

# OUTDOOR UNIT

## Y Series

### PUHY-P YJM-A(-BS)

#### ► Specifications



| Model                                               |                              |                 | PUHY-P200YJM-A(-BS)                                                                                 |                                     | PUHY-P250YJM-A(-BS)                                                                                 |                                     | PUHY-P300YJM-A(-BS)                                                                                 |                                     |  |
|-----------------------------------------------------|------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------|--|
| Power source                                        |                              |                 | 3-phase 4-wire 380-400-415V 50/60Hz                                                                 |                                     | 3-phase 4-wire 380-400-415V 50/60Hz                                                                 |                                     | 3-phase 4-wire 380-400-415V 50/60Hz                                                                 |                                     |  |
| Cooling capacity<br>(Nominal)                       | *1                           | kW              | 22.4                                                                                                |                                     | 28.0                                                                                                |                                     | 33.5                                                                                                |                                     |  |
|                                                     |                              | BTU / h         | 76,400                                                                                              |                                     | 95,500                                                                                              |                                     | 114,300                                                                                             |                                     |  |
|                                                     | Power input                  | kW              | 5.62                                                                                                |                                     | 7.40                                                                                                |                                     | 9.00                                                                                                |                                     |  |
|                                                     |                              | Current input   | A                                                                                                   | 9.4-9.0-8.6                         |                                                                                                     | 12.4-11.8-11.4                      |                                                                                                     | 15.1-14.4-13.9                      |  |
|                                                     |                              | COP             | kW / kW                                                                                             | 3.98                                |                                                                                                     | 3.78                                |                                                                                                     | 3.72                                |  |
| Temp. range of<br>cooling                           | Indoor                       | W.B.            | 15.0~24.0°C(59~75°F)                                                                                |                                     | 15.0~24.0°C(59~75°F)                                                                                |                                     | 15.0~24.0°C(59~75°F)                                                                                |                                     |  |
|                                                     | Outdoor                      | D.B.            | -5.0~46.0°C(23~115°F)                                                                               |                                     | -5.0~46.0°C(23~115°F)                                                                               |                                     | -5.0~46.0°C(23~115°F)                                                                               |                                     |  |
| Heating capacity<br>(Nominal)                       | *2                           | kW              | 25.0                                                                                                |                                     | 31.5                                                                                                |                                     | 37.5                                                                                                |                                     |  |
|                                                     |                              | BTU / h         | 85,300                                                                                              |                                     | 107,500                                                                                             |                                     | 128,000                                                                                             |                                     |  |
|                                                     | Power input                  | kW              | 5.84                                                                                                |                                     | 7.34                                                                                                |                                     | 9.25                                                                                                |                                     |  |
|                                                     |                              | Current input   | A                                                                                                   | 9.8-9.3-9.0                         |                                                                                                     | 12.3-11.7-11.3                      |                                                                                                     | 15.6-14.8-14.2                      |  |
|                                                     |                              | COP             | kW / kW                                                                                             | 4.28                                |                                                                                                     | 4.29                                |                                                                                                     | 4.05                                |  |
| Temp. range of<br>heating                           | Indoor                       | D.B.            | 15.0~27.0°C(59~81°F)                                                                                |                                     | 15.0~27.0°C(59~81°F)                                                                                |                                     | 15.0~27.0°C(59~81°F)                                                                                |                                     |  |
|                                                     | Outdoor                      | W.B.            | -20.0~15.5°C(-4~60°F)                                                                               |                                     | -20.0~15.5°C(-4~60°F)                                                                               |                                     | -20.0~15.5°C(-4~60°F)                                                                               |                                     |  |
| Indoor unit<br>connectable                          | Total capacity               |                 | 50~130 % of outdoor unit capacity                                                                   |                                     | 50~130 % of outdoor unit capacity                                                                   |                                     | 50~130 % of outdoor unit capacity                                                                   |                                     |  |
|                                                     | Model / Quantity             |                 | P15~P250 / 1~17                                                                                     |                                     | P15~P250 / 1~21                                                                                     |                                     | P15~P250 / 1~26                                                                                     |                                     |  |
| Sound pressure level<br>(measured in anechoic room) |                              | dB <A>          | 56                                                                                                  |                                     | 58                                                                                                  |                                     | 59                                                                                                  |                                     |  |
| Power pressure level<br>(measured in anechoic room) |                              | dB <A>          | 76                                                                                                  |                                     | 78                                                                                                  |                                     | 79                                                                                                  |                                     |  |
| Refrigerant piping<br>diameter                      | Liquid pipe                  | mm (in.)        | 9.52(3/8) Brazed                                                                                    |                                     | 9.52(3/8) Brazed (12.7(1/2) Brazed, total length >= 90m)                                            |                                     | 9.52(3/8) Brazed (12.7(1/2) Brazed, total length >= 40m)                                            |                                     |  |
|                                                     | Gas pipe                     | mm (in.)        | 19.05(3/4) Brazed                                                                                   |                                     | 22.2(7/8) Brazed                                                                                    |                                     | 22.2(7/8) Brazed                                                                                    |                                     |  |
| FAN                                                 | Type x Quantity              |                 | Propeller fan x 1                                                                                   |                                     | Propeller fan x 1                                                                                   |                                     | Propeller fan x 1                                                                                   |                                     |  |
|                                                     | Air flow rate                | m³/min          | 170                                                                                                 |                                     | 170                                                                                                 |                                     | 170                                                                                                 |                                     |  |
|                                                     |                              | L/s             | 2,833                                                                                               |                                     | 2,833                                                                                               |                                     | 2,833                                                                                               |                                     |  |
|                                                     |                              | cfm             | 6,003                                                                                               |                                     | 6,003                                                                                               |                                     | 6,003                                                                                               |                                     |  |
|                                                     | Driving mechanism            |                 | Inverter-control, Direct-driven by motor                                                            |                                     | Inverter-control, Direct-driven by motor                                                            |                                     | Inverter-control, Direct-driven by motor                                                            |                                     |  |
|                                                     | Motor output                 | kW              | 0.46 x 1                                                                                            |                                     | 0.46 x 1                                                                                            |                                     | 0.46 x 1                                                                                            |                                     |  |
|                                                     | *3 External static press.    |                 | 0 Pa (0 mmH₂O)                                                                                      |                                     | 0 Pa (0 mmH₂O)                                                                                      |                                     | 0 Pa (0 mmH₂O)                                                                                      |                                     |  |
|                                                     | Compressor                   | Type x Quantity |                                                                                                     | Inverter scroll hermetic compressor |                                                                                                     | Inverter scroll hermetic compressor |                                                                                                     | Inverter scroll hermetic compressor |  |
| Starting method                                     |                              | Inverter        |                                                                                                     | Inverter                            |                                                                                                     | Inverter                            |                                                                                                     |                                     |  |
| Motor output                                        |                              | kW              | 5.4                                                                                                 |                                     | 6.8                                                                                                 |                                     | 7.7                                                                                                 |                                     |  |
| Case heater                                         |                              | kW              | 0.035                                                                                               |                                     | 0.035                                                                                               |                                     | 0.045                                                                                               |                                     |  |
| External finish                                     |                              |                 | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                                     | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                                     | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                                     |  |
| External dimension HxWxD                            |                              | mm              | 1,710(1,650 without legs) x 920 x 760                                                               |                                     | 1,710(1,650 without legs) x 920 x 760                                                               |                                     | 1,710(1,650 without legs) x 920 x 760                                                               |                                     |  |
|                                                     |                              | in.             | 67-3/8(65 without legs) x 36-1/4 x 29-15/16                                                         |                                     | 67-3/8(65 without legs) x 36-1/4 x 29-15/16                                                         |                                     | 67-3/8(65 without legs) x 36-1/4 x 29-15/16                                                         |                                     |  |
| Protection<br>devices                               | High pressure protection     |                 | High pressure sensor, High pressure switch at 4.15MPa (60.1 psi)                                    |                                     | High pressure sensor, High pressure switch at 4.15MPa (60.1 psi)                                    |                                     | High pressure sensor, High pressure switch at 4.15MPa (60.1 psi)                                    |                                     |  |
|                                                     | Inverter circuit (COMP./FAN) |                 | Over-heat protection, Over-current protection                                                       |                                     | Over-heat protection, Over-current protection                                                       |                                     | Over-heat protection, Over-current protection                                                       |                                     |  |
|                                                     | Compressor                   |                 | Over-heat protection                                                                                |                                     | Over-heat protection                                                                                |                                     | Over-heat protection                                                                                |                                     |  |
|                                                     | Fan motor                    |                 | Thermal switch                                                                                      |                                     | Thermal switch                                                                                      |                                     | Thermal switch                                                                                      |                                     |  |
| Refrigerant                                         | Type x original charge       |                 | R410A x 6.5kg (15lbs)                                                                               |                                     | R410A x 8.0kg (18lbs)                                                                               |                                     | R410A x 8.0kg (18lbs)                                                                               |                                     |  |
| Net weight                                          | kg (lbs)                     |                 | 190(419)                                                                                            |                                     | 200(441)                                                                                            |                                     | 215(474)                                                                                            |                                     |  |
| Heat exchanger                                      |                              |                 | Salt-resistant cross fin & copper tube                                                              |                                     | Salt-resistant cross fin & copper tube                                                              |                                     | Salt-resistant cross fin & copper tube                                                              |                                     |  |
| Optional parts                                      |                              |                 | Joint: CMY-Y102SS-G2<br>Header: CMY-Y104/108/1010-G                                                 |                                     | Joint: CMY-Y102SS-G2<br>Header: CMY-Y104/108/1010-G                                                 |                                     | Joint: CMY-Y102SS-G2<br>Header: CMY-Y104/108/1010-G                                                 |                                     |  |

#### Notes:

\*1,\*2 Nominal conditions

|         | Indoor                               | Outdoor                        | Pipe length       | Level difference |
|---------|--------------------------------------|--------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB<br>(81°F DB/66°F WB) | 35°C DB(95°F DB)               | 7.5m (24-9/16ft.) | 0m (0ft.)        |
| Heating | 20°C DB(68°F DB)                     | 7°C DB/6°C WB(45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.)        |

\*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH<sub>2</sub>O, 6.1mmH<sub>2</sub>O).

\*Nominal condition \*1,\*2 are subject to JIS B8615-1.

\*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT  
Y Series  
PUHY-P YJM-A(-BS)



