

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                              |                     |                                                                                                                                                                                                                                                               |  |
|--------------------------------------------------------|------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Model                                                  |                              |                     | PURY-EP200YNW-A1 (-BS)                                                                                                                                                                                                                                        |  |
| Power source                                           |                              |                     | 3-phase 4-wire 380-400-415 V 50/60 Hz                                                                                                                                                                                                                         |  |
| Cooling capacity                                       | *1, 3                        | kW                  | 22.4                                                                                                                                                                                                                                                          |  |
|                                                        |                              | BTU/h               | 76,400                                                                                                                                                                                                                                                        |  |
|                                                        | Power input                  | kW                  | 5.38                                                                                                                                                                                                                                                          |  |
|                                                        | Current input                | A                   | 9.0-8.6-8.3                                                                                                                                                                                                                                                   |  |
|                                                        | EER                          | kW/kW               | 4.16                                                                                                                                                                                                                                                          |  |
| Temp. range of cooling                                 | Indoor                       | W.B.                | 15.0~24.0°C (59~75°F)                                                                                                                                                                                                                                         |  |
|                                                        | Outdoor                      | D.B.                | -5.0~52.0°C (23~126°F)                                                                                                                                                                                                                                        |  |
| Heating capacity                                       | *2, 3                        | kW                  | 25.0                                                                                                                                                                                                                                                          |  |
|                                                        |                              | BTU/h               | 85,300                                                                                                                                                                                                                                                        |  |
|                                                        | Power input                  | kW                  | 5.88                                                                                                                                                                                                                                                          |  |
|                                                        | Current input                | A                   | 9.9-9.4-9.0                                                                                                                                                                                                                                                   |  |
|                                                        | COP                          | kW/kW               | 4.25                                                                                                                                                                                                                                                          |  |
| 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               |                     | 50~150%                                                                                                                                                                                                                                                       |  |
|                                                        | Model/Quantity               |                     | P10~P250/1~20                                                                                                                                                                                                                                                 |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                              | dB <A>              | 59.0/59.0                                                                                                                                                                                                                                                     |  |
| Sound power level (measured in anechoic room) *4       |                              | dB <A>              | 76/78                                                                                                                                                                                                                                                         |  |
| Refrigerant                                            | High pressure                | mm (in.)            | 15.88 (5/8) Brazed                                                                                                                                                                                                                                            |  |
| piping diameter                                        | Low pressure                 | mm (in.)            | 19.05 (3/4) Brazed                                                                                                                                                                                                                                            |  |
| FAN                                                    | Type x Quantity              |                     | Propeller fan x 1                                                                                                                                                                                                                                             |  |
|                                                        | Air flow rate                | m <sup>3</sup> /min | 170                                                                                                                                                                                                                                                           |  |
|                                                        |                              | L/s                 | 2,833                                                                                                                                                                                                                                                         |  |
|                                                        |                              | cfm                 | 6,003                                                                                                                                                                                                                                                         |  |
|                                                        | Control, Driving mechanism   |                     | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |  |
|                                                        | Motor output                 | kW                  | 0.92 x 1                                                                                                                                                                                                                                                      |  |
|                                                        | *6 External static press.    |                     | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                   |  |
| Compressor                                             | Type                         |                     | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |  |
|                                                        | Starting method              |                     | Inverter                                                                                                                                                                                                                                                      |  |
|                                                        | Motor output                 | kW                  | 3.6                                                                                                                                                                                                                                                           |  |
|                                                        | Case heater                  | kW                  | -                                                                                                                                                                                                                                                             |  |
|                                                        | Lubricant                    |                     | MEL32                                                                                                                                                                                                                                                         |  |
| External finish                                        |                              |                     | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |  |
| External dimension H x W x D                           |                              | mm                  | 1,858 (1,798 without legs) x 920 x 740                                                                                                                                                                                                                        |  |
|                                                        |                              | in.                 | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                                                                            |  |
| Protection devices                                     | High pressure protection     |                     | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |  |
|                                                        | Inverter circuit (COMP./FAN) |                     | Over-current protection                                                                                                                                                                                                                                       |  |
|                                                        | Compressor                   |                     | -                                                                                                                                                                                                                                                             |  |
|                                                        | Fan motor                    |                     | -                                                                                                                                                                                                                                                             |  |
| Refrigerant                                            | Type x original charge       |                     | R410A x 5.2 kg (12 lbs)                                                                                                                                                                                                                                       |  |
|                                                        | Control                      |                     | Indoor LEV and BC controller                                                                                                                                                                                                                                  |  |
| Net weight                                             |                              | kg (lbs)            | 219 (483)                                                                                                                                                                                                                                                     |  |
| Heat exchanger                                         |                              |                     | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |  |
| HIC circuit (HIC: Heat Inter-Changer)                  |                              |                     | -                                                                                                                                                                                                                                                             |  |
| Defrosting method                                      |                              |                     | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |  |
| Drawing                                                | External                     |                     | WKB94C1JA                                                                                                                                                                                                                                                     |  |
|                                                        | Wiring                       |                     | WKE94L023                                                                                                                                                                                                                                                     |  |
| Standard attachment                                    | Document                     |                     | Installation Manual                                                                                                                                                                                                                                           |  |
|                                                        | Accessory                    |                     | -                                                                                                                                                                                                                                                             |  |
| Optional parts                                         |                              |                     | Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>BC controller: CMB-M104,106,108,1012,1016V-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                         |  |
| Remarks                                                |                              |                     | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |  |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                    | Unit converter                                              |
| 1.Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B./24°C.W.B. (95°F.D.B./75°F.W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      | BTU/h =kW x 3,412                                           |
| 2.Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            | cfm =m <sup>3</sup> /min x 35.31                            |
| 3.In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      | lbs =kg/0.4536                                              |
| 4.Cooling mode/Heating mode                                                                                                                                                                                                               |                                                             |
