

Air Conditioning

Product Information

Y Series Single Fan (12.5-15.5kW)
Mini VRF Heat Pump Outdoor Unit

Making a
World of
Difference

CITY MULTI



VRF heat pump flexibility, efficiency and comfort delivered in a discrete, small capacity system.

Key Features

- VRF piping, control and connectivity for small systems requiring heating or cooling
- Low height profile and footprint making installation in built up areas easier
- 30Pa static pressure fan as standard if enclosures are required
- Compatible with stylish M Series multi split indoor units



Cooling | Heating | Ventilation | Controls

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High Holborn - cooling (Flats);
cooling and heating (Retail
Unit)
West Central Street - Heating
and Cooling (New Oxford
Street flats; Retail 10-12)

West Central
Street - Heating
and Cooling (Retail
16a)

West Central
Street - Heating
and Cooling (Retail
317 NOS)

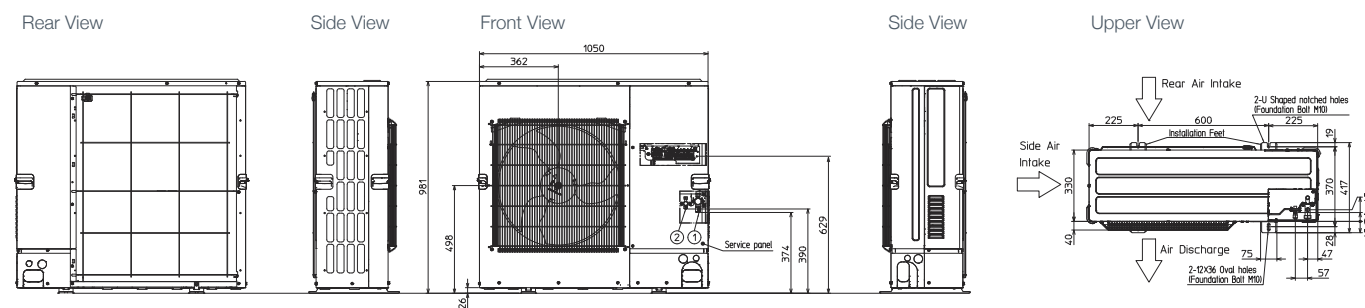


| OUTDOOR UNITS | | PUMY-SP112VKM | PUMY-SP112YKM ⁽³⁾ | PUMY-SP125VKM | PUMY-SP125YKM ⁽³⁾ | PUMY-SP140VKM | PUMY-SP140YKM ⁽³⁾ |
|--|-------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| CAPACITY (KW) | Heating (nominal) | 14.0 | 14.0 | 16.0 | 16.0 | 16.5 | 16.5 |
| | Cooling (nominal) | 12.5 | 12.5 | 14.0 | 14.0 | 15.5 | 15.5 |
| | Heating (UK) | 13.9 | 13.9 | 15.8 | 15.8 | 16.3 | 16.3 |
| | Cooling (UK) | 10.0 | 10.0 | 11.2 | 11.2 | 12.4 | 12.4 |
| POWER INPUT (KW) | Heating (nominal) | 3.17 | 3.17 | 3.90 | 3.90 | 4.02 | 4.02 |
| | Cooling (nominal) | 3.10 | 3.10 | 3.84 | 3.84 | 4.70 | 4.70 |
| | Heating (UK) | 4.18 | 4.18 | 5.15 | 5.15 | 5.31 | 5.31 |
| | Cooling (UK) | 1.61 | 1.61 | 2.00 | 2.00 | 2.44 | 2.44 |
| COP / EER (nominal) | | 4.42 / 4.03 | 4.42 / 4.03 | 4.10 / 3.65 | 4.10 / 3.65 | 4.10 / 3.30 | 4.10 / 3.30 |
| SCOP / SEER [*] | | - | - | - | - | - | - |
| MAX NO. OF CONNECTABLE INDOOR UNITS | | 9 | 9 | 10 | 10 | 12 | 12 |
| 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) | | 77 | 77 | 83 | 83 | 83 | 83 |
| PIPE SIZE MM (in) | Gas | 15.88 (5/8") | 15.88 (5/8") | 15.88 (5/8") | 15.88 (5/8") | 15.88 (5/8") | 15.88 (5/8") |
| | Liquid | 9.52 (3/8") | 9.52 (3/8") | 9.52 (3/8") | 9.52 (3/8") | 9.52 (3/8") | 9.52 (3/8") |
| SOUND PRESSURE LEVEL (dBA) | | 52 | 52 | 53 | 53 | 54 | 54 |
| SOUND POWER LEVEL (dBA) | | 72 | 72 | 73 | 73 | 74 | 74 |
| WEIGHT (kg) | | 93 | 94 | 93 | 94 | 93 | 94 |
| DIMENSIONS (mm) | Width | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| | Depth | 330+40 | 330+40 | 330+40 | 330+40 | 330+40 | 330+40 |
| | Height | 981 | 981 | 981 | 981 | 981 | 981 |
| ELECTRICAL SUPPLY | | 220-240v, 50Hz | 380-415v, 50Hz | 220-240v, 50Hz | 380-415v, 50Hz | 220-240v, 50Hz | 380-415v, 50Hz |
| PHASE | | Single | Three | Single | Three | Single | Three |
| STARTING CURRENT (A) | | 14 | 7 | 14 | 7 | 14 | 7 |
| NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling [MAX] | | 13.48 / 13.18 [30.5] | 4.82 / 4.71 [13.0] | 16.58 / 16.33 [30.5] | 5.93 / 5.83 [13.0] | 17.09 / 19.98 [30.5] | 6.11 / 7.14 [13.0] |
| GUARANTEED OPERATING RANGE (°C) Heating / Cooling | | -20~15 / -5~-52 | -20~15 / -5~-52 | -20~15 / -5~-52 | -20~15 / -5~-52 | -20~15 / -5~-52 | -20~15 / -5~-52 |
| FUSE RATING (BS88) - HRC (A) | | 1 x 32 | 1 x 16 | 1 x 32 | 1 x 16 | 1 x 32 | 1 x 16 |
| MAINS CABLE NO. CORES | | 3 | 4 + earth | 3 | 4 + earth | 3 | 4 + earth |
| CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088) | | 3.5 / 7.31 | 3.5 / 7.31 | 3.5 / 7.31 | 3.5 / 7.31 | 3.5 / 7.31 | 3.5 / 7.31 |
| MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088) | | 9.0 / 18.79 | 9.0 / 18.79 | 9.0 / 18.79 | 9.0 / 18.79 | 9.0 / 18.79 | 9.0 / 18.79 |

⁽³⁾ Three Phase Notes: *SCOP / SEER available separately in the 'Cool Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21 / 6 to EN14825 standard.

| PIPING RESTRICTIONS | PUMY-SP112-140V(Y)KM |
|---|--|
| TOTAL PIPING LENGTH | 120m max |
| FURTHEST PIPING LENGTH | 70m max |
| FURTHEST PIPING LENGTH AFTER 1st BRANCH | 50m max |
| BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT | 50m max (30m max if outdoor installed below) |
| BETWEEN INDOOR AND INDOOR UNITS - HEIGHT | 15m max |

PRODUCT DIMENSIONS



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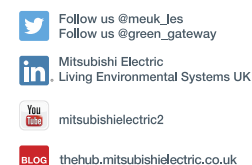
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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current 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).



www.greengateway.mitsubishielectric.co.uk
Mitsubishi Electric UK's commitment
to the environment



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