

# 1. SPECIFICATIONS

DATA G6

| Model  |  |                    | PQRY-P200YHM-A   | PQRY-P250YHM-A    |             |
|--|--|--------------------|--|-------------------|-------------|
| Power source                                     |  |                    | 3-phase 4-wire 380-400-415V 50/60Hz  |                   |             |
| Cooling capacity<br>(Nominal)                    | *1   | kW                 | 22.4   | 28.0              |             |
|  | *1   | kcal / h           | 19,300   | 24,100            |             |
|  | *1   | BTU / h            | 76,400   | 95,500            |             |
|  |  | Power input        | kW   | 3.96              | 5.51        |
|  |  | Current input      | A  | 6.6-6.3-6.1       | 9.3-8.8-8.5 |
|  |  | COP                | kW / kW  | 5.65              | 5.08        |
| Temp. range of<br>cooling                        | Indoor   | W.B.               | 15.0 ~ 24.0°C(59 ~ 75°F)   |                   |             |
|  | Circulating water  | °C                 | 10.0 ~ 45.0°C(50 ~ 113°F)  |                   |             |
| Heating capacity<br>(Nominal)                    | *2   | kW                 | 25.0   | 31.5              |             |
|  | *2   | kcal / h           | 21,500   | 27,100            |             |
|  | *2   | BTU / h            | 85,300   | 107,500           |             |
|  |  | Power input        | kW   | 4.12              | 5.80        |
|  |  | Current input      | A  | 6.9-6.6-6.3       | 9.7-9.3-8.9 |
|  |  | COP                | kW / kW  | 6.06              | 5.43        |
| Temp. range of<br>heating                        | Indoor   | D.B.               | 15.0 ~ 27.0°C(59 ~ 81°F)   |                   |             |
|  | Circulating water  | °C                 | 10.0 ~ 45.0°C(50 ~ 113°F)  |                   |             |
| Indoor unit<br>connectable                       | Total capacity   |                    | 50 ~ 150 % of heat source unit capacity  |                   |             |
|  | Model / Quantity   |                    | P15 ~ P250 / 1 ~ 20  |                   |             |
| Sound pressure level (measured in anechoic room) |  |                    | dB <A>   | 47                |             |
| Refrigerant<br>piping diameter                   | High pressure  | mm (in.)           | 15.88(5/8) Brazed  | 19.05(3/4) Brazed |             |
|  | Low pressure   | mm (in.)           | 19.05(3/4) Brazed  | 22.2(7/8) Brazed  |             |
| Circulating water                                | Water flow rate  | m <sup>3</sup> / h | 5.76   | 5.76              |             |
|  |  | L / min            | 96   | 96                |             |
|  |  | cfm                | 3.4  | 3.4               |             |
|  | Pressure drop  | kPa                | 17   | 17                |             |
|  | Operating volume<br>range  | m <sup>3</sup> / h | 4.5 ~ 7.2  | 4.5 ~ 7.2         |             |
| Compressor                                       | Type x Quantity  |                    | Inverter scroll hermetic compressor  |                   |             |
|  | Manufacture  |                    | AC&R Works, MITSUBISHI ELECTRIC CORPORATION  |                   |             |
|  | Starting method  |                    | Inverter   |                   |             |
|  | Motor output   | kW                 | 4.6  | 6.3               |             |
|  | Case heater  | kW                 | 0.035(240 V)   | 0.035(240 V)      |             |
|  | Lubricant  |                    | MEL32  |                   |             |
| External finish                                  |  |                    | Acrylic painted steel plate  |                   |             |
| External dimension HxWxD                         | mm   |                    | 1,160(1,100 without legs) x 880 x 550  |                   |             |
|  | in.  |                    | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16   |                   |             |
| Protection devices                               | High pressure protection   |                    | High pressure sensor, High pressure switch at 4.15MPa (601 psi)  |                   |             |
|  | Inverter circuit (COMP.)   |                    | Over-heat protection, Over-current protection  |                   |             |
|  | Compressor   |                    | Over-heat protection   |                   |             |
| Refrigerant                                      | Type x original charge   |                    | R410A x 5.0kg (12lbs)  |                   |             |
|  | Control  |                    | Indoor LEV and BC controller   |                   |             |
| Net weight                                       | kg (lbs)   |                    | 181(400)   | 181(400)          |             |
| Heat exchanger                                   |  |                    | plate type   |                   |             |
|  | Water volume in plate  | l                  | 5.0  | 5.0               |             |
|  | Water pressure Max.  | MPa                | 1.0  | 1.0               |             |
| HIC circuit (HIC: Heat Inter-Changer)            |  |                    | -  |                   |             |
| Drawing  | External   |                    | KB94T146   |                   |             |
|  | Wiring   |                    | KE94C302   |                   |             |
| Standard attachment                              | Document   |                    | Installation Manual  |                   |             |
|  | Accessory  |                    | Refrigerant conn. pipe   |                   |             |
| Optional parts                                   | Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J   |                    | Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J   |                   |             |
|  | BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G<br>Main BC controller: CMB-P108, 1010, 1013, 1016V-GA<br>Sub BC controller: CMB-P104, 108V-GB, CMB-P1016V-HB |                    | BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G<br>Main BC controller: CMB-P108, 1010, 1013, 1016V-GA<br>Sub BC controller: CMB-P104, 108V-GB, CMB-P1016V-HB   |                   |             |
| Remarks  |  |                    | <ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> </ul> |                   |             |