| 5.The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |                                                             |
| 6.External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                              |               |                                                                                                                                                                                                                                                               |                    |  |
|--------------------------------------------------------|------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|
| Model                                                  |                              |               | PURY-EP250YNW-A1 (-BS)                                                                                                                                                                                                                                        |                    |  |
| Power source                                           |                              |               | 3-phase 4-wire 380-400-415 V 50/60 Hz                                                                                                                                                                                                                         |                    |  |
| Cooling capacity                                       |                              | *1, 3         | kW                                                                                                                                                                                                                                                            | 28.0               |  |
|                                                        |                              |               | BTU/h                                                                                                                                                                                                                                                         | 95,500             |  |
|                                                        |                              | Power input   | kW                                                                                                                                                                                                                                                            | 7.00               |  |
|                                                        |                              | Current input | A                                                                                                                                                                                                                                                             | 11.8-11.2-10.8     |  |
|                                                        |                              | EER           | kW/kW                                                                                                                                                                                                                                                         | 4.00               |  |
| Temp. range of cooling                                 | Indoor                       | W.B.          | 15.0~24.0°C (59~75°F)                                                                                                                                                                                                                                         |                    |  |
|                                                        | Outdoor                      | D.B.          | -5.0~52.0°C (23~126°F)                                                                                                                                                                                                                                        |                    |  |
| Heating capacity                                       |                              | *2, 3         | kW                                                                                                                                                                                                                                                            | 31.5               |  |
|                                                        |                              |               | BTU/h                                                                                                                                                                                                                                                         | 107,500            |  |
|                                                        |                              | Power input   | kW                                                                                                                                                                                                                                                            | 7.59               |  |
|                                                        |                              | Current input | A                                                                                                                                                                                                                                                             | 12.8-12.1-11.7     |  |
|                                                        |                              | COP           | kW/kW                                                                                                                                                                                                                                                         | 4.15               |  |
| 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               |               | 50~150%                                                                                                                                                                                                                                                       |                    |  |
|                                                        | Model/Quantity               |               | P10~P250/1~25                                                                                                                                                                                                                                                 |                    |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                              |               | dB <A>                                                                                                                                                                                                                                                        | 60.5/61.0          |  |
| Sound power level (measured in anechoic room) *4       |                              |               | dB <A>                                                                                                                                                                                                                                                        | 78/80              |  |
| Refrigerant piping diameter                            | High pressure                |               | mm (in.)                                                                                                                                                                                                                                                      | 19.05 (3/4) Brazed |  |
|                                                        | Low pressure                 |               | mm (in.)                                                                                                                                                                                                                                                      | 22.2 (7/8) Brazed  |  |
| FAN                                                    | Type x Quantity              |               | Propeller fan x 1                                                                                                                                                                                                                                             |                    |  |
|                                                        | Air flow rate                |               | m <sup>3</sup> /min                                                                                                                                                                                                                                           | 185                |  |
|                                                        |                              |               | L/s                                                                                                                                                                                                                                                           | 3,083              |  |
|                                                        |                              |               | cfm                                                                                                                                                                                                                                                           | 6,532              |  |
|                                                        | Control, Driving mechanism   |               | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                    |  |
|                                                        | Motor output                 |               | kW                                                                                                                                                                                                                                                            | 0.92 x 1           |  |
|                                                        | *6 External static press.    |               | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                   |                    |  |
| Compressor                                             | Type                         |               | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                    |  |
|                                                        | Starting method              |               | Inverter                                                                                                                                                                                                                                                      |                    |  |
|                                                        | Motor output                 | kW            | 5.5                                                                                                                                                                                                                                                           |                    |  |
|                                                        | Case heater                  | kW            | -                                                                                                                                                                                                                                                             |                    |  |
|                                                        | Lubricant                    |               | MEL32                                                                                                                                                                                                                                                         |                    |  |
| External finish                                        |                              |               | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                    |  |
| External dimension H x W x D                           |                              | mm            | 1,858 (1,798 without legs) x 920 x 740                                                                                                                                                                                                                        |                    |  |
|                                                        |                              | in.           | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                                                                            |                    |  |
| Protection devices                                     | High pressure protection     |               | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                    |  |
|                                                        | Inverter circuit (COMP./FAN) |               | Over-current protection                                                                                                                                                                                                                                       |                    |  |
|                                                        | Compressor                   |               | -                                                                                                                                                                                                                                                             |                    |  |
|                                                        | Fan motor                    |               | -                                                                                                                                                                                                                                                             |                    |  |
| Refrigerant                                            | Type x original charge       |               | R410A x 5.2 kg (12 lbs)                                                                                                                                                                                                                                       |                    |  |
|                                                        | Control                      |               | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                    |  |
| Net weight                                             |                              | kg (lbs)      | 228 (503)                                                                                                                                                                                                                                                     |                    |  |
| Heat exchanger                                         |                              |               | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                    |  |
| HIC circuit (HIC: Heat Inter-Changer)                  |                              |               | -                                                                                                                                                                                                                                                             |                    |  |
| Defrosting method                                      |                              |               | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                    |  |
| Drawing                                                | External                     |               | WKB94C1JA                                                                                                                                                                                                                                                     |                    |  |
|                                                        | Wiring                       |               | WKE94L023                                                                                                                                                                                                                                                     |                    |  |
| Standard attachment                                    | Document                     |               | Installation Manual                                                                                                                                                                                                                                           |                    |  |
|                                                        | Accessory                    |               | -                                                                                                                                                                                                                                                             |                    |  |
| Optional parts                                         |                              |               | Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>BC controller: CMB-M104,106,108,1012,1016V-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                         |                    |  |
| Remarks                                                |                              |               | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                    |  |

