   |
| NOMINAL SYSTEM RUNNING CURRENT (A) <sup>1</sup>                                |                               | Heating / Cooling [MAX] | 8.7 / 8.7 [TBC]          | 11.9 / 12.3 [TBC]        | 14.7 / 14.8 [TBC]   | 19.5 / 18.3 [TBC]   | 21.6 / 20.9 [TBC]     | 18.1 / 17.8 [TBC] |
| 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    |                   |
| FUSE RATING (MCB sizes BS EN 60947-2) - (A) <sup>1</sup>                       |                               |                         | TBC                      | TBC                      | TBC                 | TBC                 | TBC                   |                   |
| MAINS CABLE No. Cores <sup>1</sup>   |                               |                         | 4 + earth                | 4 + earth                | 4 + earth           | 4 + earth           | 4 + earth / 4 + earth |                   |
| CHARGE REFRIGERANT (kg) / CO <sub>2</sub> 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 / 10.8         |
| MAX ADDITIONAL REFRIGERANT (kg) / CO <sub>2</sub> EQUIVALENT (t) R32 (GWP 675) |                               |                         | 26.5 / 17.9              | 32.5 / 22.0              | 32.5 / 22.0         | 34.7 / 23.5         | 34.7 / 23.5           | 43.6 / 29.5       |

Notes: ErP Lot 6 calculation method to EN14825. <sup>1</sup> A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules. <sup>2</sup> 12.7mm(1/2") if P250 furthest length ≥ 90m, P300 furthest length ≥ 40m.

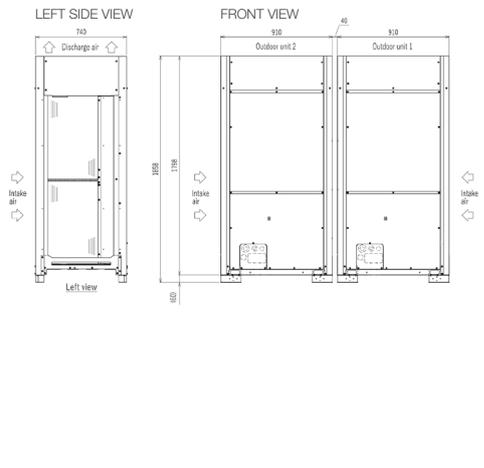
### PUHY-M200/250/300-YXM-A DIMENSIONS



### PUHY-M350/400-YXM-A DIMENSIONS



### PUHY-M400YSXM-A DIMENSIONS



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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