► Specifications

| Model                                            |                              |                        | PUHY-P350YJM-A(-BS)                                                                           | PUHY-P400YJM-A(-BS)                                                                           | PUHY-P450YJM-A(-BS)                                                                           |
|--------------------------------------------------|------------------------------|------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Power source                                     |                              |                        | 3-phase 4-wire 380-400-415V 50/60Hz                                                           | 3-phase 4-wire 380-400-415V 50/60Hz                                                           | 3-phase 4-wire 380-400-415V 50/60Hz                                                           |
| Cooling capacity (Nominal)                       | *1                           | kW                     | 40.0                                                                                          | 45.0                                                                                          | 50.0                                                                                          |
|                                                  |                              | BTU / h                | 136,500                                                                                       | 153,500                                                                                       | 170,600                                                                                       |
|                                                  | Power input                  | kW                     | 11.01                                                                                         | 13.11                                                                                         | 15.47                                                                                         |
|                                                  |                              | A                      | 18.5-17.6-17.0                                                                                | 22.1-21.0-20.2                                                                                | 26.1-24.8-23.9                                                                                |
|                                                  |                              | COP                    | 3.63                                                                                          | 3.43                                                                                          | 3.23                                                                                          |
| Temp. range of cooling                           | Indoor                       | W.B.                   | 15.0~24.0°C(59~75°F)                                                                          | 15.0~24.0°C(59~75°F)                                                                          | 15.0~24.0°C(59~75°F)                                                                          |
|                                                  | Outdoor                      | D.B.                   | -5.0~46.0°C(23~115°F)                                                                         | -5.0~46.0°C(23~115°F)                                                                         | -5.0~46.0°C(23~115°F)                                                                         |
| Heating capacity (Nominal)                       | *2                           | kW                     | 45.0                                                                                          | 50.0                                                                                          | 56.0                                                                                          |
|                                                  |                              | BTU / h                | 153,500                                                                                       | 170,600                                                                                       | 191,100                                                                                       |
|                                                  | Power input                  | kW                     | 11.19                                                                                         | 12.82                                                                                         | 14.62                                                                                         |
|                                                  |                              | A                      | 18.8-17.9-17.2                                                                                | 21.6-20.5-19.8                                                                                | 24.6-23.4-22.5                                                                                |
|                                                  |                              | COP                    | 4.02                                                                                          | 3.90                                                                                          | 3.83                                                                                          |
| Temp. range of heating                           | Indoor                       | W.B.                   | 15.0~27.0°C(59~81°F)                                                                          | 15.0~27.0°C(59~81°F)                                                                          | 15.0~27.0°C(59~81°F)                                                                          |
|                                                  | Outdoor                      | W.B.                   | -20.0~15.5°C(-4~60°F)                                                                         | -20.0~15.5°C(-4~60°F)                                                                         | -20.0~15.5°C(-4~60°F)                                                                         |
| Indoor unit connectable                          | Total capacity               |                        | 50~130 % of outdoor unit capacity                                                             | 50~130 % of outdoor unit capacity                                                             | 50~130 % of outdoor unit capacity                                                             |
|                                                  | Model / Quantity             |                        | P15~P250 / 1~30                                                                               | P15~P250 / 1~34                                                                               | P15~P250 / 1~39                                                                               |
| Sound pressure level (measured in anechoic room) |                              | dB <A>                 | 60                                                                                            | 61                                                                                            | 62                                                                                            |
| Power pressure level (measured in anechoic room) |                              | dB <A>                 | 80                                                                                            | 81                                                                                            | 82                                                                                            |
| Refrigerant piping diameter                      | Liquid pipe                  | mm (in.)               | 12.7(1/2) Brazed                                                                              | 12.7(1/2) Brazed                                                                              | 15.88(5/8) Brazed                                                                             |
|                                                  | Gas pipe                     | mm (in.)               | 28.58(1-1/8) Brazed                                                                           | 28.58(1-1/8) Brazed                                                                           | 28.58(1-1/8) Brazed                                                                           |
| FAN                                              | Type x Quantity              |                        | Propeller fan x 1                                                                             | Propeller fan x 1                                                                             | Propeller fan x 2                                                                             |
|                                                  | Air flow rate                | m³/min                 | 210                                                                                           | 210                                                                                           | 370                                                                                           |
|                                                  |                              | L/s                    | 3,500                                                                                         | 3,500                                                                                         | 6,167                                                                                         |
|                                                  |                              | cfm                    | 7,415                                                                                         | 7,415                                                                                         | 13,065                                                                                        |
|                                                  | Driving mechanism            |                        | Inverter-control, Direct-driven by motor                                                      | Inverter-control, Direct-driven by motor                                                      | Inverter-control, Direct-driven by motor                                                      |
| Compressor                                       | *3                           | Motor output           | 0.46 x 1                                                                                      | 0.46 x 1                                                                                      | 0.46 x 2                                                                                      |
|                                                  |                              | External static press. | 0 Pa (0 mmH₂O)                                                                                | 0 Pa (0 mmH₂O)                                                                                | 0 Pa (0 mmH₂O)                                                                                |
|                                                  | Type x Quantity              |                        | Inverter scroll hermetic compressor                                                           | Inverter scroll hermetic compressor                                                           | Inverter scroll hermetic compressor                                                           |
|                                                  | Starting method              |                        | Inverter                                                                                      | Inverter                                                                                      | Inverter                                                                                      |
|                                                  | Motor output                 | kW                     | 9.9                                                                                           | 10.1                                                                                          | 11.6                                                                                          |
| Case heater                                      |                              | kW                     | 0.045                                                                                         | 0.045                                                                                         | 0.045                                                                                         |
| External finish                                  |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> |
| External dimension HxWxD                         |                              |                        | mm                                                                                            | 1,710(1,650 without legs) x 1,220 x 760                                                       | 1,710(1,650 without legs) x 1,220 x 760                                                       |
|                                                  |                              |                        | in.                                                                                           | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                  | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                  |
| 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)                               | High pressure sensor, High pressure switch at 4.15MPa (601 psi)                               |
|                                                  | Inverter circuit (COMP./FAN) |                        | Over-heat protection, Over-current protection                                                 | Over-heat protection, Over-current protection                                                 | Over-heat protection, Over-current protection                                                 |
|                                                  | Compressor                   |                        | Over-heat protection                                                                          | Over-heat protection                                                                          | Over-heat protection                                                                          |
| Refrigerant                                      | Fan motor                    |                        | Thermal switch                                                                                | Thermal switch                                                                                | Thermal switch                                                                                |
|                                                  | Type x original charge       |                        | R410A x 11.5kg (26lbs)                                                                        | R410A x 11.5kg (26lbs)                                                                        | R410A x 11.8kg (27lbs)                                                                        |
| Net weight                                       |                              | kg (lbs)               | 250(552)                                                                                      | 250(552)                                                                                      | 290(640)                                                                                      |
| Heat exchanger                                   |                              |                        | Salt-resistant cross fin & copper tube                                                        | Salt-resistant cross fin & copper tube                                                        | Salt-resistant cross fin & copper tube                                                        |
| Optional parts                                   |                              |                        | Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2<br>Header: CMY-Y104/108/1010-G                          | Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2<br>Header: CMY-Y104/108/1010-G                          | Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2<br>Header: CMY-Y104/108/1010-G                          |

OUTDOOR UNIT  
Y Series  
PUHY-P YSJM-A(1)(-BS)



► Specifications

| Model                                            |                              |                                   | PUHY-P500YSJM-A(-BS)                                                                                       |                                             | PUHY-P500YSJM-A1(-BS)                                                                                      |                                             | PUHY-P550YSJM-A(-BS)                                                                                            |                                             | PUHY-P600YSJM-A1(-BS)                                                                                           |                                             |  |
|--------------------------------------------------|------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|--|
| Power source                                     |                              |                                   | 3-phase 4-wire 380-400-415V 50/60Hz                                                                        |                                             | 3-phase 4-wire 380-400-415V 50/60Hz                                                                        |                                             | 3-phase 4-wire 380-400-415V 50/60Hz                                                                             |                                             | 3-phase 4-wire 380-400-415V 50/60Hz                                                                             |                                             |  |
| Cooling capacity (Nominal)                       | *1                           | kW                                | 56.0                                                                                                       |                                             | 56.0                                                                                                       |                                             | 63.0                                                                                                            |                                             | 69.0                                                                                                            |                                             |  |
|                                                  |                              | BTU / h                           | 191,100                                                                                                    |                                             | 191,100                                                                                                    |                                             | 215,000                                                                                                         |                                             | 235,400                                                                                                         |                                             |  |
|                                                  | Power input                  | kW                                | 15.38                                                                                                      |                                             | 15.05                                                                                                      |                                             | 17.16                                                                                                           |                                             | 19.00                                                                                                           |                                             |  |
|                                                  |                              | Current input                     | A                                                                                                          | 25.9-24.6-23.7                              |                                                                                                            | 25.4-24.1-23.2                              |                                                                                                                 | 28.9-27.5-26.5                              |                                                                                                                 | 32.0-30.4-29.3                              |  |
|                                                  |                              | COP                               | kW / kW                                                                                                    | 3.64                                        |                                                                                                            | 3.72                                        |                                                                                                                 | 3.67                                        |                                                                                                                 | 3.63                                        |  |
| Temp. range of cooling                           | Indoor                       | W.B.                              | 15.0~24.0°C(59~75°F)                                                                                       |                                             | 15.0~24.0°C(59~75°F)                                                                                       |                                             | 15.0~24.0°C(59~75°F)                                                                                            |                                             | 15.0~24.0°C(59~75°F)                                                                                            |                                             |  |
|                                                  | Outdoor                      | D.B.                              | -5.0~46.0°C(23~115°F)                                                                                      |                                             | -5.0~46.0°C(23~115°F)                                                                                      |                                             | -5.0~46.0°C(23~115°F)                                                                                           |                                             | -5.0~46.0°C(23~115°F)                                                                                           |                                             |  |
| Heating capacity (Nominal)                       | *2                           | kW                                | 63.0                                                                                                       |                                             | 63.0                                                                                                       |                                             | 69.0                                                                                                            |                                             | 76.5                                                                                                            |                                             |  |
|                                                  |                              | BTU / h                           | 215,000                                                                                                    |                                             | 215,000                                                                                                    |                                             | 235,400                                                                                                         |                                             | 261,000                                                                                                         |                                             |  |
|                                                  | Power input                  | kW                                | 15.03                                                                                                      |                                             | 15.51                                                                                                      |                                             | 16.87                                                                                                           |                                             | 19.26                                                                                                           |                                             |  |
|                                                  |                              | Current input                     | A                                                                                                          | 25.3-24.1-23.2                              |                                                                                                            | 26.1-24.8-23.9                              |                                                                                                                 | 28.4-27.0-26.0                              |                                                                                                                 | 32.5-30.8-29.7                              |  |
|                                                  |                              | COP                               | kW / kW                                                                                                    | 4.19                                        |                                                                                                            | 4.06                                        |                                                                                                                 | 4.09                                        |                                                                                                                 | 3.97                                        |  |
| Temp. range of heating                           | Indoor                       | D.B.                              | 15.0~27.0°C(59~81°F)                                                                                       |                                             | 15.0~27.0°C(59~81°F)                                                                                       |                                             | 15.0~27.0°C(59~81°F)                                                                                            |                                             | 15.0~27.0°C(59~81°F)                                                                                            |                                             |  |
|                                                  | Outdoor                      | W.B.                              | -20.0~15.5°C(-4~60°F)                                                                                      |                                             | -20.0~15.5°C(-4~60°F)                                                                                      |                                             | -20.0~15.5°C(-4~60°F)                                                                                           |                                             | -20.0~15.5°C(-4~60°F)                                                                                           |                                             |  |
| Indoor unit connectable                          | Total capacity               | 50~130 % of outdoor unit capacity |                                                                                                            | 50~130 % of outdoor unit capacity           |                                                                                                            | 50~130 % of outdoor unit capacity           |                                                                                                                 | 50~130 % of outdoor unit capacity           |                                                                                                                 |                                             |  |
|                                                  | Model / Quantity             | P15-P250 / 1~43                   |                                                                                                            | P15-P250 / 1~43                             |                                                                                                            | P15-P250 / 1~47                             |                                                                                                                 | P15-P250 / 1~50                             |                                                                                                                 |                                             |  |
| Sound pressure level (measured in anechoic room) |                              | dB <A>                            | 61                                                                                                         |                                             | 61                                                                                                         |                                             | 61.5                                                                                                            |                                             | 62                                                                                                              |                                             |  |
| Power pressure level (measured in anechoic room) |                              | dB <A>                            | 81                                                                                                         |                                             | 81                                                                                                         |                                             | 81.5                                                                                                            |                                             | 82                                                                                                              |                                             |  |
| Refrigerant piping diameter                      | Liquid pipe                  | mm (in.)                          | 15.88(5/8) Brazed                                                                                          |                                             | 15.88(5/8) Brazed                                                                                          |                                             | 15.88(5/8) Brazed                                                                                               |                                             | 15.88(5/8) Brazed                                                                                               |                                             |  |
|                                                  | Gas pipe                     | mm (in.)                          | 28.58(1-1/8) Brazed                                                                                        |                                             | 28.58(1-1/8) Brazed                                                                                        |                                             | 28.58(1-1/8) Brazed                                                                                             |                                             | 28.58(1-1/8) Brazed                                                                                             |                                             |  |
| Set Model                                        |                              |                                   |                                                                                                            |                                             |                                                                                                            |                                             |                                                                                                                 |                                             |                                                                                                                 |                                             |  |
| Model                                            |                              |                                   | PUHY-P250YJM-A(-BS)                                                                                        | PUHY-P250YJM-A(-BS)                         | PUHY-P200YJM-A(-BS)                                                                                        | PUHY-P300YJM-A(-BS)                         | PUHY-P250YJM-A(-BS)                                                                                             | PUHY-P300YJM-A(-BS)                         | PUHY-P300YJM-A(-BS)                                                                                             | PUHY-P300YJM-A(-BS)                         |  |
| FAN                                              | Type x Quantity              |                                   | Propeller fan x 1                                                                                          | Propeller fan x 1                           | Propeller fan x 1                                                                                          | Propeller fan x 1                           | Propeller fan x 1                                                                                               | Propeller fan x 1                           | Propeller fan x 1                                                                                               | Propeller fan x 1                           |  |
|                                                  | Air flow rate                | m³/min                            | 170                                                                                                        | 170                                         | 170                                                                                                        | 170                                         | 170                                                                                                             | 170                                         | 170                                                                                                             | 170                                         |  |
|                                                  |                              | L/s                               | 2,833                                                                                                      | 2,833                                       | 2,833                                                                                                      | 2,833                                       | 2,833                                                                                                           | 2,833                                       | 2,833                                                                                                           | 2,833                                       |  |
|                                                  |                              | cfm                               | 6,003                                                                                                      | 6,003                                       | 6,003                                                                                                      | 6,003                                       | 6,003                                                                                                           | 6,003                                       | 6,003                                                                                                           | 6,003                                       |  |
|                                                  | Driving mechanism            |                                   | Inverter-control, Direct-driven by motor                                                                   |                                             | Inverter-control, Direct-driven by motor                                                                   |                                             | Inverter-control, Direct-driven by motor                                                                        |                                             | Inverter-control, Direct-driven by motor                                                                        |                                             |  |
| Compressor                                       | *3                           | Motor output                      | 0.46 x 1                                                                                                   |                                             | 0.46 x 1                                                                                                   |                                             | 0.46 x 1                                                                                                        |                                             | 0.46 x 1                                                                                                        |                                             |  |
|                                                  |                              | External static press.            | 0 Pa (0 mmH₂O)                                                                                             |                                             | 0 Pa (0 mmH₂O)                                                                                             |                                             | 0 Pa (0 mmH₂O)                                                                                                  |                                             | 0 Pa (0 mmH₂O)                                                                                                  |                                             |  |
|                                                  | Type x Quantity              |                                   | Inverter scroll hermetic compressor                                                                        |                                             | Inverter scroll hermetic compressor                                                                        |                                             | Inverter scroll hermetic compressor                                                                             |                                             | Inverter scroll hermetic compressor                                                                             |                                             |  |
|                                                  | Starting method              |                                   | Inverter                                                                                                   |                                             | Inverter                                                                                                   |                                             | Inverter                                                                                                        |                                             | Inverter                                                                                                        |                                             |  |
|                                                  | Motor output                 | kW                                | 6.8                                                                                                        |                                             | 5.4                                                                                                        |                                             | 6.8                                                                                                             |                                             | 7.7                                                                                                             |                                             |  |
| Case heater                                      |                              | kW                                | 0.035                                                                                                      |                                             | 0.035                                                                                                      |                                             | 0.035                                                                                                           |                                             | 0.045                                                                                                           |                                             |  |
| External finish                                  |                              |                                   | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>              |                                             | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>              |                                             | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>                   |                                             | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>                   |                                             |  |
| External dimension HxWxD                         |                              |                                   | mm                                                                                                         | 1,710(1,650 without legs) x 920 x 760       |                                                                                                            | 1,710(1,650 without legs) x 920 x 760       |                                                                                                                 | 1,710(1,650 without legs) x 920 x 760       |                                                                                                                 | 1,710(1,650 without legs) x 920 x 760       |  |
|                                                  |                              |                                   | in.                                                                                                        | 67-3/8(65 without legs) x 36-1/4 x 29-15/16 |                                                                                                            | 67-3/8(65 without legs) x 36-1/4 x 29-15/16 |                                                                                                                 | 67-3/8(65 without legs) x 36-1/4 x 29-15/16 |                                                                                                                 | 67-3/8(65 without legs) x 36-1/4 x 29-15/16 |  |
| 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)                                            |                                             | 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./FAN) |                                   | Over-heat protection, Over-current protection                                                              |                                             | Over-heat protection, Over-current protection                                                              |                                             | Over-heat protection, Over-current protection                                                                   |                                             | Over-heat protection, Over-current protection                                                                   |                                             |  |
|                                                  | Compressor                   |                                   | Over-heat protection                                                                                       |                                             | Over-heat protection                                                                                       |                                             | Over-heat protection                                                                                            |                                             | Over-heat protection                                                                                            |                                             |  |
|                                                  | Fan motor                    |                                   | Thermal switch                                                                                             |                                             | Thermal switch                                                                                             |                                             | Thermal switch                                                                                                  |                                             | Thermal switch                                                                                                  |                                             |  |
| Refrigerant                                      |                              |                                   | Type x original charge                                                                                     |                                             | R410A x 8.0kg (18lbs)                                                                                      |                                             | R410A x 8.0kg (18lbs)                                                                                           |                                             | R410A x 8.0kg (18lbs)                                                                                           |                                             |  |
| Net weight                                       |                              |                                   | kg (lbs)                                                                                                   |                                             | 200(441)                                                                                                   |                                             | 200(441)                                                                                                        |                                             | 215(474)                                                                                                        |                                             |  |
| Heat exchanger                                   |                              |                                   | Salt-resistant cross fin & copper tube                                                                     |                                             | Salt-resistant cross fin & copper tube                                                                     |                                             | Salt-resistant cross fin & copper tube                                                                          |                                             | Salt-resistant cross fin & copper tube                                                                          |                                             |  |
| Pipe between unit and distributor                | Liquid pipe                  | mm (in.)                          | 9.52(3/8) Brazed                                                                                           |                                             | 9.52(3/8) Brazed                                                                                           |                                             | 9.52(3/8) Brazed                                                                                                |                                             | 9.52(3/8) Brazed                                                                                                |                                             |  |
|                                                  | Gas pipe                     | mm (in.)                          | 22.2(7/8) Brazed                                                                                           |                                             | 22.2(7/8) Brazed                                                                                           |                                             | 22.2(7/8) Brazed                                                                                                |                                             | 22.2(7/8) Brazed                                                                                                |                                             |  |
| Optional parts                                   |                              |                                   | Outdoor Twinning kit: CMY-Y100VBK2<br>Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2<br>Header: CMY-Y104/108/1010-G |                                             | Outdoor Twinning kit: CMY-Y100VBK2<br>Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2<br>Header: CMY-Y104/108/1010-G |                                             | Outdoor Twinning kit: CMY-Y100VBK2<br>Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                             | Outdoor Twinning kit: CMY-Y100VBK2<br>Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                             |  |

