

Air Conditioning

Product Information

Y Series Standard (69-96kW)
Heat Pump Outdoor Unit (Heating or Cooling)

Making a
World of
Difference

CITY MULTI

NEXT
GENERATION VRF



VRF 2 pipe technology and efficiency providing a simple and flexible solution where there is a demand for a changeover capability between heating and cooling for all indoor units, helping to ensure a constant and comfortable indoor climate.

Key Features

- Effective, efficient solution meeting all the market needs
- Delivers the highest levels of comfort, both thermally and acoustically
- Cost effective delivery



Cooling | Heating | Ventilation | Controls

Air Conditioning

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| OUTDOOR UNITS | | PUHY-P600YSNW-A | PUHY-P650YSNW-A | PUHY-P700YSNW-A | PUHY-P750YSNW-A | PUHY-P800YSNW-A | PUHY-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) | 72.7 | 77.4 | 83.6 | 90.3 | 95.0 | 97.2 |
| | COP Priority Heating (UK) | 69.6 | 74.2 | 80.1 | 86.5 | 91.0 | 92.9 |
| | Cooling (UK) | 61.8 | 65.3 | 71.6 | 76.1 | 80.6 | 85.9 |
| POWER INPUT (kW) | Heating (nominal) | 16.52 | 19.53 | 21.15 | 24.54 | 24.39 | 28.05 |
| | Cooling (nominal) | 16.26 | 17.59 | 20.35 | 22.79 | 22.76 | 24.66 |
| | High Performance Heating (UK) | 21.97 | 25.97 | 28.13 | 32.64 | 32.44 | 31.70 |
| | COP Priority Heating (UK) | 16.52 | 19.53 | 21.15 | 24.54 | 24.39 | 27.21 |
| | Cooling (UK) | 9.43 | 10.20 | 11.80 | 12.75 | 13.20 | 15.78 |
| COP / EER (nominal) | | 4.63 / 4.24 | 4.17 / 4.15 | 4.16 / 3.93 | 3.87 / 3.87 | 4.10 / 3.95 | 3.85 / 3.89 |
| SCOP / SEER* | | - | - | - | - | - | - |
| MAX No. OF CONNECTABLE INDOOR UNITS | | 50 | 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 | 50~130% OU Capacity |
| AIRFLOW (m³/min) | High | 240 / 240 | 185 / 300 | 270 / 270 | 270 / 300 | 270 / 305 | 300 / 305 |
| | Low | 180 / 180 | 135 / 225 | 200 / 200 | 200 / 225 | 200 / 225 | 225 / 225 |
| 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 | 15.88 (5/8") | 15.88 (5/8") | 19.05 (3/4") | 19.05 (3/4") | 19.05 (3/4") | 19.05 (3/4") |
| SOUND PRESSURE LEVEL (dBA) | | 67.5 | 68.0 | 67.0 | 68.5 | 71.0 | 71.5 |
| SOUND POWER LEVEL (dBA) | | 86.5 | 87.0 | 86.0 | 88.0 | 89.5 | 90.5 |
| WEIGHT (kg) | | 228 + 228 | 225 + 278 | 278 + 278 | 278 + 278 | 278 + 294 | 278 + 294 |
| DIMENSIONS (mm) | Width | 920 + 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*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] | | 25.5 / 25.1 [22.7 + 22.7] | 30.1 / 27.1 [17.8 + 31.9] | 32.6 / 31.4 [26.4 + 26.4] | 37.9 / 33.9 [26.4 + 31.9] | 37.7 / 35.1 [26.4 + 37.1] | 43.3 / 38.1 [31.9 + 37.1] |
| 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 | -20~15.5 / -5~-52 |
| FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1 | | 1 x 25 / 1 x 25 | 1 x 20 / 1 x 32 | 1 x 32 / 1 x 32 | 1 x 32 / 1 x 32 | 1 x 32 / 1 x 40 | 1 x 32 / 1 x 40 |
| 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 |
| CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088) | | 13 / 27.1 | 16.3 / 34.0 | 19.6 / 40.9 | 19.6 / 40.9 | 20.6 / 43.0 | 20.6 / 43.0 |
| MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088) | | 34.7 / 72.5 | 35.2 / 73.5 | 44.8 / 93.5 | 44.8 / 93.5 | 44.7 / 93.3 | 46.5 / 97.1 |

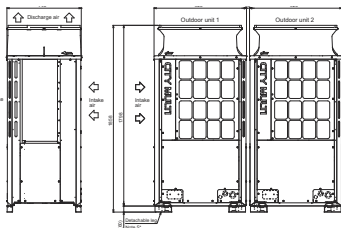
Notes: *SCOP / SEER available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21 / 6 to EN14825 standard.
*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

PRODUCT DIMENSIONS

PUHY-P600YSNW-A

Side View

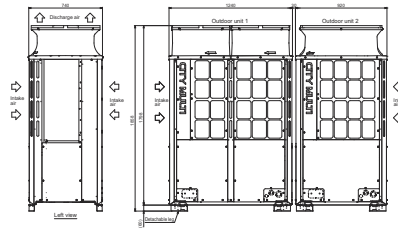
Front View



PUHY-P650YSNW-A

Side View

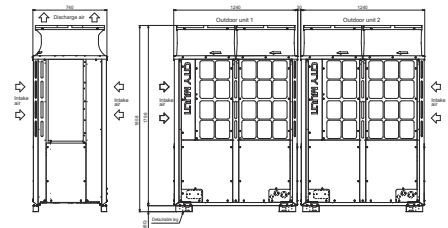
Front View



PUHY-P700/750/800/850YSNW-A

Side View

Front View



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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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