| Notes :  | Unit converter  |
|--|---|
| 1.Nominal cooling conditions(subject to JIS B8615-1)<br>Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.) | kcal =kW x 860<br>BTU/h =kW x 3,412                       |
| 2.Nominal heating conditions(subject to JIS B8615-1)<br>Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)               | cfm =m <sup>3</sup> /min x 35.31<br>lbs =kg / 0.4536      |
|  | *The specification data is subject to rounding variation. |

| Model  |                          | PQRY-P300YHM-A  |   |
|--|--------------------------|---|---|
| Power source                                     |                          | 3-phase 4-wire 380-400-415V 50/60Hz   |   |
| Cooling capacity<br>(Nominal)                    | *1 kW                    | 33.5  |   |
|  | *1 kcal / h              | 28,800  |   |
|  | *1 BTU / h               | 114,300   |   |
|  | Power input              | kW  | 7.44  |
|  | Current input            | A   | 12.5-11.9-11.5  |
| COP  |                          | kW / kW   | 4.50  |
| Temp. range of<br>cooling                        | Indoor                   | W.B.  | 15.0 ~ 24.0°C(59 ~ 75°F)  |
|  | Circulating water        | °C  | 10.0 ~ 45.0°C(50 ~ 113°F)                                       |
| Heating capacity<br>(Nominal)                    | *2 kW                    | 37.5  |   |
|  | *2 kcal / h              | 32,300  |   |
|  | *2 BTU / h               | 128,000   |   |
|  | Power input              | kW  | 8.15  |
|  | Current input            | A   | 13.7-13.0-12.5  |
| COP  |                          | kW / kW   | 4.60  |
| Temp. range of<br>heating                        | Indoor                   | D.B.  | 15.0 ~ 27.0°C(59 ~ 81°F)  |
|  | Circulating water        | °C  | 10.0 ~ 45.0°C(50 ~ 113°F)                                       |
| Indoor unit<br>connectable                       | Total capacity           | 50 ~ 150 % of heat source unit capacity   |   |
|  | Model / Quantity         | P15 ~ P250 / 1 ~ 30   |   |
| Sound pressure level (measured in anechoic room) |                          | dB <A>  | 50  |
| Refrigerant<br>piping diameter                   | High pressure            | mm (in.)  | 19.05(3/4) Brazed   |
|  | Low pressure             | mm (in.)  | 22.2(7/8) Brazed  |
| Circulating water                                | Water flow rate          | m <sup>3</sup> / h  | 5.76  |
|  |                          | L / min   | 96  |
|  |                          | cfm   | 3.4   |
|  | Pressure drop            | kPa   | 17  |
|  | Operating volume range   | m <sup>3</sup> / h  | 4.5 ~ 7.2   |
| Compressor                                       | Type x Quantity          |   | Inverter scroll hermetic compressor                             |
|  | Manufacture              |   | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |
|  | Starting method          |   | Inverter  |
|  | Motor output             | kW  | 7.4   |
|  | Case heater              | kW  | 0.035(240 V)  |
|  | Lubricant                |   | MEL32   |
| External finish                                  |                          | Acrylic painted steel plate   |   |
| External dimension HxWxD                         | mm                       |   | 1,160(1,100 without legs) x 880 x 550                           |
|  | in.                      |   | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |
| Protection devices                               | High pressure protection |   | High pressure sensor, High pressure switch at 4.15MPa (601 psi) |
|  | Inverter circuit (COMP.) |   | Over-heat protection, Over-current protection                   |
|  | Compressor               |   | Over-heat protection  |
| Refrigerant                                      | Type x original charge   |   | R410A x 5.0kg (12lbs)   |
|  | Control                  |   | Indoor LEV and BC controller                                    |
| Net weight                                       | kg (lbs)                 | 181(400)  |   |
| Heat exchanger                                   |                          |   | plate type  |
|  | Water volume in plate    | l   | 5.0   |
|  | Water pressure Max.      | MPa   | 1.0   |
| HIC circuit (HIC: Heat Inter-Changer)            |                          | -   |   |
| Drawing  | External                 |   | KB94T146  |
|  | Wiring                   |   | KE94C302  |
| Standard attachment                              | Document                 |   | Installation Manual   |
|  | Accessory                |   | Refrigerant conn. pipe  |
| Optional parts                                   |                          | Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J<br>BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G<br>Main BC controller: CMB-P108, 1010, 1013, 1016V-GA<br>Sub BC controller: CMB-P104, 108V-GB, CMB-P1016V-HB  |   |
| Remarks  |                          | <ul style="list-style-type: none"> <li>● Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>● Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>● The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>● The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>● The heat source Unit should not be installed at outdoor.</li> <li>● Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>● Be sure to provide interlocking for the unit operation and water circuit.</li> </ul> |   |

WR2

| Notes :  | Unit converter  |
|--|---|
| 1. Nominal cooling conditions (subject to JIS B8615-1)<br>Indoor: 27°C D.B. / 19°C W.B. (81°F D.B. / 66°F W.B.), Water temperature: 30°C (86°F)<br>Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)<br>2. Nominal heating conditions (subject to JIS B8615-1)<br>Indoor: 20°C D.B. (68°F D.B.), Water temperature: 20°C (68°F)<br>Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.) | kcal = kW x 860<br>BTU/h = kW x 3,412<br>cfm = m <sup>3</sup> /min x 35.31<br>lbs = kg / 0.4536 |
|  | *The specification data is subject to rounding variation.                                       |