Notes:

\*1,\*2 Nominal conditions

|         | Indoor                            | Outdoor                        | Pipe length       | Level difference |
|---------|-----------------------------------|--------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB(95°F DB)               | 7.5m (24-9/16ft.) | 0m (0ft.)        |
| Heating | 20°C DB(68°F DB)                  | 7°C DB/6°C WB(45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.)        |

\*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

\*Nominal condition \*1,\*2 are subject to JIS B8615-1.

\*Due to continuing improvement, above specification may be subject to change without notice.

Notes:

\*1,\*2 Nominal conditions

|         | Indoor                            | Outdoor                        | Pipe length       | Level difference |
|---------|-----------------------------------|--------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB(95°F DB)               | 7.5m (24-9/16ft.) | 0m (0ft.)        |
| Heating | 20°C DB(68°F DB)                  | 7°C DB/6°C WB(45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.)        |

\*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

\*Nominal condition \*1,\*2 are subject to JIS B8615-1.

\*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT  
Y Series  
PUHY-P YSJM-A(1)(-BS)

► Specifications



| Model                                               |                              |                                                                                                                    | PUHY-P600YSJM-A(-BS)                                               |                                                                                                                    | PUHY-P650YSJM-A(-BS)                                               |                                                                                                                    | PUHY-P700YSJM-A1(-BS)                                              |                                                 |       |
|-----------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------|-------|
| Power source                                        |                              |                                                                                                                    | 3-phase 4-wire 380-400-415V 50/60Hz                                |                                                                                                                    | 3-phase 4-wire 380-400-415V 50/60Hz                                |                                                                                                                    | 3-phase 4-wire 380-400-415V 50/60Hz                                |                                                 |       |
| Cooling capacity<br>(Nominal)                       | *1                           | kW                                                                                                                 | 69.0                                                               |                                                                                                                    | 73.0                                                               |                                                                                                                    | 80.0                                                               |                                                 |       |
|                                                     |                              | BTU / h                                                                                                            | 235,400                                                            |                                                                                                                    | 249,100                                                            |                                                                                                                    | 273,000                                                            |                                                 |       |
|                                                     | Power input                  | kW                                                                                                                 | 18.75                                                              |                                                                                                                    | 20.39                                                              |                                                                                                                    | 23.05                                                              |                                                 |       |
|                                                     |                              | Current input                                                                                                      | A                                                                  | 31.6-30.0-28.9                                                                                                     |                                                                    | 34.4-32.7-31.5                                                                                                     |                                                                    | 38.9-36.9-35.6                                  |       |
| COP                                                 | kW / kW                      | 3.68                                                                                                               |                                                                    | 3.58                                                                                                               |                                                                    | 3.47                                                                                                               |                                                                    |                                                 |       |
|                                                     |                              |                                                                                                                    |                                                                    |                                                                                                                    |                                                                    |                                                                                                                    |                                                                    |                                                 |       |
| Temp. range of<br>cooling                           | Indoor                       | W.B.                                                                                                               | 15.0~24.0°C(59~75°F)                                               |                                                                                                                    | 15.0~24.0°C(59~75°F)                                               |                                                                                                                    | 15.0~24.0°C(59~75°F)                                               |                                                 |       |
|                                                     | Outdoor                      | D.B.                                                                                                               | -5.0~46.0°C(23~115°F)                                              |                                                                                                                    | -5.0~46.0°C(23~115°F)                                              |                                                                                                                    | -5.0~46.0°C(23~115°F)                                              |                                                 |       |
| Heating capacity<br>(Nominal)                       | *2                           | kW                                                                                                                 | 76.5                                                               |                                                                                                                    | 81.5                                                               |                                                                                                                    | 88.0                                                               |                                                 |       |
|                                                     |                              | BTU / h                                                                                                            | 261,000                                                            |                                                                                                                    | 278,100                                                            |                                                                                                                    | 300,300                                                            |                                                 |       |
|                                                     | Power input                  | kW                                                                                                                 | 18.88                                                              |                                                                                                                    | 20.47                                                              |                                                                                                                    | 23.09                                                              |                                                 |       |
|                                                     |                              | Current input                                                                                                      | A                                                                  | 31.8-30.2-29.1                                                                                                     |                                                                    | 34.5-32.8-31.6                                                                                                     |                                                                    | 38.9-37.0-35.6                                  |       |
| COP                                                 | kW / kW                      | 4.05                                                                                                               |                                                                    | 3.98                                                                                                               |                                                                    | 3.81                                                                                                               |                                                                    |                                                 |       |
|                                                     |                              |                                                                                                                    |                                                                    |                                                                                                                    |                                                                    |                                                                                                                    |                                                                    |                                                 |       |
| Temp. range of<br>heating                           | Indoor                       | D.B.                                                                                                               | 15.0~27.0°C(59~81°F)                                               |                                                                                                                    | 15.0~27.0°C(59~81°F)                                               |                                                                                                                    | 15.0~27.0°C(59~81°F)                                               |                                                 |       |
|                                                     | Outdoor                      | W.B.                                                                                                               | -20.0~15.5°C(-4~60°F)                                              |                                                                                                                    | -20.0~15.5°C(-4~60°F)                                              |                                                                                                                    | -20.0~15.5°C(-4~60°F)                                              |                                                 |       |
| Indoor unit<br>connectable                          | Total capacity               |                                                                                                                    | 50~130 % of outdoor unit capacity                                  |                                                                                                                    | 50~130 % of outdoor unit capacity                                  |                                                                                                                    | 50~130 % of outdoor unit capacity                                  |                                                 |       |
|                                                     | Model / Quantity             |                                                                                                                    | P15~P250 / 1~50                                                    |                                                                                                                    | P15~P250 / 1~50                                                    |                                                                                                                    | P15~P250 / 1~50                                                    |                                                 |       |
| Sound pressure level<br>(measured in anechoic room) | dB <A>                       |                                                                                                                    | 62                                                                 |                                                                                                                    | 62.5                                                               |                                                                                                                    | 63                                                                 |                                                 |       |
| Power pressure level<br>(measured in anechoic room) | dB <A>                       |                                                                                                                    | 82                                                                 |                                                                                                                    | 82.5                                                               |                                                                                                                    | 83                                                                 |                                                 |       |
| Refrigerant piping<br>diameter                      | Liquid pipe                  | mm (in.)                                                                                                           | 15.88(5/8) Brazed                                                  |                                                                                                                    | 15.88(5/8) Brazed                                                  |                                                                                                                    | 19.05(3/4) Brazed                                                  |                                                 |       |
|                                                     | Gas pipe                     | mm (in.)                                                                                                           | 28.58(1-1/8) Brazed                                                |                                                                                                                    | 28.58(1-1/8) Brazed                                                |                                                                                                                    | 34.93(1-3/8) Brazed                                                |                                                 |       |
| Set Model                                           |                              |                                                                                                                    |                                                                    |                                                                                                                    |                                                                    |                                                                                                                    |                                                                    |                                                 |       |
| Model                                               |                              |                                                                                                                    | PUHY-P250YJM-A(-BS)                                                | PUHY-P350YJM-A(-BS)                                                                                                | PUHY-P300YJM-A(-BS)                                                | PUHY-P350YJM-A(-BS)                                                                                                | PUHY-P300YJM-A(-BS)                                                | PUHY-P400YJM-A(-BS)                             |       |
| FAN                                                 | Type x Quantity              | Propeller fan x 1                                                                                                  |                                                                    | Propeller fan x 1                                                                                                  | Propeller fan x 1                                                  | Propeller fan x 1                                                                                                  | Propeller fan x 1                                                  | Propeller fan x 1                               |       |
|                                                     | Air flow rate                | m³/min                                                                                                             | 170                                                                |                                                                                                                    | 210                                                                | 170                                                                                                                | 210                                                                | 170                                             | 210   |
|                                                     |                              | L/s                                                                                                                | 2,833                                                              |                                                                                                                    | 3,500                                                              | 2,833                                                                                                              | 3,500                                                              | 2,833                                           | 3,500 |
|                                                     |                              | cfm                                                                                                                | 6,003                                                              |                                                                                                                    | 7,415                                                              | 6,003                                                                                                              | 7,415                                                              | 6,003                                           | 7,415 |
|                                                     | Driving mechanism            |                                                                                                                    | Inverter-control, Direct-driven by motor                           |                                                                                                                    | Inverter-control, Direct-driven by motor                           |                                                                                                                    | Inverter-control, Direct-driven by motor                           |                                                 |       |
|                                                     | Motor output                 | kW                                                                                                                 | 0.46 x 1                                                           |                                                                                                                    | 0.46 x 1                                                           | 0.46 x 1                                                                                                           | 0.46 x 1                                                           | 0.46 x 1                                        |       |
|                                                     |                              | *3 External static press.                                                                                          | 0 Pa (0 mmH₂O)                                                     |                                                                                                                    | 0 Pa (0 mmH₂O)                                                     | 0 Pa (0 mmH₂O)                                                                                                     | 0 Pa (0 mmH₂O)                                                     | 0 Pa (0 mmH₂O)                                  |       |
| Compressor                                          | Type x Quantity              | Inverter scroll hermetic compressor                                                                                |                                                                    | Inverter scroll hermetic compressor                                                                                |                                                                    | Inverter scroll hermetic compressor                                                                                |                                                                    |                                                 |       |
|                                                     | Starting method              |                                                                                                                    | Inverter                                                           |                                                                                                                    | Inverter                                                           |                                                                                                                    | Inverter                                                           |                                                 |       |
|                                                     | Motor output                 | kW                                                                                                                 | 6.8                                                                |                                                                                                                    | 9.9                                                                | 7.7                                                                                                                | 9.9                                                                | 10.1                                            |       |
|                                                     |                              | Case heater                                                                                                        | kW                                                                 | 0.035                                                                                                              |                                                                    | 0.045                                                                                                              | 0.045                                                              | 0.045                                           | 0.045 |
| External finish                                     |                              | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                                                    | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                                                    | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                                                    |                                                 |       |
| External dimension HxWxD                            |                              | mm                                                                                                                 | 1,710(1,650 without legs)<br>x 920 x 760                           |                                                                                                                    | 1,710(1,650 without legs)<br>x 1,220 x 760                         | 1,710(1,650 without legs)<br>x 1,220 x 760                                                                         | 1,710(1,650 without legs)<br>x 920 x 760                           | 1,710(1,650 without legs)<br>x 1,220 x 760      |       |
|                                                     |                              | in.                                                                                                                | 67-3/8(65 without legs)<br>x 36-1/4 x 29-15/16                     |                                                                                                                    | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16                    | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16                                                                    | 67-3/8(65 without legs)<br>x 36-1/4 x 29-15/16                     | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16 |       |
| Protection<br>devices                               | High pressure protection     |                                                                                                                    | High pressure sensor, High pressure switch<br>at 4.15MPa (601 psi) |                                                                                                                    | High pressure sensor, High pressure switch<br>at 4.15MPa (601 psi) |                                                                                                                    | High pressure sensor, High pressure switch<br>at 4.15MPa (601 psi) |                                                 |       |
|                                                     | Inverter circuit (COMP./FAN) |                                                                                                                    | Over-heat protection, Over-current protection                      |                                                                                                                    | Over-heat protection, Over-current protection                      |                                                                                                                    | Over-heat protection, Over-current protection                      |                                                 |       |
|                                                     | Compressor                   |                                                                                                                    | Over-heat protection                                               |                                                                                                                    | Over-heat protection                                               |                                                                                                                    | Over-heat protection                                               |                                                 |       |
|                                                     | Fan motor                    |                                                                                                                    | Thermal switch                                                     |                                                                                                                    | Thermal switch                                                     |                                                                                                                    | Thermal switch                                                     |                                                 |       |
| Refrigerant                                         | Type x original charge       |                                                                                                                    | R410A x 8.0kg (18lbs)                                              |                                                                                                                    | R410A x 11.5kg (26lbs)                                             | R410A x 8.0kg (18lbs)                                                                                              | R410A x 11.5kg (26lbs)                                             | R410A x 8.0kg (18lbs)                           |       |
| Net weight                                          | kg (lbs)                     |                                                                                                                    | 200(441)                                                           |                                                                                                                    | 250(552)                                                           | 215(474)                                                                                                           | 250(552)                                                           | 215(474)                                        |       |
| Heat exchanger                                      |                              | Salt-resistant cross fin & copper tube                                                                             |                                                                    | Salt-resistant cross fin & copper tube                                                                             |                                                                    | Salt-resistant cross fin & copper tube                                                                             |                                                                    |                                                 |       |
| Pipe between unit<br>and distributor                | Liquid pipe                  | mm (in.)                                                                                                           | 9.52(3/8) Brazed                                                   |                                                                                                                    | 12.7(1/2) Brazed                                                   | 12.7(1/2) Brazed                                                                                                   | 12.7(1/2) Brazed                                                   | 15.88(5/8) Brazed                               |       |
|                                                     | Gas pipe                     | mm (in.)                                                                                                           | 22.2(7/8) Brazed                                                   |                                                                                                                    | 28.58(1-1/8) Brazed                                                | 22.2(7/8) Brazed                                                                                                   | 28.58(1-1/8) Brazed                                                | 22.2(7/8) Brazed                                |       |
| Optional parts                                      |                              | Outdoor Twinning kit: CMY-Y100VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                                    | Outdoor Twinning kit: CMY-Y100VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                                    | Outdoor Twinning kit: CMY-Y200VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                                    |                                                 |       |