## Notes:

- Nominal cooling conditions (subject to JIS B8615-1,-2)  
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-1,-2)  
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- In case of connecting PLFY-P\*\*VEM type indoor unit
- Cooling mode/Heating mode
- The sound pressure level measured by the conventional method in JIS for reference purpose.
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH<sub>2</sub>O, 6.1 mmH<sub>2</sub>O, 8.2 mmH<sub>2</sub>O).  
Consult your dealer about the specification when setting External static pressure option.

## Unit converter

|       |                              |
|-------|------------------------------|
| BTU/h | =kW x 3,412                  |
| cfm   | =m <sup>3</sup> /min x 35.31 |
| lbs   | =kg/0.4536                   |

\*Above specification data is subject to rounding variation.

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |               |                              |                                                                                                                                                                                                                                                               |                                                                  |                |  |
|--------------------------------------------------------|---------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|--|
| Model                                                  |               |                              | PURY-EP300YNW-A1 (-BS)                                                                                                                                                                                                                                        |                                                                  |                |  |
| Power source                                           |               |                              | 3-phase 4-wire 380-400-415 V 50/60 Hz                                                                                                                                                                                                                         |                                                                  |                |  |
| Cooling capacity                                       |               | *1, 3                        | kW                                                                                                                                                                                                                                                            | 33.5                                                             |                |  |
|                                                        |               |                              | BTU/h                                                                                                                                                                                                                                                         | 114,300                                                          |                |  |
|                                                        |               |                              | Power input                                                                                                                                                                                                                                                   | kW                                                               | 8.98           |  |
|                                                        |               |                              | Current input                                                                                                                                                                                                                                                 | A                                                                | 15.1-14.4-13.8 |  |
|                                                        |               |                              | EER                                                                                                                                                                                                                                                           | kW/kW                                                            | 3.73           |  |
| Temp. range of cooling                                 |               | Indoor                       | W.B.                                                                                                                                                                                                                                                          | 15.0~24.0°C (59~75°F)                                            |                |  |
|                                                        |               | Outdoor                      | D.B.                                                                                                                                                                                                                                                          | -5.0~52.0°C (23~126°F)                                           |                |  |
| Heating capacity                                       |               | *2, 3                        | kW                                                                                                                                                                                                                                                            | 37.5                                                             |                |  |
|                                                        |               |                              | BTU/h                                                                                                                                                                                                                                                         | 128,000                                                          |                |  |
|                                                        |               |                              | Power input                                                                                                                                                                                                                                                   | kW                                                               | 9.94           |  |
|                                                        |               |                              | Current input                                                                                                                                                                                                                                                 | A                                                                | 16.7-15.9-15.3 |  |
|                                                        |               |                              | COP                                                                                                                                                                                                                                                           | kW/kW                                                            | 3.77           |  |
| 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               |                                                                                                                                                                                                                                                               | 50~150%                                                          |                |  |
|                                                        |               | Model/Quantity               |                                                                                                                                                                                                                                                               | P10~P250/1~30                                                    |                |  |
| Sound pressure level (measured in anechoic room) *4 *5 |               |                              | dB <A>                                                                                                                                                                                                                                                        | 61.0/67.0                                                        |                |  |
| Sound power level (measured in anechoic room) *4       |               |                              | dB <A>                                                                                                                                                                                                                                                        | 80/86                                                            |                |  |
| Refrigerant                                            | High pressure | mm (in.)                     | 19.05 (3/4) Brazed                                                                                                                                                                                                                                            |                                                                  |                |  |
| piping diameter                                        | Low pressure  | mm (in.)                     | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |                                                                  |                |  |
| FAN                                                    |               | Type x Quantity              |                                                                                                                                                                                                                                                               | Propeller fan x 1                                                |                |  |
|                                                        |               | Air flow rate                |                                                                                                                                                                                                                                                               | m <sup>3</sup> /min                                              | 240            |  |
|                                                        |               |                              |                                                                                                                                                                                                                                                               | L/s                                                              | 4,000          |  |
|                                                        |               |                              |                                                                                                                                                                                                                                                               | cfm                                                              | 8,474          |  |
|                                                        |               | Control, Driving mechanism   |                                                                                                                                                                                                                                                               | Inverter-control, Direct-driven by motor                         |                |  |
|                                                        |               | Motor output                 |                                                                                                                                                                                                                                                               | kW                                                               | 0.92 x 1       |  |
|                                                        |               | *6 External static press.    |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O)                                      |                |  |
| Compressor                                             |               | Type                         |                                                                                                                                                                                                                                                               | Inverter scroll hermetic compressor                              |                |  |
|                                                        |               | Starting method              |                                                                                                                                                                                                                                                               | Inverter                                                         |                |  |
|                                                        |               | Motor output                 | kW                                                                                                                                                                                                                                                            | 7.3                                                              |                |  |
|                                                        |               | Case heater                  | kW                                                                                                                                                                                                                                                            | -                                                                |                |  |
|                                                        |               | Lubricant                    |                                                                                                                                                                                                                                                               | MEL32                                                            |                |  |
| External finish                                        |               |                              | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                                                                  |                |  |
| External dimension H x W x D                           |               | mm                           | 1,858 (1,798 without legs) x 920 x 740                                                                                                                                                                                                                        |                                                                  |                |  |
|                                                        |               | in.                          | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                                                                            |                                                                  |                |  |
| Protection devices                                     |               | High pressure protection     |                                                                                                                                                                                                                                                               | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) |                |  |
|                                                        |               | Inverter circuit (COMP./FAN) |                                                                                                                                                                                                                                                               | Over-current protection                                          |                |  |
|                                                        |               | Compressor                   |                                                                                                                                                                                                                                                               | -                                                                |                |  |
|                                                        |               | Fan motor                    |                                                                                                                                                                                                                                                               | -                                                                |                |  |
| Refrigerant                                            |               | Type x original charge       |                                                                                                                                                                                                                                                               | R410A x 5.2 kg (12 lbs)                                          |                |  |
|                                                        |               | Control                      |                                                                                                                                                                                                                                                               | Indoor LEV and BC controller                                     |                |  |
| Net weight                                             |               | kg (lbs)                     | 230 (508)                                                                                                                                                                                                                                                     |                                                                  |                |  |
| Heat exchanger                                         |               |                              | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                                                                  |                |  |
| HIC circuit (HIC: Heat Inter-Changer)                  |               |                              | -                                                                                                                                                                                                                                                             |                                                                  |                |  |
| Defrosting method                                      |               |                              | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                                                                  |                |  |
| Drawing                                                |               | External                     |                                                                                                                                                                                                                                                               | WKB94C1JA                                                        |                |  |
|                                                        |               | Wiring                       |                                                                                                                                                                                                                                                               | WKE94L023                                                        |                |  |
| Standard attachment                                    |               | Document                     |                                                                                                                                                                                                                                                               | Installation Manual                                              |                |  |
