

1. SPECIFICATIONS

DATA U4

| Model | | | PUHY-P72THMU-A(-BS) | PUHY-P96THMU-A(-BS) | |
|--|----------------------------|---|---|---|-----------|
| Power source | | | 3-phase 3-wire 208-230V ±10% 60Hz | 3-phase 3-wire 208-230V ±10% 60Hz | |
| Cooling capacity (Nominal) | *1 | BTU / h | 72,000 | 96,000 | |
| | | kW | 21.1 | 28.1 | |
| | (208-230) | Power input | kW | 5.27 | 8.42 |
| | | Current input | A | 16.2-14.6 | 25.9-23.4 |
| Temp. range of cooling | Indoor | W.B. | 59 to 75degF(15 to 24degC) | 59 to 75degF(15 to 24degC) | |
| | Outdoor | D.B. | 23 to 109degF(-5 to 43degC) | 23 to 109degF(-5 to 43degC) | |
| Heating capacity (Nominal) | *2 | BTU / h | 80,000 | 108,000 | |
| | | kW | 23.4 | 31.7 | |
| | (208-230) | Power input | kW | 5.68 | 8.63 |
| | | Current input | A | 17.5-15.8 | 26.6-24.0 |
| Temp. range of heating | Indoor | D.B. | 59 to 81degF(15 to 27degC) | 59 to 81degF(15 to 27degC) | |
| | Outdoor | W.B. | -4 to 60degF(-20 to 15.5degC) | -4 to 60degF(-20 to 15.5degC) | |
| Indoor unit connectable | Total capacity | | 50 to 130 % of outdoor unit capacity | 50 to 130 % of outdoor unit capacity | |
| | Model / Quantity | | P06 to P96 / 1 to 15 | P06 to P96 / 1 to 20 | |
| Sound pressure level (measured in anechoic room) | | dB <A> | 58.0 | 58.0 | |
| Refrigerant piping diameter | Liquid pipe | in. (mm) | 3/8"(9.52) Brazed | 3/8"(9.52) Brazed (1/2"(12.7) Brazed, total length >= 90m) | |
| | Gas pipe | in. (mm) | 3/4"(19.05) Brazed | 7/8"(22.2) Brazed | |
| FAN | Type x Quantity | | Propeller fan x 1 | Propeller fan x 1 | |
| | Air flow rate | cfm | 7,050 | 7,050 | |
| | | m ³ / min | 200 | 200 | |
| | | L/s | 3,330 | 3,330 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 | 0.92 | |
| | *3 External static press. | | 0 in.WG (0 Pa) | 0 in.WG (0 Pa) | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor x 1 | Inverter scroll hermetic compressor x 1 | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | Inverter | |
| | Motor output | kW | 5.1 | 6.8 | |
| | Case heater | kW | 0.051(230 V) | 0.051(230 V) | |
| | Lubricant | | MEL32 | MEL32 | |
| External finish | | Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | in. mm | 64-31/32" x 36-1/4" x 29-15/16" 1,650 x 920 x 760 | 64-31/32" x 36-1/4" x 29-15/16" 1,650 x 920 x 760 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15MPa (601 psi) | High pressure sensor, High pressure switch at 4.15MPa (601 psi) | |
| | Compressor / Fan | | Over-heat protection / Thermal switch | Over-heat protection / Thermal switch | |
| | Inverter | | Over-heat protection, Over-current protection | Over-heat protection, Over-current protection | |
| Refrigerant | Type x original charge | | R410A x 19 lbs + 13 oz (9.0kg) | R410A x 19 lbs + 13 oz (9.0kg) | |
| | Control | | LEV and HIC circuit | LEV and HIC circuit | |
| Net weight | | lbs (kg) | 441(200) | 441(200) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | Copper pipe, tube-in-tube structure | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle) | Auto-defrost mode (Reversed refrigerant cycle) | |
| Drawing | External | | KB94L642 | KB94L642 | |
| | Wiring | | WKE94C207X01 | WKE94C207X01 | |
| | Refrigerant cycle | | - | - | |
| Standard attachment | Document | | Installation Manual | Installation Manual | |
| | Accessory | | Refrigerant conn. pipe | Refrigerant conn. pipe | |
| Optional parts | | | joint: CMY-Y102S-G2 Header: CMY-Y104/108/1010-G | joint: CMY-Y102S/L-G2 Header: CMY-Y104/108/1010-G | |
| Remark | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. | |

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| Note : | *1 Nominal cooling conditions | *2 Nominal heating conditions | Unit converter |
| | Indoor : 80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.) | 70degF D.B. (21.1degC D.B.) | kcal =kW x 860 BTU/h =kW x 3,412 |
| | Outdoor : 95degF D.B. (35degC D.B.) | 47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.) | cfm =m ³ /min x 35.31 lb =kg / 0.4536 |
| | Pipe length : 25ft.(7.6m) | 25ft.(7.6m) | |
| | Level difference : 0ft.(0m) | 0ft.(0m) | |
| * Due to continuing improvement, above specifications may be subject to change without notice. | | | *Above specification data is subject to rounding variation. |
| *3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). | | | |