# 1. SPECIFICATIONS

| Model  |                                     |   | PQRY-P400YSHM-A           |                |  |
|--|-------------------------------------|---|---------------------------|----------------|--|
| Power source                                     | 3-phase 4-wire 380-400-415V 50/60Hz |   |                           |                |  |
| Cooling capacity<br>(Nominal)                    | *1                                  | kW                                      | 45.0                      |                |  |
|  | *1                                  | kcal / h                                | 38,700                    |                |  |
|  | *1                                  | BTU / h                                 | 153,500                   |                |  |
|  |                                     | Power input                             | kW                        | 8.32           |  |
|  |                                     | Current input                           | A                         | 14.0-13.3-12.8 |  |
| Temp. range of<br>cooling                        |                                     | COP                                     | 5.40                      |                |  |
|  | Indoor                              | W.B.                                    | 15.0 ~ 24.0°C(59 ~ 75°F)  |                |  |
|  | Circulating water                   | °C                                      | 10.0 ~ 45.0°C(50 ~ 113°F) |                |  |
| Heating capacity<br>(Nominal)                    | *2                                  | kW                                      | 50.0                      |                |  |
|  | *2                                  | kcal / h                                | 43,000                    |                |  |
|  | *2                                  | BTU / h                                 | 170,600                   |                |  |
|  |                                     | Power input                             | kW                        | 8.65           |  |
|  |                                     | Current input                           | A                         | 14.6-13.8-13.3 |  |
| Temp. range of<br>heating                        |                                     | COP                                     | 5.78                      |                |  |
|  | Indoor                              | D.B.                                    | 15.0 ~ 27.0°C(59 ~ 81°F)  |                |  |
|  | Circulating water                   | °C                                      | 10.0 ~ 45.0°C(50 ~ 113°F) |                |  |
| Indoor unit<br>connectable                       | Total capacity                      | 50 ~ 150 % of heat source unit capacity |                           |                |  |
|  | Model / Quantity                    | P15 ~ P250 / 1 ~ 40                     |                           |                |  |
| Sound pressure level (measured in anechoic room) | dB <A>                              | 50                                      |                           |                |  |
| Refrigerant<br>piping diameter                   | High pressure                       | mm (in.)                                | 22.2(7/8) Brazed          |                |  |
|  | Low pressure                        | mm (in.)                                | 28.58(1-1/8) Brazed       |                |  |

| Set Model                             |  |   | PQRY-P200YHM-A              |   | PQRY-P200YHM-A    |  |
|---------------------------------------|--|---|-----------------------------|---|-------------------|--|
| Circulating water                     | Water flow rate  | m <sup>3</sup> / h  | 5.76 + 5.76                 |   |                   |  |
|                                       |  | L / min   | 96 + 96                     |   |                   |  |
|                                       |  | cfm   | 3.4 + 3.4                   |   |                   |  |
|                                       | Pressure drop  | kPa   | 17                          |   | 17                |  |
| Operating volume<br>range             | m <sup>3</sup> / h   | 4.5 + 4.5 ~ 7.2 + 7.2   |                             |   |                   |  |
| Compressor                            | Type x Quantity  | Inverter scroll hermetic compressor                             |                             | Inverter scroll hermetic compressor                             |                   |  |
|                                       | Manufacture  | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |                             | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |                   |  |
|                                       | Starting method  | Inverter  |                             | Inverter  |                   |  |
|                                       | Motor output   | kW  | 4.6                         |   | 4.6               |  |
|                                       | Case heater  | kW  | 0.035(240 V)                |   | 0.035(240 V)      |  |
|                                       | Lubricant  | MEL32   |                             | MEL32   |                   |  |
| External finish                       | Acrylic painted steel plate  |   | Acrylic painted steel plate |   |                   |  |
| External dimension HxWxD              | mm   | 1,160(1,100 without legs) x 880 x 550                           |                             | 1,160(1,100 without legs) x 880 x 550                           |                   |  |
|                                       |  | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |                             | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |                   |  |
| 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) |                   |  |
|                                       | Inverter circuit (COMP.)   | Over-heat protection, Over-current protection                   |                             | Over-heat protection, Over-current protection                   |                   |  |
|                                       | Compressor   | Over-heat protection  |                             | Over-heat protection  |                   |  |
| Refrigerant                           | Type x original charge   | R410A x 5.0kg (12lbs)   |                             | R410A x 5.0kg (12lbs)   |                   |  |
|                                       | Control  | Indoor LEV and BC controller                                    |                             |   |                   |  |
| Net weight                            | kg (lbs)   | 181(400)  |                             | 181(400)  |                   |  |
| Heat exchanger                        | plate type   |   | plate type                  |   |                   |  |
|                                       | Water volume in plate  | l   | 5.0                         |   | 5.0               |  |
|                                       | Water pressure Max.  | MPa   | 1.0                         |   | 1.0               |  |
| HIC circuit (HIC: Heat Inter-Changer) |  |   |                             |   |                   |  |
| Pipe between unit and<br>distributor  | High pressure  | mm (in.)  | 19.05(3/4) Brazed           |   | 19.05(3/4) Brazed |  |
|                                       | Low pressure   | mm (in.)  | -                           |   | 22.2(7/8) Brazed  |  |
| Drawing                               | External   | KB94T147  |                             |   |                   |  |
|                                       | Wiring   | KE94C302  |                             | KE94C302  |                   |  |
| Standard attachment                   | Document   | Installation Manual   |                             |   |                   |  |
|                                       | Accessory  | Refrigerant conn. pipe  |                             |   |                   |  |
| Optional parts                        | Heat Source Twinning kit: CMY-Q100VBK<br>Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J<br>Main BC controller: CMB-P108, 1010, 1013, 1016V-GA<br>Sub BC controller: CMB-P104, 108V-GB, CMB-P1016V-HB   |   |                             |   |                   |  |
| Remarks                               | <ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> <li>•The heat source twinning kit(low pressure) should be connected to the low pressure side of the heat source unit.</li> </ul> <p>If the connected units are of different capacities, the heat source twinning kit(low pressure) should be installed in the unit with the largest capacity.</p> |   |                             |   |                   |  |