Notes:

\*1,\*2 Nominal conditions

|         | Indoor                               | Outdoor                        | Pipe length       | Level difference |
|---------|--------------------------------------|--------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB<br>(81°F DB/66°F WB) | 35°C DB(95°F DB)               | 7.5m (24-9/16ft.) | 0m (0ft.)        |
| Heating | 20°C DB(68°F DB)                     | 7°C DB/6°C WB(45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.)        |

\*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

\*Nominal condition \*1,\*2 are subject to JIS B8615-1.

\*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit

OUTDOOR UNIT  
Y Series  
PUHY-P YSJM-A(1)(-BS)

► Specifications



| Model                                            |                                        |                        | PUHY-P700YSJM-A(-BS)                                                                                               |                                                 | PUHY-P750YSJM-A(-BS)                                                                                               |                                                 | PUHY-P800YSJM-A1(-BS)                                                                                              |                                                 |
|--------------------------------------------------|----------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Power source                                     |                                        |                        | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                                 | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                                 | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                                 |
| Cooling capacity<br>(Nominal)                    | *1                                     | kW                     | 80.0                                                                                                               |                                                 | 85.0                                                                                                               |                                                 | 90.0                                                                                                               |                                                 |
|                                                  |                                        | *1 BTU / h             | 273,000                                                                                                            |                                                 | 290,000                                                                                                            |                                                 | 307,100                                                                                                            |                                                 |
|                                                  | Power input                            | kW                     | 22.47                                                                                                              |                                                 | 24.70                                                                                                              |                                                 | 26.86                                                                                                              |                                                 |
|                                                  |                                        | Current input          | A                                                                                                                  | 37.9-36.0-34.7                                  |                                                                                                                    | 41.6-39.6-38.1                                  |                                                                                                                    | 45.3-43.0-41.5                                  |
| Heating capacity<br>(Nominal)                    | *2                                     | COP                    | 3.56                                                                                                               |                                                 | 3.44                                                                                                               |                                                 | 3.35                                                                                                               |                                                 |
|                                                  |                                        | Temp. range of cooling | Indoor                                                                                                             | W.B.                                            | 15.0~24.0°C(59~75°F)                                                                                               |                                                 | 15.0~24.0°C(59~75°F)                                                                                               |                                                 |
|                                                  | Outdoor                                |                        | D.B.                                                                                                               | -5.0~46.0°C(23~115°F)                           |                                                                                                                    | -5.0~46.0°C(23~115°F)                           |                                                                                                                    |                                                 |
|                                                  | Heating capacity<br>(Nominal)          | *2                     | kW                                                                                                                 | 88.0                                            |                                                                                                                    | 95.0                                            |                                                                                                                    | 100.0                                           |
| *2 BTU / h                                       |                                        |                        | 300,300                                                                                                            |                                                 | 324,100                                                                                                            |                                                 | 341,200                                                                                                            |                                                 |
| Power input                                      |                                        | kW                     | 22.27                                                                                                              |                                                 | 24.67                                                                                                              |                                                 | 27.02                                                                                                              |                                                 |
|                                                  |                                        | Current input          | A                                                                                                                  | 37.5-35.7-34.4                                  |                                                                                                                    | 41.6-39.5-38.1                                  |                                                                                                                    | 45.6-43.3-41.7                                  |
| Temp. range of heating                           | COP                                    | kW / kW                | 3.95                                                                                                               |                                                 | 3.85                                                                                                               |                                                 | 3.70                                                                                                               |                                                 |
|                                                  |                                        | Indoor                 | D.B.                                                                                                               | 15.0~27.0°C(59~81°F)                            |                                                                                                                    | 15.0~27.0°C(59~81°F)                            |                                                                                                                    |                                                 |
|                                                  | Outdoor                                |                        | W.B.                                                                                                               | -20.0~15.5°C(-4~60°F)                           |                                                                                                                    | -20.0~15.5°C(-4~60°F)                           |                                                                                                                    |                                                 |
|                                                  | Indoor unit connectable                | Total capacity         |                                                                                                                    | 50~130 % of outdoor unit capacity               |                                                                                                                    | 50~130 % of outdoor unit capacity               |                                                                                                                    | 50~130 % of outdoor unit capacity               |
| Model / Quantity                                 |                                        | P15~P250 / 1~50        |                                                                                                                    | P15~P250 / 1~50                                 |                                                                                                                    | P15~P250 / 1~50                                 |                                                                                                                    |                                                 |
| Sound pressure level (measured in anechoic room) | dB <A>                                 |                        | 63                                                                                                                 |                                                 | 63.5                                                                                                               |                                                 | 64                                                                                                                 |                                                 |
| Power pressure level (measured in anechoic room) | dB <A>                                 |                        | 83                                                                                                                 |                                                 | 83.5                                                                                                               |                                                 | 84                                                                                                                 |                                                 |
| Refrigerant piping diameter                      | Liquid pipe                            | mm (in.)               | 19.05(3/4) Brazed                                                                                                  |                                                 | 19.05(3/4) Brazed                                                                                                  |                                                 | 19.05(3/4) Brazed                                                                                                  |                                                 |
|                                                  | Gas pipe                               | mm (in.)               | 34.93(1-3/8) Brazed                                                                                                |                                                 | 34.93(1-3/8) Brazed                                                                                                |                                                 | 34.93(1-3/8) Brazed                                                                                                |                                                 |
| Set Model                                        |                                        |                        |                                                                                                                    |                                                 |                                                                                                                    |                                                 |                                                                                                                    |                                                 |
| Model                                            |                                        |                        | PUHY-P350YJM-A(-BS)                                                                                                | PUHY-P350YJM-A(-BS)                             | PUHY-P350YJM-A(-BS)                                                                                                | PUHY-P400YJM-A(-BS)                             | PUHY-P400YJM-A(-BS)                                                                                                | PUHY-P400YJM-A(-BS)                             |
| FAN                                              | Type x Quantity                        |                        | Propeller fan x 1                                                                                                  | Propeller fan x 1                               | Propeller fan x 1                                                                                                  | Propeller fan x 1                               | Propeller fan x 1                                                                                                  | Propeller fan x 1                               |
|                                                  | Air flow rate                          | m³/min                 | 210                                                                                                                | 210                                             | 210                                                                                                                | 210                                             | 210                                                                                                                | 210                                             |
|                                                  |                                        | L/s                    | 3,500                                                                                                              | 3,500                                           | 3,500                                                                                                              | 3,500                                           | 3,500                                                                                                              | 3,500                                           |
|                                                  |                                        | cfm                    | 7,415                                                                                                              | 7,415                                           | 7,415                                                                                                              | 7,415                                           | 7,415                                                                                                              | 7,415                                           |
|                                                  | Driving mechanism                      |                        | Inverter-control, Direct-driven by motor                                                                           |                                                 | Inverter-control, Direct-driven by motor                                                                           |                                                 | Inverter-control, Direct-driven by motor                                                                           |                                                 |
|                                                  | Motor output                           | kW                     | 0.46 x 1                                                                                                           | 0.46 x 1                                        | 0.46 x 1                                                                                                           | 0.46 x 1                                        | 0.46 x 1                                                                                                           | 0.46 x 1                                        |
|                                                  | *3 External static press.              |                        | 0 Pa (0 mmH₂O)                                                                                                     | 0 Pa (0 mmH₂O)                                  | 0 Pa (0 mmH₂O)                                                                                                     | 0 Pa (0 mmH₂O)                                  | 0 Pa (0 mmH₂O)                                                                                                     | 0 Pa (0 mmH₂O)                                  |
| Compressor                                       | Type x Quantity                        |                        | Inverter scroll hermetic compressor                                                                                |                                                 | Inverter scroll hermetic compressor                                                                                |                                                 | Inverter scroll hermetic compressor                                                                                |                                                 |
|                                                  | Starting method                        |                        | Inverter                                                                                                           | Inverter                                        | Inverter                                                                                                           | Inverter                                        | Inverter                                                                                                           | Inverter                                        |
|                                                  | Motor output                           | kW                     | 9.9                                                                                                                | 9.9                                             | 9.9                                                                                                                | 10.1                                            | 10.1                                                                                                               | 10.1                                            |
|                                                  | Case heater                            | kW                     | 0.045                                                                                                              | 0.045                                           | 0.045                                                                                                              | 0.045                                           | 0.045                                                                                                              | 0.045                                           |
| External finish                                  |                                        |                        | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                                 | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                                 | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                                 |
| External dimension HxWxD                         |                                        | mm                     | 1,710(1,650 without legs)<br>x 1,220 x 760                                                                         | 1,710(1,650 without legs)<br>x 1,220 x 760      | 1,710(1,650 without legs)<br>x 1,220 x 760                                                                         | 1,710(1,650 without legs)<br>x 1,220 x 760      | 1,710(1,650 without legs)<br>x 1,220 x 760                                                                         | 1,710(1,650 without legs)<br>x 1,220 x 760      |
|                                                  |                                        | in.                    | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16                                                                    | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16 | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16                                                                    | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16 | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16                                                                    | 67-3/8(65 without legs)<br>x 48-1/16 x 29-15/16 |
| 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)                                                    |                                                 | High pressure sensor, High pressure switch at 4.15MPa (601 psi)                                                    |                                                 |
|                                                  | Inverter circuit (COMP/FAN) Compressor |                        | Over-heat protection, Over-current protection<br>Over-heat protection                                              |                                                 | Over-heat protection, Over-current protection<br>Over-heat protection                                              |                                                 | Over-heat protection, Over-current protection<br>Over-heat protection                                              |                                                 |
|                                                  | Fan motor                              |                        | Thermal switch                                                                                                     |                                                 | Thermal switch                                                                                                     |                                                 | Thermal switch                                                                                                     |                                                 |
|                                                  | Type x original charge                 |                        | R410A x 11.5kg (26lbs)                                                                                             | R410A x 11.5kg (26lbs)                          | R410A x 11.5kg (26lbs)                                                                                             | R410A x 11.5kg (26lbs)                          | R410A x 11.5kg (26lbs)                                                                                             | R410A x 11.5kg (26lbs)                          |
| Net weight                                       |                                        | kg (lbs)               | 250(552)                                                                                                           |                                                 | 250(552)                                                                                                           |                                                 | 250(552)                                                                                                           |                                                 |
| Heat exchanger                                   |                                        |                        | Salt-resistant cross fin & copper tube                                                                             |                                                 | Salt-resistant cross fin & copper tube                                                                             |                                                 | Salt-resistant cross fin & copper tube                                                                             |                                                 |
| Pipe between unit and distributor                | Liquid pipe                            | mm (in.)               | 12.7(1/2) Brazed                                                                                                   |                                                 | 12.7(1/2) Brazed                                                                                                   |                                                 | 15.88(5/8) Brazed                                                                                                  |                                                 |
|                                                  | Gas pipe                               | mm (in.)               | 28.58(1-1/8) Brazed                                                                                                |                                                 | 28.58(1-1/8) Brazed                                                                                                |                                                 | 28.58(1-1/8) Brazed                                                                                                |                                                 |
| Optional parts                                   |                                        |                        | Outdoor Twinning kit: CMY-Y200VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                 | Outdoor Twinning kit: CMY-Y200VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                 | Outdoor Twinning kit: CMY-Y200VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                 |