|                                                        |               | Accessory                    |                                                                                                                                                                                                                                                               | -                                                                |                |  |
| Optional parts                                         |               |                              | Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>BC controller: CMB-M104,106,108,1012,1016V-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                         |                                                                  |                |  |
| Remarks                                                |               |                              | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                                                                  |                |  |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                    | Unit converter                                              |
| 1.Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B./24°C.W.B. (95°F.D.B./75°F.W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      | BTU/h =kW x 3,412                                           |
| 2.Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            | cfm =m <sup>3</sup> /min x 35.31                            |
| 3.In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      | lbs =kg/0.4536                                              |
| 4.Cooling mode/Heating mode                                                                                                                                                                                                               |                                                             |
| 5.The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |                                                             |
| 6.External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                              |                             |                                                                                                                                                                                                                                                               |                      |  |
|--------------------------------------------------------|------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|
| Model                                                  |                              |                             | PURY-EP350YNW-A1 (-BS)                                                                                                                                                                                                                                        |                      |  |
| Power source                                           |                              |                             | 3-phase 4-wire 380-400-415 V 50/60 Hz                                                                                                                                                                                                                         |                      |  |
| Cooling capacity                                       |                              | *1, 3                       | kW                                                                                                                                                                                                                                                            | 40.0                 |  |
|                                                        |                              |                             | BTU/h                                                                                                                                                                                                                                                         | 136,500              |  |
|                                                        |                              | Power input                 | kW                                                                                                                                                                                                                                                            | 10.49                |  |
|                                                        |                              | Current input               | A                                                                                                                                                                                                                                                             | 17.7-16.8-16.2       |  |
|                                                        |                              | EER                         | kW/kW                                                                                                                                                                                                                                                         | 3.81                 |  |
| Temp. range of cooling                                 | Indoor                       | W.B.                        | 15.0~24.0°C (59~75°F)                                                                                                                                                                                                                                         |                      |  |
|                                                        | Outdoor                      | D.B.                        | -5.0~52.0°C (23~126°F)                                                                                                                                                                                                                                        |                      |  |
| Heating capacity                                       |                              | *2, 3                       | kW                                                                                                                                                                                                                                                            | 45.0                 |  |
|                                                        |                              |                             | BTU/h                                                                                                                                                                                                                                                         | 153,500              |  |
|                                                        |                              | Power input                 | kW                                                                                                                                                                                                                                                            | 11.59                |  |
|                                                        |                              | Current input               | A                                                                                                                                                                                                                                                             | 19.5-18.5-17.9       |  |
|                                                        |                              | COP                         | kW/kW                                                                                                                                                                                                                                                         | 3.88                 |  |
| 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               |                             | 50~150%                                                                                                                                                                                                                                                       |                      |  |
|                                                        | Model/Quantity               |                             | P10~P250/1~35                                                                                                                                                                                                                                                 |                      |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                              |                             | dB <A>                                                                                                                                                                                                                                                        | 62.5/64.0            |  |
| Sound power level (measured in anechoic room) *4       |                              |                             | dB <A>                                                                                                                                                                                                                                                        | 81/83                |  |
| Refrigerant piping diameter                            | High pressure                |                             | mm (in.)                                                                                                                                                                                                                                                      | 19.05 (3/4) Brazed   |  |
|                                                        | Low pressure                 |                             | mm (in.)                                                                                                                                                                                                                                                      | 28.58 (1-1/8) Brazed |  |
| FAN                                                    | Type x Quantity              |                             | Propeller fan x 2                                                                                                                                                                                                                                             |                      |  |
|                                                        | Air flow rate                | m <sup>3</sup> /min         |                                                                                                                                                                                                                                                               | 250                  |  |
|                                                        |                              | L/s                         |                                                                                                                                                                                                                                                               | 4,167                |  |
|                                                        |                              | cfm                         |                                                                                                                                                                                                                                                               | 8,828                |  |
|                                                        | Control, Driving mechanism   |                             | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                      |  |
|                                                        | Motor output                 | kW                          | 0.46 x 2                                                                                                                                                                                                                                                      |                      |  |
|                                                        | *6 External static press.    | 0 Pa (0 mmH <sub>2</sub> O) |                                                                                                                                                                                                                                                               |                      |  |
| Compressor                                             | Type                         |                             | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                      |  |
|                                                        | Starting method              |                             | Inverter                                                                                                                                                                                                                                                      |                      |  |
|                                                        | Motor output                 | kW                          | 8.7                                                                                                                                                                                                                                                           |                      |  |
|                                                        | Case heater                  | kW                          | -                                                                                                                                                                                                                                                             |                      |  |
|                                                        | Lubricant                    |                             | MEL32                                                                                                                                                                                                                                                         |                      |  |
| External finish                                        |                              |                             | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                      |  |
| External dimension H x W x D                           |                              | mm                          | 1,858 (1,798 without legs) x 1,240 x 740                                                                                                                                                                                                                      |                      |  |
|                                                        |                              | in.                         | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                                                                                                                                                                                            |                      |  |
| Protection devices                                     | High pressure protection     |                             | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                      |  |
|                                                        | Inverter circuit (COMP./FAN) |                             | Over-current protection                                                                                                                                                                                                                                       |                      |  |
|                                                        | Compressor                   |                             | -                                                                                                                                                                                                                                                             |                      |  |
|                                                        | Fan motor                    |                             | -                                                                                                                                                                                                                                                             |                      |  |
| Refrigerant                                            | Type x original charge       |                             | R410A x 8.0 kg (18 lbs)                                                                                                                                                                                                                                       |                      |  |
|                                                        | Control                      |                             | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                      |  |
| Net weight                                             |                              | kg (lbs)                    | 275 (607)                                                                                                                                                                                                                                                     |                      |  |
| Heat exchanger                                         |                              |                             | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                      |  |
| HIC circuit (HIC: Heat Inter-Changer)                  |                              |                             | -                                                                                                                                                                                                                                                             |                      |  |
| Defrosting method                                      |                              |                             | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                      |  |
| Drawing                                                | External                     |                             | WKB94C1JB                                                                                                                                                                                                                                                     |                      |  |
|                                                        | Wiring                       |                             | WKE94L024                                                                                                                                                                                                                                                     |                      |  |
| Standard attachment                                    | Document                     |                             | Installation Manual                                                                                                                                                                                                                                           |                      |  |
|                                                        | Accessory                    |                             | -                                                                                                                                                                                                                                                             |                      |  |
| Optional parts                                         |                              |                             | Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>BC controller: CMB-M104,106,108,1012,1016V-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                         |                      |  |
| Remarks                                                |                              |                             | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                      |  |