| Notes :  | Unit converter  |
|--|---|
| 1.Nominal cooling conditions(subject to JIS B8615-1)<br>Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.) | kcal =kW x 860<br>BTU/h =kW x 3,412                       |
| 2.Nominal heating conditions(subject to JIS B8615-1)<br>Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)               | cfm =m <sup>3</sup> /min x 35.31<br>lbs =kg / 0.4536      |
|  | *The specification data is subject to rounding variation. |

| Model  |                   |          | PQRY-P450YSHM-A                         |                |  |
|--|-------------------|----------|---|----------------|--|
| Power source                                     |                   |          | 3-phase 4-wire 380-400-415V 50/60Hz     |                |  |
| Cooling capacity<br>(Nominal)                    | *1                | kW       | 50.0                                    |                |  |
|  | *1                | kcal / h | 43,000                                  |                |  |
|  | *1                | BTU / h  | 170,600                                 |                |  |
|  | Power input       |          | kW                                      | 9.94           |  |
|  | Current input     |          | A                                       | 16.7-15.9-15.3 |  |
| Temp. range of<br>cooling                        | COP               |          | 5.03                                    |                |  |
|  | Indoor            | W.B.     | 15.0 ~ 24.0°C(59 ~ 75°F)                |                |  |
|  | Circulating water | °C       | 10.0 ~ 45.0°C(50 ~ 113°F)               |                |  |
| Heating capacity<br>(Nominal)                    | *2                | kW       | 56.0                                    |                |  |
|  | *2                | kcal / h | 48,200                                  |                |  |
|  | *2                | BTU / h  | 191,100                                 |                |  |
|  | Power input       |          | kW                                      | 10.42          |  |
|  | Current input     |          | A                                       | 17.5-16.7-16.1 |  |
| Temp. range of<br>heating                        | COP               |          | 5.37                                    |                |  |
|  | Indoor            | D.B.     | 15.0 ~ 27.0°C(59 ~ 81°F)                |                |  |
|  | Circulating water | °C       | 10.0 ~ 45.0°C(50 ~ 113°F)               |                |  |
| Indoor unit<br>connectable                       | Total capacity    |          | 50 ~ 150 % of heat source unit capacity |                |  |
|  | Model / Quantity  |          | P15 ~ P250 / 1 ~ 45                     |                |  |
| Sound pressure level (measured in anechoic room) |                   | dB <A>   | 51                                      |                |  |
| Refrigerant<br>piping diameter                   | High pressure     | mm (in.) | 22.2(7/8) Brazed                        |                |  |
|  | Low pressure      | mm (in.) | 28.58(1-1/8) Brazed                     |                |  |