OUTDOOR UNIT  
Y Series  
PUHY-P YSJM-A  
(-BS)

► Specifications



| Model                                               |                             |                                                                                                     | PUHY-P800YSJM-A(-BS)                                                                                               |                                                                                                     | PUHY-P850YSJM-A(-BS)                                                                                               |                                                                                                     | PUHY-P900YSJM-A(-BS)                                                                                               |                                                                                                     |                                                                                                                    |       |
|-----------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------|
| Power source                                        |                             |                                                                                                     | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                                                                                     | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                                                                                     | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                                                                                     |                                                                                                                    |       |
| Cooling capacity<br>(Nominal)                       | *1                          | kW                                                                                                  | 90.0                                                                                                               |                                                                                                     | 96.0                                                                                                               |                                                                                                     | 101.0                                                                                                              |                                                                                                     |                                                                                                                    |       |
|                                                     |                             | BTU / h                                                                                             | 307,100                                                                                                            |                                                                                                     | 327,600                                                                                                            |                                                                                                     | 344,600                                                                                                            |                                                                                                     |                                                                                                                    |       |
|                                                     | Power input                 | kW                                                                                                  | 27.10                                                                                                              |                                                                                                     | 29.62                                                                                                              |                                                                                                     | 32.06                                                                                                              |                                                                                                     |                                                                                                                    |       |
|                                                     |                             | Current input                                                                                       | A                                                                                                                  | 45.7-43.4-41.8                                                                                      |                                                                                                                    | 50.0-47.5-45.7                                                                                      |                                                                                                                    | 54.1-51.4-49.5                                                                                      |                                                                                                                    |       |
| Temp. range of<br>cooling                           | COP                         | kW / kW                                                                                             | 3.32                                                                                                               |                                                                                                     | 3.24                                                                                                               |                                                                                                     | 3.15                                                                                                               |                                                                                                     |                                                                                                                    |       |
|                                                     |                             | Indoor                                                                                              | W.B.                                                                                                               | 15.0~24.0°C(59~75°F)                                                                                |                                                                                                                    | 15.0~24.0°C(59~75°F)                                                                                |                                                                                                                    | 15.0~24.0°C(59~75°F)                                                                                |                                                                                                                    |       |
| Heating capacity<br>(Nominal)                       | *2                          | D.B.                                                                                                | -5.0~46.0°C(23~115°F)                                                                                              |                                                                                                     | -5.0~46.0°C(23~115°F)                                                                                              |                                                                                                     | -5.0~46.0°C(23~115°F)                                                                                              |                                                                                                     |                                                                                                                    |       |
|                                                     |                             | kW                                                                                                  | 100.0                                                                                                              |                                                                                                     | 108.0                                                                                                              |                                                                                                     | 113.0                                                                                                              |                                                                                                     |                                                                                                                    |       |
|                                                     | Power input                 | BTU / h                                                                                             | 341,200                                                                                                            |                                                                                                     | 368,500                                                                                                            |                                                                                                     | 385,600                                                                                                            |                                                                                                     |                                                                                                                    |       |
|                                                     |                             | Current input                                                                                       | A                                                                                                                  | 43.3-41.2-39.7                                                                                      |                                                                                                                    | 47.9-45.5-43.9                                                                                      |                                                                                                                    | 50.7-48.1-46.4                                                                                      |                                                                                                                    |       |
| Temp. range of<br>heating                           | COP                         | kW / kW                                                                                             | 3.89                                                                                                               |                                                                                                     | 3.80                                                                                                               |                                                                                                     | 3.76                                                                                                               |                                                                                                     |                                                                                                                    |       |
|                                                     |                             | Indoor                                                                                              | D.B.                                                                                                               | 15.0~27.0°C(59~81°F)                                                                                |                                                                                                                    | 15.0~27.0°C(59~81°F)                                                                                |                                                                                                                    | 15.0~27.0°C(59~81°F)                                                                                |                                                                                                                    |       |
| Indoor unit<br>connectable                          | Outdoor                     | W.B.                                                                                                | -20.0~15.5°C(-4~60°F)                                                                                              |                                                                                                     | -20.0~15.5°C(-4~60°F)                                                                                              |                                                                                                     | -20.0~15.5°C(-4~60°F)                                                                                              |                                                                                                     |                                                                                                                    |       |
|                                                     |                             | Total capacity                                                                                      | 50~130 % of outdoor unit capacity                                                                                  |                                                                                                     | 50~130 % of outdoor unit capacity                                                                                  |                                                                                                     | 50~130 % of outdoor unit capacity                                                                                  |                                                                                                     |                                                                                                                    |       |
| Model / Quantity                                    |                             | P15~P250 / 1~50                                                                                     |                                                                                                                    | P15~P250 / 1~50                                                                                     |                                                                                                                    | P15~P250 / 1~50                                                                                     |                                                                                                                    |                                                                                                     |                                                                                                                    |       |
| Sound pressure level<br>(measured in anechoic room) |                             | dB <A>                                                                                              | 64                                                                                                                 |                                                                                                     | 64.5                                                                                                               |                                                                                                     | 65                                                                                                                 |                                                                                                     |                                                                                                                    |       |
| Power pressure level<br>(measured in anechoic room) |                             | dB <A>                                                                                              | 84                                                                                                                 |                                                                                                     | 84.5                                                                                                               |                                                                                                     | 85                                                                                                                 |                                                                                                     |                                                                                                                    |       |
| Refrigerant piping<br>diameter                      | Liquid pipe                 | mm (in.)                                                                                            | 19.05(3/4) Brazed                                                                                                  |                                                                                                     | 19.05(3/4) Brazed                                                                                                  |                                                                                                     | 19.05(3/4) Brazed                                                                                                  |                                                                                                     |                                                                                                                    |       |
|                                                     | Gas pipe                    | mm (in.)                                                                                            | 34.93(1-3/8) Brazed                                                                                                |                                                                                                     | 41.28(1-5/8) Brazed                                                                                                |                                                                                                     | 41.28(1-5/8) Brazed                                                                                                |                                                                                                     |                                                                                                                    |       |
| Set Model                                           |                             |                                                                                                     |                                                                                                                    |                                                                                                     |                                                                                                                    |                                                                                                     |                                                                                                                    |                                                                                                     |                                                                                                                    |       |
| Model                                               |                             |                                                                                                     | PUHY-P350YJM-A(-BS)                                                                                                | PUHY-P450YJM-A(-BS)                                                                                 | PUHY-P400YJM-A(-BS)                                                                                                | PUHY-P450YJM-A(-BS)                                                                                 | PUHY-P450YJM-A(-BS)                                                                                                | PUHY-P450YJM-A(-BS)                                                                                 |                                                                                                                    |       |
| FAN                                                 | Type x Quantity             | Propeller fan x 1                                                                                   |                                                                                                                    | Propeller fan x 2                                                                                   |                                                                                                                    | Propeller fan x 1                                                                                   |                                                                                                                    | Propeller fan x 2                                                                                   |                                                                                                                    |       |
|                                                     | Air flow rate               | m³/min                                                                                              | 210                                                                                                                |                                                                                                     | 370                                                                                                                |                                                                                                     | 210                                                                                                                |                                                                                                     | 370                                                                                                                |       |
|                                                     |                             | L/s                                                                                                 | 3,500                                                                                                              |                                                                                                     | 6,167                                                                                                              |                                                                                                     | 3,500                                                                                                              |                                                                                                     | 6,167                                                                                                              |       |
|                                                     |                             | cfm                                                                                                 | 7,415                                                                                                              |                                                                                                     | 13,065                                                                                                             |                                                                                                     | 7,415                                                                                                              |                                                                                                     | 13,065                                                                                                             |       |
|                                                     | Driving mechanism           |                                                                                                     | Inverter-control, Direct-driven by motor                                                                           |                                                                                                     | Inverter-control, Direct-driven by motor                                                                           |                                                                                                     | Inverter-control, Direct-driven by motor                                                                           |                                                                                                     | Inverter-control, Direct-driven by motor                                                                           |       |
|                                                     | Motor output                | kW                                                                                                  | 0.46 x 1                                                                                                           |                                                                                                     | 0.46 x 2                                                                                                           |                                                                                                     | 0.46 x 1                                                                                                           |                                                                                                     | 0.46 x 2                                                                                                           |       |
|                                                     |                             | *3 External static press.                                                                           | 0 Pa (0 mmH₂O)                                                                                                     |                                                                                                     | 0 Pa (0 mmH₂O)                                                                                                     |                                                                                                     | 0 Pa (0 mmH₂O)                                                                                                     |                                                                                                     | 0 Pa (0 mmH₂O)                                                                                                     |       |
| Compressor                                          | Type x Quantity             | Inverter scroll hermetic compressor                                                                 |                                                                                                                    | Inverter scroll hermetic compressor                                                                 |                                                                                                                    | Inverter scroll hermetic compressor                                                                 |                                                                                                                    | Inverter scroll hermetic compressor                                                                 |                                                                                                                    |       |
|                                                     | Starting method             | Inverter                                                                                            |                                                                                                                    | Inverter                                                                                            |                                                                                                                    | Inverter                                                                                            |                                                                                                                    | Inverter                                                                                            |                                                                                                                    |       |
|                                                     | Motor output                | kW                                                                                                  | 9.9                                                                                                                |                                                                                                     | 10.1                                                                                                               |                                                                                                     | 11.6                                                                                                               |                                                                                                     | 11.6                                                                                                               |       |
|                                                     |                             | Case heater                                                                                         | kW                                                                                                                 | 0.045                                                                                               |                                                                                                                    | 0.045                                                                                               |                                                                                                                    | 0.045                                                                                               |                                                                                                                    | 0.045 |
| External finish                                     |                             | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                                                                                                                    | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                                                                                                                    | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                                                                                                                    | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                                                                                                                    |       |
| External dimension HxWxD                            |                             | mm                                                                                                  | 1,710(1,650 without legs) x 1,220 x 760                                                                            |                                                                                                     | 1,710(1,650 without legs) x 1,220 x 760                                                                            |                                                                                                     | 1,710(1,650 without legs) x 1,220 x 760                                                                            |                                                                                                     | 1,710(1,650 without legs) x 1,220 x 760                                                                            |       |
|                                                     |                             | in.                                                                                                 | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                                       |                                                                                                     | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                                       |                                                                                                     | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                                       |                                                                                                     | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                                       |       |
| Protection<br>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)                                                    |                                                                                                     | 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/FAN) | Over-heat protection, Over-current protection                                                       |                                                                                                                    | Over-heat protection, Over-current protection                                                       |                                                                                                                    | Over-heat protection, Over-current protection                                                       |                                                                                                                    | Over-heat protection, Over-current protection                                                       |                                                                                                                    |       |
|                                                     |                             | Compressor                                                                                          |                                                                                                                    | Over-heat protection                                                                                |                                                                                                                    | Over-heat protection                                                                                |                                                                                                                    | Over-heat protection                                                                                |                                                                                                                    |       |
|                                                     |                             | Fan motor                                                                                           |                                                                                                                    | Thermal switch                                                                                      |                                                                                                                    | Thermal switch                                                                                      |                                                                                                                    | Thermal switch                                                                                      |                                                                                                                    |       |
| Type x original charge                              |                             | R410A x 11.5kg (26lbs)                                                                              |                                                                                                                    | R410A x 11.8kg (27lbs)                                                                              |                                                                                                                    | R410A x 11.5kg (26lbs)                                                                              |                                                                                                                    | R410A x 11.8kg (27lbs)                                                                              |                                                                                                                    |       |
| Net weight                                          |                             | kg (lbs)                                                                                            | 250(552)                                                                                                           |                                                                                                     | 290(640)                                                                                                           |                                                                                                     | 250(552)                                                                                                           |                                                                                                     | 290(640)                                                                                                           |       |
| Heat exchanger                                      |                             |                                                                                                     | Salt-resistant cross fin & copper tube                                                                             |                                                                                                     | Salt-resistant cross fin & copper tube                                                                             |                                                                                                     | Salt-resistant cross fin & copper tube                                                                             |                                                                                                     | Salt-resistant cross fin & copper tube                                                                             |       |
| Pipe between unit<br>and distributor                | Liquid pipe                 | mm (in.)                                                                                            | 12.7(1/2) Brazed                                                                                                   |                                                                                                     | 15.88(5/8) Brazed                                                                                                  |                                                                                                     | 15.88(5/8) Brazed                                                                                                  |                                                                                                     | 15.88(5/8) Brazed                                                                                                  |       |
|                                                     | Gas pipe                    | mm (in.)                                                                                            | 28.58(1-1/8) Brazed                                                                                                |                                                                                                     | 28.58(1-1/8) Brazed                                                                                                |                                                                                                     | 28.58(1-1/8) Brazed                                                                                                |                                                                                                     | 28.58(1-1/8) Brazed                                                                                                |       |
| Optional parts                                      |                             |                                                                                                     | Outdoor Twinning kit: CMY-Y200VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                                                                     | Outdoor Twinning kit: CMY-Y200VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                                                                     | Outdoor Twinning kit: CMY-Y200VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                                                                                     | Outdoor Twinning kit: CMY-Y200VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |       |