## Notes:

- Nominal cooling conditions (subject to JIS B8615-1,-2)  
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-1,-2)  
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- In case of connecting PLFY-P\*\*VEM type indoor unit
- Cooling mode/Heating mode
- The sound pressure level measured by the conventional method in JIS for reference purpose.
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH<sub>2</sub>O, 6.1 mmH<sub>2</sub>O, 8.2 mmH<sub>2</sub>O).  
Consult your dealer about the specification when setting External static pressure option.

## Unit converter

|       |                              |
|-------|------------------------------|
| BTU/h | =kW x 3,412                  |
| cfm   | =m <sup>3</sup> /min x 35.31 |
| lbs   | =kg/0.4536                   |

\*Above specification data is subject to rounding variation.

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                              |                     |                                                                                                                                                                                                                                                               |           |
|--------------------------------------------------------|------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Model                                                  |                              |                     | PURY-EP400YNW-A1 (-BS)                                                                                                                                                                                                                                        |           |
| Power source                                           |                              |                     | 3-phase 4-wire 380-400-415 V 50/60 Hz                                                                                                                                                                                                                         |           |
| Cooling capacity                                       | *1, 3                        | kW                  | 45.0                                                                                                                                                                                                                                                          |           |
|                                                        |                              | BTU/h               | 153,500                                                                                                                                                                                                                                                       |           |
|                                                        | Power input                  | kW                  | 12.82                                                                                                                                                                                                                                                         |           |
|                                                        | Current input                | A                   | 21.6-20.5-19.8                                                                                                                                                                                                                                                |           |
|                                                        | EER                          | kW/kW               | 3.51                                                                                                                                                                                                                                                          |           |
| Temp. range of cooling                                 | Indoor                       | W.B.                | 15.0~24.0°C (59~75°F)                                                                                                                                                                                                                                         |           |
|                                                        | Outdoor                      | D.B.                | -5.0~52.0°C (23~126°F)                                                                                                                                                                                                                                        |           |
| Heating capacity                                       | *2, 3                        | kW                  | 50.0                                                                                                                                                                                                                                                          |           |
|                                                        |                              | BTU/h               | 170,600                                                                                                                                                                                                                                                       |           |
|                                                        | Power input                  | kW                  | 13.26                                                                                                                                                                                                                                                         |           |
|                                                        | Current input                | A                   | 22.3-21.2-20.4                                                                                                                                                                                                                                                |           |
|                                                        | COP                          | kW/kW               | 3.77                                                                                                                                                                                                                                                          |           |
| 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               |                     | 50~150%                                                                                                                                                                                                                                                       |           |
|                                                        | Model/Quantity               |                     | P10~P250/1~40                                                                                                                                                                                                                                                 |           |
| Sound pressure level (measured in anechoic room) *4 *5 |                              |                     | dB <A>                                                                                                                                                                                                                                                        | 65.0/69.0 |
| Sound power level (measured in anechoic room) *4       |                              |                     | dB <A>                                                                                                                                                                                                                                                        | 83/88     |
| Refrigerant piping diameter                            | High pressure                | mm (in.)            | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |           |
|                                                        | Low pressure                 | mm (in.)            | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |           |
| FAN                                                    | Type x Quantity              |                     | Propeller fan x 2                                                                                                                                                                                                                                             |           |
|                                                        | Air flow rate                | m <sup>3</sup> /min | 315                                                                                                                                                                                                                                                           |           |
|                                                        |                              | L/s                 | 5,250                                                                                                                                                                                                                                                         |           |
|                                                        |                              | cfm                 | 11,123                                                                                                                                                                                                                                                        |           |
|                                                        | Control, Driving mechanism   |                     | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |           |
|                                                        | Motor output                 | kW                  | 0.46 x 2                                                                                                                                                                                                                                                      |           |
|                                                        | *6 External static press.    |                     | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                   |           |
| Compressor                                             | Type                         |                     | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |           |
|                                                        | Starting method              |                     | Inverter                                                                                                                                                                                                                                                      |           |
|                                                        | Motor output                 | kW                  | 10.8                                                                                                                                                                                                                                                          |           |
|                                                        | Case heater                  | kW                  | -                                                                                                                                                                                                                                                             |           |
|                                                        | Lubricant                    |                     | MEL32                                                                                                                                                                                                                                                         |           |
| External finish                                        |                              |                     | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |           |
| External dimension H x W x D                           |                              | mm                  | 1,858 (1,798 without legs) x 1,240 x 740                                                                                                                                                                                                                      |           |
|                                                        |                              | in.                 | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                                                                                                                                                                                            |           |
| Protection devices                                     | High pressure protection     |                     | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |           |
|                                                        | Inverter circuit (COMP./FAN) |                     | Over-current protection                                                                                                                                                                                                                                       |           |
|                                                        | Compressor                   |                     | -                                                                                                                                                                                                                                                             |           |
|                                                        | Fan motor                    |                     | -                                                                                                                                                                                                                                                             |           |
| Refrigerant                                            | Type x original charge       |                     | R410A x 8.0 kg (18 lbs)                                                                                                                                                                                                                                       |           |
|                                                        | Control                      |                     | Indoor LEV and BC controller                                                                                                                                                                                                                                  |           |
| Net weight                                             |                              | kg (lbs)            | 276 (609)                                                                                                                                                                                                                                                     |           |
| Heat exchanger                                         |                              |                     | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |           |
| HIC circuit (HIC: Heat Inter-Changer)                  |                              |                     | -                                                                                                                                                                                                                                                             |           |
| Defrosting method                                      |                              |                     | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |           |
| Drawing                                                | External                     |                     | WKB94C1JB                                                                                                                                                                                                                                                     |           |
|                                                        | Wiring                       |                     | WKE94L024                                                                                                                                                                                                                                                     |           |
| Standard attachment                                    | Document                     |                     | Installation Manual                                                                                                                                                                                                                                           |           |
|                                                        | Accessory                    |                     | -                                                                                                                                                                                                                                                             |           |
| Optional parts                                         |                              |                     | Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1                                                                                                                                                                                                                |           |
|                                                        |                              |                     | Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1                                                                                                                                                                                                    |           |
|                                                        |                              |                     | Sub BC controller: CMB-M104,108V-KB1                                                                                                                                                                                                                          |           |
| Remarks                                                |                              |                     | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |           |

