

# 1. SPECIFICATIONS

DATA U4

| Model  |                  |               | PUHY-P192TSHMU-A(-BS)                |           |  |
|--|------------------|---------------|--------------------------------------|-----------|--|
| Power source                                     |                  |               | 3-phase 3-wire 208-230V ±10% 60Hz    |           |  |
| Cooling capacity<br>(Nominal)                    | *1               | BTU / h       | 192,000                              |           |  |
|  |                  | kW            | 56.3                                 |           |  |
|  | (208-230)        | Power input   | kW                                   | 15.84     |  |
|  |                  | Current input | A                                    | 48.8-44.1 |  |
| Temp. range of cooling                           | Indoor           | W.B.          | 59 to 75degF(15 to 24degC)           |           |  |
|  | Outdoor          | D.B.          | 23 to 109degF(-5 to 43degC)          |           |  |
| Heating capacity<br>(Nominal)                    | *2               | BTU / h       | 200,000                              |           |  |
|  |                  | kW            | 58.6                                 |           |  |
|  | (208-230)        | Power input   | kW                                   | 15.38     |  |
|  |                  | Current input | A                                    | 47.4-42.8 |  |
| Temp. range of heating                           | Indoor           | D.B.          | 59 to 81degF(15 to 27degC)           |           |  |
|  | Outdoor          | W.B.          | -4 to 60degF(-20 to 15.5degC)        |           |  |
| Indoor unit connectable                          | Total capacity   |               | 50 to 130 % of outdoor unit capacity |           |  |
|  | Model / Quantity |               | P06 to P96 / 1 to 41                 |           |  |
| Sound pressure level (measured in anechoic room) |                  |               | dB <A>                               |           |  |
|  |                  |               | 62.5                                 |           |  |
| Refrigerant piping diameter                      | Liquid pipe      | in. (mm)      | 5/8"(15.88) Brazed                   |           |  |
|  | Gas pipe         | in. (mm)      | 1-1/8"(28.58) Brazed                 |           |  |

| Set Model                             |                             |                      | PUHY-P72THMU-A(-BS)   |  | PUHY-P120THMU-A(-BS)  |  |
|---------------------------------------|-----------------------------|----------------------|---|--|---|--|
| FAN                                   | Type x Quantity             |                      | Propeller fan x 1   |  | Propeller fan x 1   |  |
|                                       | Airflow rate                | cfm                  | 7,050   |  | 7,950   |  |
|                                       |                             | m <sup>3</sup> / min | 200   |  | 225   |  |
|                                       |                             | L/s                  | 3,330   |  | 3,750   |  |
|                                       | 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   |  | 8.8   |  |
|                                       | Case heater                 | kW                   | 0.051(230 V)  |  | 0.057(230 V)  |  |
| Lubricant                             |                             |                      | MEL32   |  | MEL32   |  |
| External finish                       |                             |                      | Pre-coated galvanized steel sheet (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>   |  | Pre-coated galvanized steel sheet (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |  |
| External dimension H x W x D          |                             |                      | in.<br>64-31/32" x 36-1/4" x 29-15/16"<br>mm<br>1,650 x 920 x 760   |  | 64-31/32" x 48-1/16" x 29-15/16"<br>1,650 x 1,220 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 25 lbs + 6 oz (11.5kg)  |  |
|                                       | Control                     |                      | LEV and HIC circuit   |  |   |  |
| Net weight                            |                             |                      | lbs (kg)  |  | 441(200)  |  |
|                                       |                             |                      |   |  | 541(245)  |  |
| 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  |  |
| Refrigerant piping diameter           | Liquid pipe                 | in. (mm)             | 3/8"(9.52)Brazed  |  | 1/2"(12.7)Brazed  |  |
|                                       | Gas pipe                    | in. (mm)             | 3/4"(19.05)Brazed   |  | 7/8"(22.2)Brazed  |  |
| Defrosting method                     |                             |                      | Auto-defrost mode (Reversed refrigerant cycle)  |  |   |  |
| Drawing                               | External                    |                      | KB94L645  |  |   |  |
|                                       | Wiring                      |                      | WKE94C207X01  |  | WKE94C208X01  |  |
|                                       | Refrigerant cycle           |                      |   |  |   |  |
| Standard attachment                   | Document                    |                      | Installation Manual   |  |   |  |
|                                       | Accessory                   |                      | Refrigerant conn. pipe  |  |   |  |
| Optional parts                        |                             |                      | Outdoor Twinning kit: CMY-Y100VBK2<br>joint: CMY-Y102S/L-G2,CMY-Y202/302-G2<br>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. |  |   |  |

| Note :   | *1 Nominal cooling conditions                                       | *2 Nominal heating conditions                            | Unit converter  |
|--|---|--|---|
|  | Indoor : 80degF D.B./ 67degF W.B.<br>(26.7degC D.B./ 19.4degC W.B.) | 70degF D.B.<br>(21.1degC D.B.)                           | kcal =kW x 860  |
|  | Outdoor : 95degF D.B.<br>(35degC D.B.)                              | 47degF D.B./ 43degF W.B.<br>(8.3degC D.B./ 6.1degC W.B.) | BTU/h =kW x 3,412   |
|  | Pipe length : 25ft.(7.6m)   | 25ft.(7.6m)  | cfm =m <sup>3</sup> /min x 35.31                            |
|  | Level difference : 0ft.(0m)   | 0ft.(0m)   | lb =kg / 0.4536   |
| * 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).         |   |  |   |