OUTDOOR UNIT  
Y Series  
PUHY-P YSJM-A(-BS)

► Specifications



| Model                                               |                             |                           | PUHY-P950YSJM-A(-BS)                                                                                               |                     |                                             | PUHY-P1000YSJM-A(-BS)                                                                                              |                                             |                     | PUHY-P1050YSJM-A(-BS)                                                                                              |                     |                                             |     |
|-----------------------------------------------------|-----------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------|-----|
| Power source                                        |                             |                           | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                     |                                             | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                             |                     | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                     |                                             |     |
| Cooling capacity<br>(Nominal)                       | *1                          | kW                        | 108.0                                                                                                              |                     |                                             | 113.0                                                                                                              |                                             |                     | 118.0                                                                                                              |                     |                                             |     |
|                                                     |                             | *1 BTU / h                | 368,500                                                                                                            |                     |                                             | 385,600                                                                                                            |                                             |                     | 402,600                                                                                                            |                     |                                             |     |
|                                                     | Power input                 | kW                        | 30.50                                                                                                              |                     |                                             | 32.10                                                                                                              |                                             |                     | 33.81                                                                                                              |                     |                                             |     |
|                                                     |                             | Current input             | A                                                                                                                  | 51.4-48.9-47.1      |                                             |                                                                                                                    | 54.1-51.4-49.6                              |                     |                                                                                                                    | 57.0-54.2-52.2      |                                             |     |
|                                                     |                             | COP                       | kW / kW                                                                                                            | 3.54                |                                             |                                                                                                                    | 3.52                                        |                     |                                                                                                                    | 3.49                |                                             |     |
| Temp. range of<br>cooling                           | Indoor                      | W.B.                      | 15.0~24.0°C(59~75°F)                                                                                               |                     |                                             | 15.0~24.0°C(59~75°F)                                                                                               |                                             |                     | 15.0~24.0°C(59~75°F)                                                                                               |                     |                                             |     |
|                                                     | Outdoor                     | D.B.                      | -5.0~46.0°C(23~115°F)                                                                                              |                     |                                             | -5.0~46.0°C(23~115°F)                                                                                              |                                             |                     | -5.0~46.0°C(23~115°F)                                                                                              |                     |                                             |     |
| Heating capacity<br>(Nominal)                       | *2                          | kW                        | 119.5                                                                                                              |                     |                                             | 127.0                                                                                                              |                                             |                     | 132.0                                                                                                              |                     |                                             |     |
|                                                     |                             | *2 BTU / h                | 407,700                                                                                                            |                     |                                             | 433,300                                                                                                            |                                             |                     | 450,400                                                                                                            |                     |                                             |     |
|                                                     | Power input                 | kW                        | 30.02                                                                                                              |                     |                                             | 33.15                                                                                                              |                                             |                     | 34.10                                                                                                              |                     |                                             |     |
|                                                     |                             | Current input             | A                                                                                                                  | 50.6-48.1-46.4      |                                             |                                                                                                                    | 55.9-53.1-51.2                              |                     |                                                                                                                    | 57.5-54.6-52.7      |                                             |     |
|                                                     |                             | COP                       | kW / kW                                                                                                            | 3.98                |                                             |                                                                                                                    | 3.83                                        |                     |                                                                                                                    | 3.87                |                                             |     |
| Temp. range of<br>heating                           | Indoor                      | D.B.                      | 15.0~27.0°C(59~81°F)                                                                                               |                     |                                             | 15.0~27.0°C(59~81°F)                                                                                               |                                             |                     | 15.0~27.0°C(59~81°F)                                                                                               |                     |                                             |     |
|                                                     | Outdoor                     | W.B.                      | -20.0~15.5°C(-4~60°F)                                                                                              |                     |                                             | -20.0~15.5°C(-4~60°F)                                                                                              |                                             |                     | -20.0~15.5°C(-4~60°F)                                                                                              |                     |                                             |     |
| Indoor unit<br>connectable                          | Total capacity              |                           | 50~130 % of outdoor unit capacity                                                                                  |                     |                                             | 50~130 % of outdoor unit capacity                                                                                  |                                             |                     | 50~130 % of outdoor unit capacity                                                                                  |                     |                                             |     |
|                                                     | Model / Quantity            |                           | P15~P250 / 1~50                                                                                                    |                     |                                             | P15~P250 / 2~50                                                                                                    |                                             |                     | P15~P250 / 2~50                                                                                                    |                     |                                             |     |
| Sound pressure level<br>(measured in anechoic room) |                             | dB <A>                    | 64.5                                                                                                               |                     |                                             | 64.5                                                                                                               |                                             |                     | 65                                                                                                                 |                     |                                             |     |
| Power pressure level<br>(measured in anechoic room) |                             | dB <A>                    | 84.5                                                                                                               |                     |                                             | 84.5                                                                                                               |                                             |                     | 85                                                                                                                 |                     |                                             |     |
| Refrigerant piping<br>diameter                      | Liquid pipe                 | mm (in.)                  | 19.05(3/4) Brazed                                                                                                  |                     |                                             | 19.05(3/4) Brazed                                                                                                  |                                             |                     | 19.05(3/4) Brazed                                                                                                  |                     |                                             |     |
|                                                     | Gas pipe                    | mm (in.)                  | 41.28(1-5/8) Brazed                                                                                                |                     |                                             | 41.28(1-5/8) Brazed                                                                                                |                                             |                     | 41.28(1-5/8) Brazed                                                                                                |                     |                                             |     |
| Set Model                                           |                             |                           |                                                                                                                    |                     |                                             |                                                                                                                    |                                             |                     |                                                                                                                    |                     |                                             |     |
| Model                                               |                             |                           | PUHY-P250YJM-A(-BS)                                                                                                | PUHY-P300YJM-A(-BS) | PUHY-P400YJM-A(-BS)                         | PUHY-P300YJM-A(-BS)                                                                                                | PUHY-P300YJM-A(-BS)                         | PUHY-P400YJM-A(-BS) | PUHY-P300YJM-A(-BS)                                                                                                | PUHY-P350YJM-A(-BS) | PUHY-P400YJM-A(-BS)                         |     |
| FAN                                                 | Type x Quantity             |                           | Propeller fan x 1                                                                                                  |                     | Propeller fan x 1                           |                                                                                                                    | Propeller fan x 1                           |                     | Propeller fan x 1                                                                                                  |                     | Propeller fan x 1                           |     |
|                                                     | Air flow rate               | m³/min                    | 170                                                                                                                |                     | 170                                         |                                                                                                                    | 210                                         |                     | 170                                                                                                                |                     | 210                                         |     |
|                                                     |                             | L/s                       | 2,833                                                                                                              |                     | 2,833                                       |                                                                                                                    | 3,500                                       |                     | 2,833                                                                                                              |                     | 3,500                                       |     |
|                                                     |                             | cfm                       | 6,003                                                                                                              |                     | 6,003                                       |                                                                                                                    | 7,415                                       |                     | 6,003                                                                                                              |                     | 7,415                                       |     |
|                                                     | Driving mechanism           |                           | Inverter-control, Direct-driven by motor                                                                           |                     |                                             | Inverter-control, Direct-driven by motor                                                                           |                                             |                     | Inverter-control, Direct-driven by motor                                                                           |                     |                                             |     |
|                                                     | Motor output                | kW                        | 0.46 x 1                                                                                                           |                     | 0.46 x 1                                    |                                                                                                                    | 0.46 x 1                                    |                     | 0.46 x 1                                                                                                           |                     | 0.46 x 1                                    |     |
|                                                     |                             | *3 External static press. | 0 Pa<br>(0 mmH₂O)                                                                                                  |                     | 0 Pa<br>(0 mmH₂O)                           |                                                                                                                    | 0 Pa<br>(0 mmH₂O)                           |                     | 0 Pa<br>(0 mmH₂O)                                                                                                  |                     | 0 Pa<br>(0 mmH₂O)                           |     |
|                                                     | Type x Quantity             |                           | Inverter scroll hermetic compressor                                                                                |                     |                                             | Inverter scroll hermetic compressor                                                                                |                                             |                     | Inverter scroll hermetic compressor                                                                                |                     |                                             |     |
|                                                     | Starting method             |                           | Inverter                                                                                                           |                     | Inverter                                    |                                                                                                                    | Inverter                                    |                     | Inverter                                                                                                           |                     | Inverter                                    |     |
|                                                     | Compressor                  | Motor output              | kW                                                                                                                 | 6.8                 |                                             | 7.7                                                                                                                |                                             | 10.1                |                                                                                                                    | 7.7                 |                                             | 9.9 |
| Case heater                                         |                             | kW                        | 0.035                                                                                                              |                     | 0.045                                       |                                                                                                                    | 0.045                                       |                     | 0.045                                                                                                              |                     | 0.045                                       |     |
| External finish                                     |                             |                           | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                     |                                             | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                             |                     | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                     |                                             |     |
| External dimension HxWxD                            |                             | mm                        | 1,710(1,650 without legs) x 920 x 760                                                                              |                     | 1,710(1,650 without legs) x 920 x 760       |                                                                                                                    | 1,710(1,650 without legs) x 920 x 760       |                     | 1,710(1,650 without legs) x 920 x 760                                                                              |                     | 1,710(1,650 without legs) x 920 x 760       |     |
|                                                     |                             | in.                       | 67-3/8(65 without legs) x 36-1/4 x 29-15/16                                                                        |                     | 67-3/8(65 without legs) x 36-1/4 x 29-15/16 |                                                                                                                    | 67-3/8(65 without legs) x 36-1/4 x 29-15/16 |                     | 67-3/8(65 without legs) x 36-1/4 x 29-15/16                                                                        |                     | 67-3/8(65 without legs) x 36-1/4 x 29-15/16 |     |
| 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)                                                    |                                             |                     | High pressure sensor, High pressure switch at 4.15MPa (601 psi)                                                    |                     |                                             |     |
|                                                     | Inverter circuit (COMP/FAN) |                           | Over-heat protection, Over-current protection                                                                      |                     |                                             | Over-heat protection, Over-current protection                                                                      |                                             |                     | Over-heat protection, Over-current protection                                                                      |                     |                                             |     |
|                                                     | Compressor                  |                           | Over-heat protection                                                                                               |                     |                                             | Over-heat protection                                                                                               |                                             |                     | Over-heat protection                                                                                               |                     |                                             |     |
|                                                     | Fan motor                   |                           | Thermal switch                                                                                                     |                     |                                             | Thermal switch                                                                                                     |                                             |                     | Thermal switch                                                                                                     |                     |                                             |     |
| Refrigerant                                         |                             |                           | Type x original charge                                                                                             |                     | R410A x 8.0kg (18lbs)                       |                                                                                                                    | R410A x 8.0kg (18lbs)                       |                     | R410A x 11.5kg (26lbs)                                                                                             |                     | R410A x 11.5kg (26lbs)                      |     |
| Net weight                                          |                             |                           | kg (lbs)                                                                                                           |                     | 200(441)                                    |                                                                                                                    | 215(474)                                    |                     | 250(552)                                                                                                           |                     | 250(552)                                    |     |
| Heat exchanger                                      |                             |                           | Salt-resistant cross fin & copper tube                                                                             |                     |                                             | Salt-resistant cross fin & copper tube                                                                             |                                             |                     | Salt-resistant cross fin & copper tube                                                                             |                     |                                             |     |
| Pipe between unit<br>and distributor                | Liquid pipe                 | mm (in.)                  | 9.52(3/8) Brazed                                                                                                   |                     | 12.7(1/2) Brazed                            |                                                                                                                    | 15.88(5/8) Brazed                           |                     | 12.7(1/2) Brazed                                                                                                   |                     | 15.88(5/8) Brazed                           |     |
|                                                     | Gas pipe                    | mm (in.)                  | 22.2(7/8) Brazed                                                                                                   |                     | 22.2(7/8) Brazed                            |                                                                                                                    | 28.58(1-1/8) Brazed                         |                     | 22.2(7/8) Brazed                                                                                                   |                     | 28.58(1-1/8) Brazed                         |     |
| Optional parts                                      |                             |                           | Outdoor Twinning kit: CMY-Y300VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                     |                                             | Outdoor Twinning kit: CMY-Y300VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                             |                     | Outdoor Twinning kit: CMY-Y300VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                     |                                             |     |