|                                                                                                                                                                                                                                            |  |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h =kW x 3,412                                           |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm =m <sup>3</sup> /min x 35.31                            |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs =kg/0.4536                                              |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                              |                        |                                                                                                                                                                                                                                                               |                             |  |
|--------------------------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|
| Model                                                  |                              |                        | PURY-EP450YNW-A1 (-BS)                                                                                                                                                                                                                                        |                             |  |
| Power source                                           |                              |                        | 3-phase 4-wire 380-400-415 V 50/60 Hz                                                                                                                                                                                                                         |                             |  |
| Cooling capacity                                       |                              | *1, 3                  | kW                                                                                                                                                                                                                                                            | 50.0                        |  |
|                                                        |                              |                        | BTU/h                                                                                                                                                                                                                                                         | 170,600                     |  |
|                                                        |                              | Power input            | kW                                                                                                                                                                                                                                                            | 13.55                       |  |
|                                                        |                              | Current input          | A                                                                                                                                                                                                                                                             | 22.8-21.7-20.9              |  |
|                                                        |                              | EER                    | kW/kW                                                                                                                                                                                                                                                         | 3.69                        |  |
| Temp. range of cooling                                 | Indoor                       | W.B.                   | 15.0~24.0°C (59~75°F)                                                                                                                                                                                                                                         |                             |  |
|                                                        | Outdoor                      | D.B.                   | -5.0~52.0°C (23~126°F)                                                                                                                                                                                                                                        |                             |  |
| Heating capacity                                       |                              | *2, 3                  | kW                                                                                                                                                                                                                                                            | 56.0                        |  |
|                                                        |                              |                        | BTU/h                                                                                                                                                                                                                                                         | 191,100                     |  |
|                                                        |                              | Power input            | kW                                                                                                                                                                                                                                                            | 15.86                       |  |
|                                                        |                              | Current input          | A                                                                                                                                                                                                                                                             | 26.7-25.4-24.5              |  |
|                                                        |                              | COP                    | kW/kW                                                                                                                                                                                                                                                         | 3.53                        |  |
| 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               |                        | 50~150%                                                                                                                                                                                                                                                       |                             |  |
|                                                        | Model/Quantity               |                        | P10~P250/1~45                                                                                                                                                                                                                                                 |                             |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                              |                        | dB <A>                                                                                                                                                                                                                                                        | 65.5/70.0                   |  |
| Sound power level (measured in anechoic room) *4       |                              |                        | dB <A>                                                                                                                                                                                                                                                        | 83/89                       |  |
| Refrigerant piping diameter                            | High pressure                |                        | mm (in.)                                                                                                                                                                                                                                                      | 22.2 (7/8) Brazed           |  |
|                                                        | Low pressure                 |                        | mm (in.)                                                                                                                                                                                                                                                      | 28.58 (1-1/8) Brazed        |  |
| FAN                                                    | Type x Quantity              |                        | Propeller fan x 2                                                                                                                                                                                                                                             |                             |  |
|                                                        | Air flow rate                | m <sup>3</sup> /min    |                                                                                                                                                                                                                                                               | 315                         |  |
|                                                        |                              | L/s                    |                                                                                                                                                                                                                                                               | 5,250                       |  |
|                                                        |                              | cfm                    |                                                                                                                                                                                                                                                               | 11,123                      |  |
|                                                        | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                             |  |
|                                                        | Motor output                 | kW                     | 0.46 x 2                                                                                                                                                                                                                                                      |                             |  |
|                                                        | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O) |  |
| Compressor                                             | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                             |  |
|                                                        | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      |                             |  |
|                                                        | Motor output                 | kW                     | 11.7                                                                                                                                                                                                                                                          |                             |  |
|                                                        | Case heater                  | kW                     | -                                                                                                                                                                                                                                                             |                             |  |
|                                                        | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         |                             |  |
| External finish                                        |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                             |  |
| External dimension H x W x D                           |                              | mm                     | 1,858 (1,798 without legs) x 1,240 x 740                                                                                                                                                                                                                      |                             |  |
|                                                        |                              | in.                    | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                                                                                                                                                                                            |                             |  |
| Protection devices                                     | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                             |  |
|                                                        | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       |                             |  |
|                                                        | Compressor                   |                        | -                                                                                                                                                                                                                                                             |                             |  |
|                                                        | Fan motor                    |                        | -                                                                                                                                                                                                                                                             |                             |  |
| Refrigerant                                            | Type x original charge       |                        | R410A x 10.8 kg (24 lbs)                                                                                                                                                                                                                                      |                             |  |
|                                                        | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                             |  |
| Net weight                                             |                              | kg (lbs)               | 301 (664)                                                                                                                                                                                                                                                     |                             |  |
| Heat exchanger                                         |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                             |  |
| HIC circuit (HIC: Heat Inter-Changer)                  |                              |                        | -                                                                                                                                                                                                                                                             |                             |  |
| Defrosting method                                      |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                             |  |
| Drawing                                                | External                     |                        | WKB94C1JB                                                                                                                                                                                                                                                     |                             |  |
|                                                        | Wiring                       |                        | WKE94L024                                                                                                                                                                                                                                                     |                             |  |
| Standard attachment                                    | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                             |  |
|                                                        | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                             |  |
| Optional parts                                         |                              |                        | Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1                                                                                                                                                                                                                |                             |  |
|                                                        |                              |                        | Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1                                                                                                                                                                                                    |                             |  |
|                                                        |                              |                        | Sub BC controller: CMB-M104,108V-KB1                                                                                                                                                                                                                          |                             |  |
| Remarks                                                |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                             |  |

## Notes:

- Nominal cooling conditions (subject to JIS B8615-1,-2)  
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-1,-2)  
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- In case of connecting PLFY-P\*\*VEM type indoor unit
- Cooling mode/Heating mode
- The sound pressure level measured by the conventional method in JIS for reference purpose.
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH<sub>2</sub>O, 6.1 mmH<sub>2</sub>O, 8.2 mmH<sub>2</sub>O).  
Consult your dealer about the specification when setting External static pressure option.

## Unit converter

|       |                              |
|-------|------------------------------|
| BTU/h | =kW x 3,412                  |
| cfm   | =m <sup>3</sup> /min x 35.31 |
| lbs   | =kg/0.4536                   |

\*Above specification data is subject to rounding variation.