| Model                                 |                          |                    | PQRY-P250YHM-A  |  | PQRY-P200YHM-A  |  |
|---------------------------------------|--------------------------|--------------------|---|--|---|--|
| Circulating water                     | Water flow rate          | m <sup>3</sup> / h | 5.76 + 5.76   |  |   |  |
|                                       |                          | L / min            | 96 + 96   |  |   |  |
|                                       |                          | cfm                | 3.4 + 3.4   |  |   |  |
|                                       | Pressure drop            | kPa                | 17  |  | 17  |  |
| Operating volume range                |                          | m <sup>3</sup> / h | 4.5 + 4.5 ~ 7.2 + 7.2   |  |   |  |
| Compressor                            | Type x Quantity          |                    | Inverter scroll hermetic compressor   |  | Inverter scroll hermetic compressor                             |  |
|                                       | Manufacture              |                    | AC&R Works, MITSUBISHI ELECTRIC CORPORATION   |  | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |  |
|                                       | Starting method          |                    | Inverter  |  | Inverter  |  |
|                                       | Motor output             | kW                 | 6.3   |  | 4.6   |  |
|                                       | Case heater              | kW                 | 0.035(240 V)  |  | 0.035(240 V)  |  |
|                                       | Lubricant                |                    | MEL32   |  | MEL32   |  |
| External finish                       |                          |                    | Acrylic painted steel plate   |  | Acrylic painted steel plate                                     |  |
| External dimension HxWxD              |                          | mm                 | 1,160(1,100 without legs) x 880 x 550   |  | 1,160(1,100 without legs) x 880 x 550                           |  |
|                                       |                          | in.                | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16  |  | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |  |
| 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) |  |
|                                       | Inverter circuit (COMP.) |                    | Over-heat protection, Over-current protection   |  | Over-heat protection, Over-current protection                   |  |
|                                       | Compressor               |                    | Over-heat protection  |  | Over-heat protection  |  |
| Refrigerant                           | Type x original charge   |                    | R410A x 5.0kg (12lbs)   |  | R410A x 5.0kg (12lbs)   |  |
|                                       | Control                  |                    | Indoor LEV and BC controller  |  |   |  |
| Net weight                            |                          | kg (lbs)           | 181(400)  |  | 181(400)  |  |
| Heat exchanger                        |                          |                    | plate type  |  | plate type  |  |
|                                       | Water volume in plate    | l                  | 5.0   |  | 5.0   |  |
|                                       | Water pressure Max.      | MPa                | 1.0   |  | 1.0   |  |
| HIC circuit (HIC: Heat Inter-Changer) |                          |                    | -   |  | -   |  |
| Pipe between unit and distributor     | High pressure            | mm (in.)           | 19.05(3/4) Brazed   |  | 19.05(3/4) Brazed   |  |
|                                       | Low pressure             | mm (in.)           | -   |  | 22.2(7/8) Brazed  |  |
| Drawing                               | External                 |                    | KB94T147  |  |   |  |
|                                       | Wiring                   |                    | KE94C302  |  | KE94C302  |  |
| Standard attachment                   | Document                 |                    | Installation Manual   |  |   |  |
|                                       | Accessory                |                    | Refrigerant conn. pipe  |  |   |  |
| Optional parts                        |                          |                    | Heat Source Twinning kit: CMY-Q100VBK<br>Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J<br>Main BC controller: CMB-P108,1010,1013,1016V-GA<br>Sub BC controller: CMB-P104,108V-GB,CMB-P1016V-HB  |  |   |  |
| Remarks                               |                          |                    | <ul style="list-style-type: none"> <li>●Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>●Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>●The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>●The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>●The heat source Unit should not be installed at outdoor.</li> <li>●Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>●Be sure to provide interlocking for the unit operation and water circuit.</li> <li>●The heat source twinning kit(low pressure) should be connected to the low pressure side of the heat source unit.</li> </ul> If the connected units are of different capacities, the heat source twinning kit(low pressure) should be installed in the unit with the largest capacity. |  |   |  |

| Notes :  | Unit converter  |
|--|---|
| 1.Nominal cooling conditions(subject to JIS B8615-1)<br>Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.) | kcal =kW x 860<br>BTU/h =kW x 3,412                       |
| 2.Nominal heating conditions(subject to JIS B8615-1)<br>Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)               | cfm =m <sup>3</sup> /min x 35.31<br>lbs =kg / 0.4536      |
|  | *The specification data is subject to rounding variation. |

WR2

# 1. SPECIFICATIONS

DATA G6

| Model  |                                     |  | PQRY-P500YSHM-A           |
|--|-------------------------------------|--|---------------------------|
| Power source                                     | 3-phase 4-wire 380-400-415V 50/60Hz |  |                           |
| Cooling capacity<br>(Nominal)                    | *1 kW                               | 56.0   |                           |
|  | *1 kcal / h                         | 48,200   |                           |
|  | *1 BTU / h                          | 191,100  |                           |
|  | Power input                         | kW   | 11.57                     |
|  | Current input                       | A  | 19.5-18.5-17.8            |
| Temp. range of<br>cooling                        | Indoor                              | W.B.   | 15.0 ~ 24.0°C(59 ~ 75°F)  |
|  | Circulating water                   | °C   | 10.0 ~ 45.0°C(50 ~ 113°F) |
|  | COP                                 | kW / kW  | 4.84                      |
| Heating capacity<br>(Nominal)                    | *2 kW                               | 63.0   |                           |
|  | *2 kcal / h                         | 54,200   |                           |
|  | *2 BTU / h                          | 215,000  |                           |
|  | Power input                         | kW   | 12.06                     |
|  | Current input                       | A  | 20.3-19.3-18.6            |
| Temp. range of<br>heating                        | Indoor                              | D.B.   | 15.0 ~ 27.0°C(59 ~ 81°F)  |
|  | Circulating water                   | °C   | 10.0 ~ 45.0°C(50 ~ 113°F) |
| Indoor unit<br>connectable                       | Total capacity                      | 50 ~ 150 % of heat source unit capacity                          |                           |
|  | Model / Quantity                    | P15 ~ P250 / 1 ~ 50 (Connectable branch pipe number is max. 48.) |                           |
| Sound pressure level (measured in anechoic room) | dB <A>                              | 52   |                           |
| Refrigerant                                      | High pressure                       | mm (in.)   | 22.2(7/8) Brazed          |
| piping diameter                                  | Low pressure                        | mm (in.)   | 28.58(1-1/8) Brazed       |