OUTDOOR UNIT  
Y Series  
PUHY-P YSJM-A  
(-BS)

► Specifications



| Model                                               |                             |                                              | PUHY-P1100YSJM-A(-BS)                                                                                              |                                              |                                              | PUHY-P1150YSJM-A(-BS)                                                                                              |                                              |                                              | PUHY-P1200YSJM-A(-BS)                                                                                              |                                              |                             |  |
|-----------------------------------------------------|-----------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------|--|
| Power source                                        |                             |                                              | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                              |                                              | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                              |                                              | 3-phase 4-wire 380-400-415V 50/60Hz                                                                                |                                              |                             |  |
| Cooling capacity<br>(Nominal)                       | *1                          | kW                                           | 124.0                                                                                                              |                                              |                                              | 130.0                                                                                                              |                                              |                                              | 136.0                                                                                                              |                                              |                             |  |
|                                                     | *1                          | BTU / h                                      | 423,100                                                                                                            |                                              |                                              | 443,600                                                                                                            |                                              |                                              | 464,000                                                                                                            |                                              |                             |  |
|                                                     |                             | Power input kW                               | 35.73                                                                                                              |                                              |                                              | 38.34                                                                                                              |                                              |                                              | 40.84                                                                                                              |                                              |                             |  |
|                                                     |                             | Current input A                              | 60.3-57.3-55.2                                                                                                     |                                              |                                              | 64.7-61.4-59.2                                                                                                     |                                              |                                              | 68.9-65.4-63.1                                                                                                     |                                              |                             |  |
| COP                                                 |                             | kW / kW                                      | 3.47                                                                                                               |                                              |                                              | 3.39                                                                                                               |                                              |                                              | 3.33                                                                                                               |                                              |                             |  |
|                                                     |                             |                                              |                                                                                                                    |                                              |                                              |                                                                                                                    |                                              |                                              |                                                                                                                    |                                              |                             |  |
| Temp. range of cooling                              | Indoor                      | W.B.                                         | 15.0~24.0°C(59~75°F)                                                                                               |                                              |                                              | 15.0~24.0°C(59~75°F)                                                                                               |                                              |                                              | 15.0~24.0°C(59~75°F)                                                                                               |                                              |                             |  |
|                                                     | Outdoor                     | D.B.                                         | -5.0~46.0°C(23~115°F)                                                                                              |                                              |                                              | -5.0~46.0°C(23~115°F)                                                                                              |                                              |                                              | -5.0~46.0°C(23~115°F)                                                                                              |                                              |                             |  |
| Heating capacity<br>(Nominal)                       | *2                          | kW                                           | 140.0                                                                                                              |                                              |                                              | 145.0                                                                                                              |                                              |                                              | 150.0                                                                                                              |                                              |                             |  |
|                                                     | *2                          | BTU / h                                      | 477,700                                                                                                            |                                              |                                              | 494,700                                                                                                            |                                              |                                              | 511,800                                                                                                            |                                              |                             |  |
|                                                     |                             | Power input kW                               | 36.08                                                                                                              |                                              |                                              | 37.27                                                                                                              |                                              |                                              | 39.26                                                                                                              |                                              |                             |  |
|                                                     |                             | Current input A                              | 60.9-57.8-55.7                                                                                                     |                                              |                                              | 62.9-59.7-57.6                                                                                                     |                                              |                                              | 66.2-62.9-60.6                                                                                                     |                                              |                             |  |
| COP                                                 |                             | kW / kW                                      | 3.88                                                                                                               |                                              |                                              | 3.89                                                                                                               |                                              |                                              | 3.82                                                                                                               |                                              |                             |  |
|                                                     |                             |                                              |                                                                                                                    |                                              |                                              |                                                                                                                    |                                              |                                              |                                                                                                                    |                                              |                             |  |
| Temp. range of heating                              | Indoor                      | D.B.                                         | 15.0~27.0°C(59~81°F)                                                                                               |                                              |                                              | 15.0~27.0°C(59~81°F)                                                                                               |                                              |                                              | 15.0~27.0°C(59~81°F)                                                                                               |                                              |                             |  |
|                                                     | Outdoor                     | W.B.                                         | -20.0~15.5°C(-4~60°F)                                                                                              |                                              |                                              | -20.0~15.5°C(-4~60°F)                                                                                              |                                              |                                              | -20.0~15.5°C(-4~60°F)                                                                                              |                                              |                             |  |
| Indoor unit connectable                             | Total capacity              |                                              | 50~130 % of outdoor unit capacity                                                                                  |                                              |                                              | 50~130 % of outdoor unit capacity                                                                                  |                                              |                                              | 50~130 % of outdoor unit capacity                                                                                  |                                              |                             |  |
|                                                     | Model / Quantity            |                                              | P15~P250 / 2~50                                                                                                    |                                              |                                              | P15~P250 / 2~50                                                                                                    |                                              |                                              | P15~P250 / 2~50                                                                                                    |                                              |                             |  |
| Sound pressure level<br>(measured in anechoic room) |                             | dB <A>                                       | 65                                                                                                                 |                                              |                                              | 65.5                                                                                                               |                                              |                                              | 66                                                                                                                 |                                              |                             |  |
| Power pressure level<br>(measured in anechoic room) |                             | dB <A>                                       | 85                                                                                                                 |                                              |                                              | 85.5                                                                                                               |                                              |                                              | 86                                                                                                                 |                                              |                             |  |
| Refrigerant piping diameter                         | Liquid pipe                 | mm (in.)                                     | 19.05(3/4) Brazed                                                                                                  |                                              |                                              | 19.05(3/4) Brazed                                                                                                  |                                              |                                              | 19.05(3/4) Brazed                                                                                                  |                                              |                             |  |
|                                                     | Gas pipe                    | mm (in.)                                     | 41.28(1-5/8) Brazed                                                                                                |                                              |                                              | 41.28(1-5/8) Brazed                                                                                                |                                              |                                              | 41.28(1-5/8) Brazed                                                                                                |                                              |                             |  |
| Set Model                                           |                             |                                              |                                                                                                                    |                                              |                                              |                                                                                                                    |                                              |                                              |                                                                                                                    |                                              |                             |  |
| Model                                               |                             |                                              | PUHY-P350YJM-A(-BS)                                                                                                | PUHY-P350YJM-A(-BS)                          | PUHY-P400YJM-A(-BS)                          | PUHY-P350YJM-A(-BS)                                                                                                | PUHY-P350YJM-A(-BS)                          | PUHY-P450YJM-A(-BS)                          | PUHY-P350YJM-A(-BS)                                                                                                | PUHY-P400YJM-A(-BS)                          | PUHY-P450YJM-A(-BS)         |  |
| FAN                                                 | Type x Quantity             |                                              | Propeller fan x 1                                                                                                  | Propeller fan x 1                            | Propeller fan x 1                            | Propeller fan x 1                                                                                                  | Propeller fan x 1                            | Propeller fan x 2                            | Propeller fan x 1                                                                                                  | Propeller fan x 1                            | Propeller fan x 2           |  |
|                                                     | Air flow rate               | m³/min                                       | 210                                                                                                                | 210                                          | 210                                          | 210                                                                                                                | 210                                          | 370                                          | 210                                                                                                                | 210                                          | 370                         |  |
|                                                     |                             | L/s                                          | 3,500                                                                                                              | 3,500                                        | 3,500                                        | 3,500                                                                                                              | 3,500                                        | 6,167                                        | 3,500                                                                                                              | 3,500                                        | 6,167                       |  |
|                                                     |                             | cfm                                          | 7,415                                                                                                              | 7,415                                        | 7,415                                        | 7,415                                                                                                              | 7,415                                        | 13,065                                       | 7,415                                                                                                              | 7,415                                        | 13,065                      |  |
|                                                     | Driving mechanism           |                                              | Inverter-control, Direct-driven by motor                                                                           |                                              |                                              | Inverter-control, Direct-driven by motor                                                                           |                                              |                                              | Inverter-control, Direct-driven by motor                                                                           |                                              |                             |  |
|                                                     | Motor output                | kW                                           | 0.46 x 1                                                                                                           | 0.46 x 1                                     | 0.46 x 1                                     | 0.46 x 1                                                                                                           | 0.46 x 1                                     | 0.46 x 2                                     | 0.46 x 1                                                                                                           | 0.46 x 1                                     | 0.46 x 2                    |  |
|                                                     |                             | *3 External static press.                    | 0 Pa (0 mmH <sub>2</sub> O)                                                                                        | 0 Pa (0 mmH <sub>2</sub> O)                  | 0 Pa (0 mmH <sub>2</sub> O)                  | 0 Pa (0 mmH <sub>2</sub> O)                                                                                        | 0 Pa (0 mmH <sub>2</sub> O)                  | 0 Pa (0 mmH <sub>2</sub> O)                  | 0 Pa (0 mmH <sub>2</sub> O)                                                                                        | 0 Pa (0 mmH <sub>2</sub> O)                  | 0 Pa (0 mmH <sub>2</sub> O) |  |
|                                                     |                             |                                              |                                                                                                                    |                                              |                                              |                                                                                                                    |                                              |                                              |                                                                                                                    |                                              |                             |  |
|                                                     | Compressor                  | Type x Quantity                              |                                                                                                                    | Inverter scroll hermetic compressor          |                                              |                                                                                                                    | Inverter scroll hermetic compressor          |                                              |                                                                                                                    | Inverter scroll hermetic compressor          |                             |  |
|                                                     |                             | Starting method                              |                                                                                                                    | Inverter                                     |                                              |                                                                                                                    | Inverter                                     |                                              |                                                                                                                    | Inverter                                     |                             |  |
| Motor output                                        |                             | kW                                           | 9.9                                                                                                                | 9.9                                          | 10.1                                         | 9.9                                                                                                                | 9.9                                          | 11.6                                         | 9.9                                                                                                                | 10.1                                         | 11.6                        |  |
| Case heater                                         |                             | kW                                           | 0.045                                                                                                              | 0.045                                        | 0.045                                        | 0.045                                                                                                              | 0.045                                        | 0.045                                        | 0.045                                                                                                              | 0.045                                        | 0.045                       |  |
| External finish                                     |                             |                                              | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                              |                                              | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                              |                                              | Pre-coated galvanized steel sheets<br>(+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                              |                             |  |
| External dimension HxWxD                            | mm                          | 1,710(1,650 without legs) x 1,220 x 760      | 1,710(1,650 without legs) x 1,220 x 760                                                                            | 1,710(1,650 without legs) x 1,220 x 760      | 1,710(1,650 without legs) x 1,220 x 760      | 1,710(1,650 without legs) x 1,220 x 760                                                                            | 1,710(1,650 without legs) x 1,750 x 760      | 1,710(1,650 without legs) x 1,220 x 760      | 1,710(1,650 without legs) x 1,220 x 760                                                                            | 1,710(1,650 without legs) x 1,750 x 760      |                             |  |
|                                                     | in.                         | 67-3/8(65 without legs) x 48-1/16 x 29-15/16 | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                                       | 67-3/8(65 without legs) x 48-1/16 x 29-15/16 | 67-3/8(65 without legs) x 48-1/16 x 29-15/16 | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                                       | 67-3/8(65 without legs) x 68-1/16 x 29-15/16 | 67-3/8(65 without legs) x 48-1/16 x 29-15/16 | 67-3/8(65 without legs) x 48-1/16 x 29-15/16                                                                       | 67-3/8(65 without legs) x 68-1/16 x 29-15/16 |                             |  |
| 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)                                                    |                                              |                                              | High pressure sensor, High pressure switch at 4.15MPa (601 psi)                                                    |                                              |                             |  |
|                                                     | Inverter circuit (COMP/FAN) |                                              | Over-heat protection, Over-current protection                                                                      |                                              |                                              | Over-heat protection, Over-current protection                                                                      |                                              |                                              | Over-heat protection, Over-current protection                                                                      |                                              |                             |  |
|                                                     | Compressor                  |                                              | Over-heat protection                                                                                               |                                              |                                              | Over-heat protection                                                                                               |                                              |                                              | Over-heat protection                                                                                               |                                              |                             |  |
|                                                     | Fan motor                   |                                              | Thermal switch                                                                                                     |                                              |                                              | Thermal switch                                                                                                     |                                              |                                              | Thermal switch                                                                                                     |                                              |                             |  |
| Refrigerant                                         |                             |                                              | Thermal switch                                                                                                     | Thermal switch                               | Thermal switch                               | Thermal switch                                                                                                     | Thermal switch                               | Thermal switch                               | Thermal switch                                                                                                     | Thermal switch                               | Thermal switch              |  |
| Type x original charge                              |                             |                                              | R410A x 11.5kg (26lbs)                                                                                             | R410A x 11.5kg (26lbs)                       | R410A x 11.5kg (26lbs)                       | R410A x 11.5kg (26bs)                                                                                              | R410A x 11.5kg (26bs)                        | R410A x 11.8kg (27lbs)                       | R410A x 11.5kg (26bs)                                                                                              | R410A x 11.5kg (26bs)                        | R410A x 11.8kg (27lbs)      |  |
| Net weight                                          |                             |                                              | kg (lbs)                                                                                                           | 250(552)                                     | 250(552)                                     | 250(552)                                                                                                           | 250(552)                                     | 290(640)                                     | 250(552)                                                                                                           | 250(552)                                     | 290(640)                    |  |
| Heat exchanger                                      |                             |                                              | Salt-resistant cross fin & copper tube                                                                             |                                              |                                              | Salt-resistant cross fin & copper tube                                                                             |                                              |                                              | Salt-resistant cross fin & copper tube                                                                             |                                              |                             |  |
| Pipe between unit and distributor                   | Liquid pipe                 | mm (in.)                                     | 12.7(1/2) Brazed                                                                                                   | 12.7(1/2) Brazed                             | 15.88(5/8) Brazed                            | 12.7(1/2) Brazed                                                                                                   | 12.7(1/2) Brazed                             | 15.88(5/8) Brazed                            | 12.7(1/2) Brazed                                                                                                   | 15.88(5/8) Brazed                            | 15.88(5/8) Brazed           |  |
|                                                     | Gas pipe                    | mm (in.)                                     | 28.58(1-1/8) Brazed                                                                                                | 28.58(1-1/8) Brazed                          | 28.58(1-1/8) Brazed                          | 28.58(1-1/8) Brazed                                                                                                | 28.58(1-1/8) Brazed                          | 28.58(1-1/8) Brazed                          | 28.58(1-1/8) Brazed                                                                                                | 28.58(1-1/8) Brazed                          | 28.58(1-1/8) Brazed         |  |
| Optional parts                                      |                             |                                              | Outdoor Twinning kit: CMY-Y300VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                              |                                              | Outdoor Twinning kit: CMY-Y300VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                              |                                              | Outdoor Twinning kit: CMY-Y300VBK2<br>Joint: CMY-Y102SS/LS-G2,<br>CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                              |                             |  |