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                              |                     |                                                                                                                                                                                                                                                               |  |
|--------------------------------------------------------|------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Model                                                  |                              |                     | PURY-EP500YNW-A1 (-BS)                                                                                                                                                                                                                                        |  |
| Power source                                           |                              |                     | 3-phase 4-wire 380-400-415 V 50/60 Hz                                                                                                                                                                                                                         |  |
| Cooling capacity                                       | *1, 3                        | kW                  | 56.0                                                                                                                                                                                                                                                          |  |
|                                                        |                              | BTU/h               | 191,100                                                                                                                                                                                                                                                       |  |
|                                                        | Power input                  | kW                  | 16.09                                                                                                                                                                                                                                                         |  |
|                                                        | Current input                | A                   | 27.1-25.8-24.8                                                                                                                                                                                                                                                |  |
|                                                        | EER                          | kW/kW               | 3.48                                                                                                                                                                                                                                                          |  |
| Temp. range of cooling                                 | Indoor                       | W.B.                | 15.0~24.0°C (59~75°F)                                                                                                                                                                                                                                         |  |
|                                                        | Outdoor                      | D.B.                | -5.0~52.0°C (23~126°F)                                                                                                                                                                                                                                        |  |
| Heating capacity                                       | *2, 3                        | kW                  | 63.0                                                                                                                                                                                                                                                          |  |
|                                                        |                              | BTU/h               | 215,000                                                                                                                                                                                                                                                       |  |
|                                                        | Power input                  | kW                  | 15.14                                                                                                                                                                                                                                                         |  |
|                                                        | Current input                | A                   | 25.5-24.2-23.4                                                                                                                                                                                                                                                |  |
|                                                        | COP                          | kW/kW               | 4.16                                                                                                                                                                                                                                                          |  |
| 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               |                     | 50~150%                                                                                                                                                                                                                                                       |  |
|                                                        | Model/Quantity               |                     | P10~P250/1~50                                                                                                                                                                                                                                                 |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                              | dB <A>              | 63.5/64.5                                                                                                                                                                                                                                                     |  |
| Sound power level (measured in anechoic room) *4       |                              | dB <A>              | 82/84                                                                                                                                                                                                                                                         |  |
| Refrigerant piping diameter                            | High pressure                | mm (in.)            | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |  |
|                                                        | Low pressure                 | mm (in.)            | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |  |
| FAN                                                    | Type x Quantity              |                     | Propeller fan x 2                                                                                                                                                                                                                                             |  |
|                                                        | Air flow rate                | m <sup>3</sup> /min | 295                                                                                                                                                                                                                                                           |  |
|                                                        |                              | L/s                 | 4,917                                                                                                                                                                                                                                                         |  |
|                                                        |                              | cfm                 | 10,416                                                                                                                                                                                                                                                        |  |
|                                                        | Control, Driving mechanism   |                     | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |  |
|                                                        | Motor output                 | kW                  | 0.92 x 2                                                                                                                                                                                                                                                      |  |
|                                                        | *6 External static press.    |                     | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                   |  |
| Compressor                                             | Type                         |                     | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |  |
|                                                        | Starting method              |                     | Inverter                                                                                                                                                                                                                                                      |  |
|                                                        | Motor output                 | kW                  | 13.8                                                                                                                                                                                                                                                          |  |
|                                                        | Case heater                  | kW                  | -                                                                                                                                                                                                                                                             |  |
|                                                        | Lubricant                    |                     | MEL32                                                                                                                                                                                                                                                         |  |
| External finish                                        |                              |                     | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |  |
| External dimension H x W x D                           |                              | mm                  | 1,858 (1,798 without legs) x 1,750 x 740                                                                                                                                                                                                                      |  |
|                                                        |                              | in.                 | 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16                                                                                                                                                                                                          |  |
| Protection devices                                     | High pressure protection     |                     | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |  |
|                                                        | Inverter circuit (COMP./FAN) |                     | Over-current protection                                                                                                                                                                                                                                       |  |
|                                                        | Compressor                   |                     | -                                                                                                                                                                                                                                                             |  |
|                                                        | Fan motor                    |                     | -                                                                                                                                                                                                                                                             |  |
| Refrigerant                                            | Type x original charge       |                     | R410A x 10.8 kg (24 lbs)                                                                                                                                                                                                                                      |  |
|                                                        | Control                      |                     | Indoor LEV and BC controller                                                                                                                                                                                                                                  |  |
| Net weight                                             |                              | kg (lbs)            | 346 (763)                                                                                                                                                                                                                                                     |  |
| Heat exchanger                                         |                              |                     | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |  |
| HIC circuit (HIC: Heat Inter-Changer)                  |                              |                     | -                                                                                                                                                                                                                                                             |  |
| Defrosting method                                      |                              |                     | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |  |
| Drawing                                                | External                     |                     | WKB94C1JZ                                                                                                                                                                                                                                                     |  |
|                                                        | Wiring                       |                     | WKE94L022                                                                                                                                                                                                                                                     |  |
| Standard attachment                                    | Document                     |                     | Installation Manual                                                                                                                                                                                                                                           |  |
|                                                        | Accessory                    |                     | -                                                                                                                                                                                                                                                             |  |
| Optional parts                                         |                              |                     | Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1                                                                                                                                                                                                                |  |
|                                                        |                              |                     | Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1                                                                                                                                                                                                    |  |
|                                                        |                              |                     | Sub BC controller: CMB-M104,108V-KB1                                                                                                                                                                                                                          |  |
| Remarks                                                |                              |                     | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |  |

|                                                                                                                                                                                                                                           |                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                    | Unit converter                                                          |
| 1.Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B./24°C.W.B. (95°F.D.B./75°F.W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      | BTU/h =kW x 3,412<br>cfm =m <sup>3</sup> /min x 35.31<br>lbs =kg/0.4536 |
| 2.Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |                                                                         |
| 3.In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |                                                                         |
| 4.Cooling mode/Heating mode                                                                                                                                                                                                               |                                                                         |
| 5.The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |                                                                         |
| 6.External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. | *Above specification data is subject to rounding variation.             |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

| Model                                                  |                |          | PURY-EP400YSNW-A1 (-BS)               |
|--------------------------------------------------------|----------------|----------|---------------------------------------|
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |
| Cooling capacity                                       | *1, 3          | kW       | 45.0                                  |
|                                                        |                | BTU/h    | 153,500                               |
|                                                        | Power input    | kW       | 11.13                                 |
|                                                        | Current input  | A        | 18.7-17.8-17.2                        |
|                                                        | EER            | kW/kW    | 4.04                                  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |
| Heating capacity                                       | *2, 3          | kW       | 50.0                                  |
|                                                        |                | BTU/h    | 170,600                               |
|                                                        | Power input    | kW       | 12.13                                 |
|                                                        | Current input  | A        | 20.4-19.4-18.7                        |
|                                                        | COP            | kW/kW    | 4.12                                  |
| 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 |          | 50~150% of outdoor unit capacity      |
|                                                        | Model/Quantity |          | P10~P250/1~40                         |
| Sound pressure level (measured in anechoic room) *4 *5 |                |          | 62.0/62.0                             |
| Sound power level (measured in anechoic room) *4       |                |          | 79/81                                 |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 22.2 (7/8) Brazed                     |
|                                                        | Low pressure   | mm (in.) | 28.58 (1-1/8) Brazed                  |