| Set Model                             |  |   | PQRY-P250YHM-A    | PQRY-P250YHM-A  |
|---------------------------------------|--|---|-------------------|---|
| Circulating water                     | Water flow rate  | m <sup>3</sup> / h  | 5.76 + 5.76       |   |
|                                       |  | L / min   | 96 + 96           |   |
|                                       |  | cfm   | 3.4 + 3.4         |   |
|                                       | Pressure drop  | kPa   | 17                | 17  |
| Operating volume range                | m <sup>3</sup> / h   | 4.5 + 4.5 ~ 7.2 + 7.2   |                   |   |
| Compressor                            | Type x Quantity  | Inverter scroll hermetic compressor                             |                   |   |
|                                       | Manufacture  | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |                   | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |
|                                       | Starting method  | Inverter  |                   |   |
|                                       | Motor output   | kW  | 6.3               | 6.3   |
|                                       | Case heater  | kW  | 0.035(240 V)      | 0.035(240 V)  |
|                                       | Lubricant  | MEL32   |                   |   |
| External finish                       | Acrylic painted steel plate  |   |                   |   |
| External dimension HxWxD              | mm   | 1,160(1,100 without legs) x 880 x 550                           |                   | 1,160(1,100 without legs) x 880 x 550                           |
|                                       | in.  | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |                   | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |
| 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) |
|                                       | Inverter circuit (COMP.)   | Over-heat protection, Over-current protection                   |                   | Over-heat protection, Over-current protection                   |
|                                       | Compressor   | Over-heat protection  |                   | Over-heat protection  |
| Refrigerant                           | Type x original charge   | R410A x 5.0kg (12lbs)   |                   | R410A x 5.0kg (12lbs)   |
|                                       | Control  | Indoor LEV and BC controller                                    |                   |   |
| Net weight                            | kg (lbs)   | 181(400)  | 181(400)          |   |
| Heat exchanger                        | plate type   |   |                   |   |
|                                       | Water volume in plate  | l   | 5.0               | 5.0   |
|                                       | Water pressure Max.  | MPa   | 1.0               | 1.0   |
| HIC circuit (HIC: Heat Inter-Changer) | -  |   |                   |   |
| Pipe between unit and distributor     | High pressure  | mm (in.)  | 19.05(3/4) Brazed | 19.05(3/4) Brazed   |
|                                       | Low pressure   | mm (in.)  | -                 | 22.2(7/8) Brazed  |
| Drawing                               | External   | KB94T147  |                   |   |
|                                       | Wiring   | KE94C302  | KE94C302          |   |
| Standard attachment                   | Document   | Installation Manual   |                   |   |
|                                       | Accessory  | Refrigerant conn. pipe  |                   |   |
| Optional parts                        | Heat Source Twinning kit: CMY-Q100VBK<br>Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J<br>Main BC controller: CMB-P108, 1010, 1013, 1016V-GA<br>Sub BC controller: CMB-P104, 108V-GB, CMB-P1016V-HB   |   |                   |   |
| Remarks                               | <ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> <li>•The heat source twinning kit(low pressure) should be connected to the low pressure side of the heat source unit.</li> </ul> <p>If the connected units are of different capacities, the heat source twinning kit(low pressure) should be installed in the unit with the largest capacity.</p> |   |                   |   |

| Notes :  | Unit converter  |
|--|---|
| 1.Nominal cooling conditions(subject to JIS B8615-1)<br>Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.) | kcal =kW x 860<br>BTU/h =kW x 3,412                       |
| 2.Nominal heating conditions(subject to JIS B8615-1)<br>Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)               | cfm =m <sup>3</sup> /min x 35.31<br>lbs =kg / 0.4536      |
|  | *The specification data is subject to rounding variation. |

| Model  |                   |          | PQRY-P550YSHM-A  |                |  |
|--|-------------------|----------|--|----------------|--|
| Power source                                     |                   |          | 3-phase 4-wire 380-400-415V 50/60Hz                              |                |  |
| Cooling capacity<br>(Nominal)                    | *1                | kW       | 63.0   |                |  |
|  | *1                | kcal / h | 54,200   |                |  |
|  | *1                | BTU / h  | 215,000  |                |  |
|  | Power input       |          | kW   | 13.60          |  |
|  | Current input     |          | A  | 22.9-21.8-21.0 |  |
| Temp. range of<br>cooling                        | COP               |          | 4.63   |                |  |
|  | Indoor            | W.B.     | 15.0 ~ 24.0°C(59 ~ 75°F)   |                |  |
|  | Circulating water | °C       | 10.0 ~ 45.0°C(50 ~ 113°F)  |                |  |
| Heating capacity<br>(Nominal)                    | *2                | kW       | 69.0   |                |  |
|  | *2                | kcal / h | 59,300   |                |  |
|  | *2                | BTU / h  | 235,400  |                |  |
|  | Power input       |          | kW   | 14.65          |  |
|  | Current input     |          | A  | 24.7-23.4-22.6 |  |
| Temp. range of<br>heating                        | COP               |          | 4.70   |                |  |
|  | Indoor            | D.B.     | 15.0 ~ 27.0°C(59 ~ 81°F)   |                |  |
|  | Circulating water | °C       | 10.0 ~ 45.0°C(50 ~ 113°F)  |                |  |
| Indoor unit<br>connectable                       | Total capacity    |          | 50 ~ 150 % of heat source unit capacity                          |                |  |
|  | Model / Quantity  |          | P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.) |                |  |
| Sound pressure level (measured in anechoic room) |                   | dB <A>   | 52.5   |                |  |
| Refrigerant<br>piping diameter                   | High pressure     | mm (in.) | 28.58(1-1/8) Brazed  |                |  |
|  | Low pressure      | mm (in.) | 28.58(1-1/8) Brazed  |                |  |