Notes:

\*1,\*2 Nominal conditions

|         | Indoor                            | Outdoor                        | Pipe length       | Level difference |
|---------|-----------------------------------|--------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB(95°F DB)               | 7.5m (24-9/16ft.) | 0m (0ft.)        |
| Heating | 20°C DB(68°F DB)                  | 7°C DB/6°C WB(45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.)        |

\*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

\*Nominal condition \*1,\*2 are subject to JIS B8615-1.

\*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT  
Y Series  
PUHY-P YSJM-A(-BS)

► Specifications



| Model                                               |                             |                        | PUHY-P1250YSJM-A(-BS)                                                                                           |                                              |                        |                                               |                        |                                               |  |
|-----------------------------------------------------|-----------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------|-----------------------------------------------|------------------------|-----------------------------------------------|--|
| Power source                                        |                             |                        | 3-phase 4-wire 380-400-415V 50/60Hz                                                                             |                                              |                        |                                               |                        |                                               |  |
| Cooling capacity<br>(Nominal)                       | *1                          | kW                     | 140.0                                                                                                           |                                              |                        |                                               |                        |                                               |  |
|                                                     | *1                          | BTU / h                | 477,700                                                                                                         |                                              |                        |                                               |                        |                                               |  |
|                                                     | Power input                 | kW                     | 42.94                                                                                                           |                                              |                        |                                               |                        |                                               |  |
|                                                     | Current input               | A                      | 72.4-68.8-66.3                                                                                                  |                                              |                        |                                               |                        |                                               |  |
|                                                     | COP                         | kW / kW                | 3.26                                                                                                            |                                              |                        |                                               |                        |                                               |  |
| Temp. range of cooling                              | Indoor                      | W.B.                   | 15.0~24.0°C(59~75°F)                                                                                            |                                              |                        |                                               |                        |                                               |  |
|                                                     | Outdoor                     | D.B.                   | -5.0~46.0°C(23~115°F)                                                                                           |                                              |                        |                                               |                        |                                               |  |
| Heating capacity<br>(Nominal)                       | *2                          | kW                     | 156.5                                                                                                           |                                              |                        |                                               |                        |                                               |  |
|                                                     | *2                          | BTU / h                | 534,000                                                                                                         |                                              |                        |                                               |                        |                                               |  |
|                                                     | Power input                 | kW                     | 40.86                                                                                                           |                                              |                        |                                               |                        |                                               |  |
|                                                     | Current input               | A                      | 68.9-65.5-63.1                                                                                                  |                                              |                        |                                               |                        |                                               |  |
|                                                     | COP                         | kW / kW                | 3.83                                                                                                            |                                              |                        |                                               |                        |                                               |  |
| Temp. range of heating                              | Indoor                      | D.B.                   | 15.0~27.0°C(59~81°F)                                                                                            |                                              |                        |                                               |                        |                                               |  |
|                                                     | Outdoor                     | W.B.                   | -20.0~15.5°C(-4~60°F)                                                                                           |                                              |                        |                                               |                        |                                               |  |
| Indoor unit connectable                             | Total capacity              |                        | 50~130 % of outdoor unit capacity                                                                               |                                              |                        |                                               |                        |                                               |  |
|                                                     | Model / Quantity            |                        | P15~P250 / 2~50                                                                                                 |                                              |                        |                                               |                        |                                               |  |
| Sound pressure level<br>(measured in anechoic room) |                             | dB <A>                 | 66                                                                                                              |                                              |                        |                                               |                        |                                               |  |
| Power pressure level<br>(measured in anechoic room) |                             | dB <A>                 | 86                                                                                                              |                                              |                        |                                               |                        |                                               |  |
| Refrigerant piping diameter                         | Liquid pipe                 | mm (in.)               | 19.05(3/4) Brazed                                                                                               |                                              |                        |                                               |                        |                                               |  |
|                                                     | Gas pipe                    | mm (in.)               | 41.28(1-5/8) Brazed                                                                                             |                                              |                        |                                               |                        |                                               |  |
| Set Model                                           |                             |                        |                                                                                                                 |                                              |                        |                                               |                        |                                               |  |
| Model                                               |                             |                        | PUHY-P350YJM-A(-BS)                                                                                             |                                              | PUHY-P450YJM-A(-BS)    |                                               | PUHY-P450YJM-A(-BS)    |                                               |  |
| FAN                                                 | Type x Quantity             |                        | Propeller fan x 1                                                                                               |                                              | Propeller fan x 2      |                                               | Propeller fan x 2      |                                               |  |
|                                                     | Air flow rate               | m³/min                 | 210                                                                                                             |                                              | 370                    |                                               | 370                    |                                               |  |
|                                                     |                             |                        | L/s                                                                                                             |                                              | 3,500                  |                                               | 6,167                  |                                               |  |
|                                                     |                             |                        | cfm                                                                                                             |                                              | 7,415                  |                                               | 13,065                 |                                               |  |
|                                                     | Driving mechanism           |                        | Inverter-control, Direct-driven by motor                                                                        |                                              |                        |                                               |                        |                                               |  |
|                                                     | *3                          | Motor output           | kW                                                                                                              | 0.46 x 1                                     |                        | 0.46 x 2                                      |                        | 0.46 x 2                                      |  |
|                                                     |                             | External static press. |                                                                                                                 | 0 Pa (0 mmH₂O)                               |                        | 0 Pa (0 mmH₂O)                                |                        | 0 Pa (0 mmH₂O)                                |  |
|                                                     |                             | Type x Quantity        |                                                                                                                 | Inverter scroll hermetic compressor          |                        |                                               |                        |                                               |  |
| Compressor                                          | Starting method             |                        | Inverter                                                                                                        |                                              | Inverter               |                                               | Inverter               |                                               |  |
|                                                     | Motor output                | kW                     | 9.9                                                                                                             |                                              | 11.6                   |                                               | 11.6                   |                                               |  |
|                                                     | Case heater                 | kW                     | 0.045                                                                                                           |                                              | 0.045                  |                                               | 0.045                  |                                               |  |
| External finish                                     |                             |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                |                                              |                        |                                               |                        |                                               |  |
| External dimension HxWxD                            |                             |                        | mm                                                                                                              | 1,710(1,650 without legs) x 1,220 x 760      |                        | 1,710(1,650 without legs) x 1,750 x 760       |                        | 1,710(1,650 without legs) x 1,750 x 760       |  |
|                                                     |                             |                        | in.                                                                                                             | 67-3/8(65 without legs) x 48-1/16 x 29-15/16 |                        | 67-3/8(65 without legs) x 68-15/16 x 29-15/16 |                        | 67-3/8(65 without legs) x 68-15/16 x 29-15/16 |  |
| Protection devices                                  | High pressure protection    |                        | High pressure sensor, High pressure switch at 4.15MPa (601 psi)                                                 |                                              |                        |                                               |                        |                                               |  |
|                                                     | Inverter circuit (COMP/FAN) |                        | Over-heat protection, Over-current protection                                                                   |                                              |                        |                                               |                        |                                               |  |
|                                                     | Compressor                  |                        | Over-heat protection                                                                                            |                                              |                        |                                               |                        |                                               |  |
|                                                     | Fan motor                   |                        | Thermal switch                                                                                                  |                                              | Thermal switch         |                                               | Thermal switch         |                                               |  |
| Refrigerant                                         | Type x original charge      |                        | R410A x 11.5kg (26lbs)                                                                                          |                                              | R410A x 11.8kg (27lbs) |                                               | R410A x 11.8kg (27lbs) |                                               |  |
| Net weight                                          |                             | kg (lbs)               | 250(552)                                                                                                        |                                              | 290(640)               |                                               | 290(640)               |                                               |  |
| Heat exchanger                                      |                             |                        | Salt-resistant cross fin & copper tube                                                                          |                                              |                        |                                               |                        |                                               |  |
| Pipe between unit and distributor                   | Liquid pipe                 | mm (in.)               | 12.7(1/2) Brazed                                                                                                |                                              | 15.88(5/8) Brazed      |                                               | 15.88(5/8) Brazed      |                                               |  |
|                                                     | Gas pipe                    | mm (in.)               | 28.58(1-1/8) Brazed                                                                                             |                                              | 28.58(1-1/8) Brazed    |                                               | 28.58(1-1/8) Brazed    |                                               |  |
| Optional parts                                      |                             |                        | Outdoor Twinning kit: CMY-Y300VBK2<br>Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010-G |                                              |                        |                                               |                        |                                               |  |

Notes:

\*1,\*2 Nominal conditions

|         | Indoor                            | Outdoor                        | Pipe length       | Level difference |
|---------|-----------------------------------|--------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB(95°F DB)               | 7.5m (24-9/16ft.) | 0m (0ft.)        |
| Heating | 20°C DB(68°F DB)                  | 7°C DB/6°C WB(45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.)        |

\*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

\*Nominal condition \*1,\*2 are subject to JIS B8615-1.