| Set Model                             |                          |                    | PQRY-P300YHM-A  |  | PQRY-P250YHM-A  |  |
|---------------------------------------|--------------------------|--------------------|---|--|---|--|
| Circulating water                     | Water flow rate          | m <sup>3</sup> / h | 5.76 + 5.76   |  |   |  |
|                                       |                          | L / min            | 96 + 96   |  |   |  |
|                                       |                          | cfm                | 3.4 + 3.4   |  |   |  |
|                                       | Pressure drop            | kPa                | 17  |  | 17  |  |
| Operating volume range                |                          | m <sup>3</sup> / h | 4.5 + 4.5 ~ 7.2 + 7.2   |  |   |  |
| Compressor                            | Type x Quantity          |                    | Inverter scroll hermetic compressor   |  | Inverter scroll hermetic compressor                             |  |
|                                       | Manufacture              |                    | AC&R Works, MITSUBISHI ELECTRIC CORPORATION   |  | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |  |
|                                       | Starting method          |                    | Inverter  |  | Inverter  |  |
|                                       | Motor output             | kW                 | 7.4   |  | 6.3   |  |
|                                       | Case heater              | kW                 | 0.035(240 V)  |  | 0.035(240 V)  |  |
|                                       | Lubricant                |                    | MEL32   |  | MEL32   |  |
| External finish                       |                          |                    | Acrylic painted steel plate   |  | Acrylic painted steel plate                                     |  |
| External dimension HxWxD              | mm                       |                    | 1,160(1,100 without legs) x 880 x 550   |  | 1,160(1,100 without legs) x 880 x 550                           |  |
|                                       | in.                      |                    | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16  |  | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |  |
| 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) |  |
|                                       | Inverter circuit (COMP.) |                    | Over-heat protection, Over-current protection   |  | Over-heat protection, Over-current protection                   |  |
|                                       | Compressor               |                    | Over-heat protection  |  | Over-heat protection  |  |
| Refrigerant                           | Type x original charge   |                    | R410A x 5.0kg (12lbs)   |  | R410A x 5.0kg (12lbs)   |  |
|                                       | Control                  |                    | Indoor LEV and BC controller  |  |   |  |
| Net weight                            |                          | kg (lbs)           | 181(400)  |  | 181(400)  |  |
| Heat exchanger                        | plate type               |                    | plate type  |  | plate type  |  |
|                                       | Water volume in plate    | l                  | 5.0   |  | 5.0   |  |
|                                       | Water pressure Max.      | MPa                | 1.0   |  | 1.0   |  |
| HIC circuit (HIC: Heat Inter-Changer) |                          |                    | -   |  | -   |  |
| Pipe between unit and distributor     | High pressure            | mm (in.)           | 19.05(3/4) Brazed   |  | 19.05(3/4) Brazed   |  |
|                                       | Low pressure             | mm (in.)           | -   |  | 22.2(7/8) Brazed  |  |
| Drawing                               | External                 |                    | KB94T147  |  |   |  |
|                                       | Wiring                   |                    | KE94C302  |  | KE94C302  |  |
| Standard attachment                   | Document                 |                    | Installation Manual   |  |   |  |
|                                       | Accessory                |                    | Refrigerant conn. pipe  |  |   |  |
| Optional parts                        |                          |                    | Heat Source Twinning kit: CMY-Q100VBK<br>Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J<br>Main BC controller: CMB-P108,1010,1013,1016V-GA<br>Sub BC controller: CMB-P104,108V-GB,CMB-P1016V-HB  |  |   |  |
| Remarks                               |                          |                    | <ul style="list-style-type: none"> <li>●Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>●Due to continuing improvement, above specifications may be subject to change without notice</li> <li>●The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>●The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>●The heat source Unit should not be installed at outdoor.</li> <li>●Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>●Be sure to provide interlocking for the unit operation and water circuit.</li> <li>●The heat source twinning kit(low pressure) should be connected to the low pressure side of the heat source unit.</li> </ul> <p>If the connected units are of different capacities, the heat source twinning kit(low pressure) should be installed in the unit with the largest capacity.</p> |  |   |  |

| Notes :  | Unit converter  |
|--|---|
| 1.Nominal cooling conditions(subject to JIS B8615-1)<br>Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.) | kcal =kW x 860<br>BTU/h =kW x 3,412                       |
| 2.Nominal heating conditions(subject to JIS B8615-1)<br>Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)               | cfm =m <sup>3</sup> /min x 35.31<br>lbs =kg / 0.4536      |
|  | *The specification data is subject to rounding variation. |

WR2

# 1. SPECIFICATIONS

DATA G6

| Model  |                                     |  | PQRY-P600YSHM-A           |  |
|--|-------------------------------------|--|---------------------------|--|
| Power source                                     | 3-phase 4-wire 380-400-415V 50/60Hz |  |                           |  |
| Cooling capacity<br>(Nominal)                    | *1                                  | kW   | 69.0                      |  |
|  | *1                                  | kcal / h   | 59,300                    |  |
|  | *1                                  | BTU / h  | 235,400                   |  |
|  | Power input                         | kW   | 15.62                     |  |
|  | Current input                       | A  | 26.3-25.0-24.1            |  |
| Temp. range of<br>cooling                        |                                     | kW / kW  | 4.41                      |  |
|  | Indoor                              | W.B.   | 15.0 ~ 24.0°C(59 ~ 75°F)  |  |
|  | Circulating water                   | °C   | 10.0 ~ 45.0°C(50 ~ 113°F) |  |
| Heating capacity<br>(Nominal)                    | *2                                  | kW   | 76.5                      |  |
|  | *2                                  | kcal / h   | 65,800                    |  |
|  | *2                                  | BTU / h  | 261,000                   |  |
|  | Power input                         | kW   | 17.12                     |  |
|  | Current input                       | A  | 28.9-27.4-26.4            |  |
| Temp. range of<br>heating                        |                                     | kW / kW  | 4.46                      |  |
|  | Indoor                              | D.B.   | 15.0 ~ 27.0°C(59 ~ 81°F)  |  |
|  | Circulating water                   | °C   | 10.0 ~ 45.0°C(50 ~ 113°F) |  |
| Indoor unit<br>connectable                       | Total capacity                      | 50 ~ 150 % of heat source unit capacity                          |                           |  |
|  | Model / Quantity                    | P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.) |                           |  |
| Sound pressure level (measured in anechoic room) | dB <A>                              | 53   |                           |  |
| Refrigerant                                      | High pressure                       | mm (in.)   | 28.58(1-1/8) Brazed       |  |
| piping diameter                                  | Low pressure                        | mm (in.)   | 28.58(1-1/8) Brazed       |  |

| Set Model                             |  |   | PQRY-P300YHM-A              |   | PQRY-P300YHM-A |  |
|---------------------------------------|--|---|-----------------------------|---|----------------|--|
| Circulating water                     | Water flow rate  | m <sup>3</sup> / h  | 5.76 + 5.76                 |   |                |  |
|                                       |  | L / min   | 96 + 96                     |   |                |  |
|                                       |  | cfm   | 3.4 + 3.4                   |   |                |  |
|                                       | Pressure drop  | kPa   | 17                          |   | 17             |  |
| Operating volume<br>range             | m <sup>3</sup> / h   | 4.5 + 4.5 ~ 7.2 + 7.2   |                             |   |                |  |
| Compressor                            | Type x Quantity  | Inverter scroll hermetic compressor                             |                             | Inverter scroll hermetic compressor                             |                |  |
|                                       | Manufacture  | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |                             | AC&R Works, MITSUBISHI ELECTRIC CORPORATION                     |                |  |
|                                       | Starting method  | Inverter  |                             | Inverter  |                |  |
|                                       | Motor output   | kW  | 7.4                         |   | 7.4            |  |
|                                       | Case heater  | kW  | 0.035(240 V)                |   | 0.035(240 V)   |  |
|                                       | Lubricant  | MEL32   |                             | MEL32   |                |  |
| External finish                       | Acrylic painted steel plate  |   | Acrylic painted steel plate |   |                |  |
| External dimension HxWxD              | mm   | 1,160(1,100 without legs) x 880 x 550                           |                             | 1,160(1,100 without legs) x 880 x 550                           |                |  |
|                                       | in.  | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |                             | 45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16            |                |  |
| 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) |                |  |
|                                       | Inverter circuit (COMP.)   | Over-heat protection, Over-current protection                   |                             | Over-heat protection, Over-current protection                   |                |  |
|                                       | Compressor   | Over-heat protection  |                             | Over-heat protection  |                |  |
| Refrigerant                           | Type x original charge   | R410A x 5.0kg (12lbs)   |                             | R410A x 5.0kg (12lbs)   |                |  |
|                                       | Control  | Indoor LEV and BC controller                                    |                             |   |                |  |
| Net weight                            | kg (lbs)   | 181(400)  |                             | 181(400)  |                |  |
| Heat exchanger                        | plate type   |   | plate type                  |   |                |  |
|                                       | Water volume in plate  | l   | 5.0                         |   |                |  |
|                                       | Water pressure Max.  | MPa   | 1.0                         |   |                |  |
| HIC circuit (HIC: Heat Inter-Changer) | -  |   | -                           |   |                |  |
| Pipe between unit and distributor     | High pressure  | mm (in.)  | 19.05(3/4) Brazed           |   |                |  |
|                                       | Low pressure   | mm (in.)  | -                           |   |                |  |
| Drawing                               | External   | KB94T147  |                             |   |                |  |
|                                       | Wiring   | KE94C302  | KE94C302                    |   |                |  |
| Standard attachment                   | Document   | Installation Manual   |                             |   |                |  |
|                                       | Accessory  | Refrigerant conn. pipe  |                             |   |                |  |
| Optional parts                        | Heat Source Twinning kit: CMY-Q100VBK<br>Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J<br>Main BC controller: CMB-P108, 1010, 1013, 1016V-GA<br>Sub BC controller: CMB-P104, 108V-GB, CMB-P1016V-HB   |   |                             |   |                |  |
| Remarks                               | <ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> <li>•The heat source twinning kit(low pressure) should be connected to the low pressure side of the heat source unit.</li> </ul> <p>If the connected units are of different capacities, the heat source twinning kit(low pressure) should be installed in the unit with the largest capacity.</p> |   |                             |   |                |  |

| Notes :   | Unit converter  |
|---|---|
| 1.Nominal cooling conditions(subject to JIS B8615-1)<br>Indoor:27°CDB/19°CWB(81°FDB/66°F WB), Water temperature:30°C(86°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.) | kcal =kW x 860<br>BTU/h =kW x 3,412                       |
| 2.Nominal heating conditions(subject to JIS B8615-1)<br>Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F)<br>Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)                | cfm =m <sup>3</sup> /min x 35.31<br>lbs =kg / 0.4536      |
|   | *The specification data is subject to rounding variation. |