Set Model

| Model                                 |                              |                     | PURY-EP200YNW-A1 (-BS)                                                                                                                                                                                                                                        | PURY-EP200YNW-A1 (-BS)                                                                                    |
|---------------------------------------|------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| FAN                                   | Type x Quantity              |                     | Propeller fan x 1                                                                                                                                                                                                                                             | Propeller fan x 1                                                                                         |
|                                       | Air flow rate                | m <sup>3</sup> /min | 170                                                                                                                                                                                                                                                           | 170                                                                                                       |
|                                       |                              | L/s                 | 2,833                                                                                                                                                                                                                                                         | 2,833                                                                                                     |
|                                       |                              | cfm                 | 6,003                                                                                                                                                                                                                                                         | 6,003                                                                                                     |
|                                       | Control, Driving mechanism   |                     | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      | Inverter-control, Direct-driven by motor                                                                  |
|                                       | Motor output                 | kW                  | 0.92 x 1                                                                                                                                                                                                                                                      | 0.92 x 1                                                                                                  |
|                                       | *6 External static press.    |                     | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                   | 0 Pa (0 mmH <sub>2</sub> O)                                                                               |
| Compressor                            | Type                         |                     | Inverter scroll hermetic compressor                                                                                                                                                                                                                           | Inverter scroll hermetic compressor                                                                       |
|                                       | Starting method              |                     | Inverter                                                                                                                                                                                                                                                      | Inverter                                                                                                  |
|                                       | Motor output                 | kW                  | 3.6                                                                                                                                                                                                                                                           | 3.6                                                                                                       |
|                                       | Case heater                  | kW                  | -                                                                                                                                                                                                                                                             | -                                                                                                         |
|                                       | Lubricant                    |                     | MEL32                                                                                                                                                                                                                                                         | MEL32                                                                                                     |
| External finish                       |                              |                     | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>          |
| External dimension H x W x D          |                              |                     | mm<br>1,858 (1,798 without legs) x 920 x 740<br>in.<br>73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                     | mm<br>1,858 (1,798 without legs) x 920 x 740<br>in.<br>73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 |
| Protection devices                    | High pressure protection     |                     | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                          |
|                                       | Inverter circuit (COMP./FAN) |                     | Over-current protection                                                                                                                                                                                                                                       | Over-current protection                                                                                   |
|                                       | Compressor                   |                     | -                                                                                                                                                                                                                                                             | -                                                                                                         |
|                                       | Fan motor                    |                     | -                                                                                                                                                                                                                                                             | -                                                                                                         |
| Refrigerant                           | Type x original charge       |                     | R410A x 5.2 kg (12 lbs)                                                                                                                                                                                                                                       | R410A x 5.2 kg (12 lbs)                                                                                   |
|                                       | Control                      |                     | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                                                                                                           |
| Net weight                            |                              | kg (lbs)            | 219 (483)                                                                                                                                                                                                                                                     | 219 (483)                                                                                                 |
| Heat exchanger                        |                              |                     | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     | Salt-resistant cross fin & aluminium tube                                                                 |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                     | -                                                                                                                                                                                                                                                             | -                                                                                                         |
| Pipe between unit and distributor     | High pressure                | mm (in.)            | 15.88 (5/8) Brazed                                                                                                                                                                                                                                            | 15.88 (5/8) Brazed                                                                                        |
|                                       | Low pressure                 | mm (in.)            | 19.05 (3/4) Brazed                                                                                                                                                                                                                                            | 19.05 (3/4) Brazed                                                                                        |
| Defrosting method                     |                              |                     | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                                                                                                           |
| Drawing                               | External                     |                     | WKB94C1K0                                                                                                                                                                                                                                                     |                                                                                                           |
|                                       | Wiring                       |                     | WKE94L023                                                                                                                                                                                                                                                     | WKE94L023                                                                                                 |
| Standard attachment                   | Document                     |                     | Installation Manual                                                                                                                                                                                                                                           |                                                                                                           |
|                                       | Accessory                    |                     | -                                                                                                                                                                                                                                                             |                                                                                                           |
| Optional parts                        |                              |                     | Outdoor Twinning kit: CMY-R100VBK4<br>Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1<br>Main BC controller: CMB-M108, 1012, 1016V-JA1, CMB-P1016V-KA1<br>Sub BC controller: CMB-M104, 108V-KB1                                                              |                                                                                                           |
| Remarks                               |                              |                     | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                                                                                                           |

Notes:

- Nominal cooling conditions (subject to JIS B8615-1,-2)  
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-1,-2)  
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- In case of connecting PLFY-P\*\*VEM type indoor unit
- Cooling mode/Heating mode
- The sound pressure level measured by the conventional method in JIS for reference purpose.
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH<sub>2</sub>O, 6.1 mmH<sub>2</sub>O, 8.2 mmH<sub>2</sub>O).  
Consult your dealer about the specification when setting External static pressure option.

Unit converter

|       |                              |
|-------|------------------------------|
| BTU/h | =kW x 3,412                  |
| cfm   | =m <sup>3</sup> /min x 35.31 |
| lbs   | =kg/0.4536                   |

\*Above specification data is subject to rounding variation.

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP450YSNW-A1 (-BS)               |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 50.0                                  |  |
|                                                        |                | BTU/h    | 170,600                               |  |
|                                                        | Power input    | kW       | 12.62                                 |  |
|                                                        | Current input  | A        | 21.3-20.2-19.5                        |  |
|                                                        | EER            | kW/kW    | 3.96                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 56.0                                  |  |
|                                                        |                | BTU/h    | 191,100                               |  |
|                                                        | Power input    | kW       | 13.75                                 |  |
|                                                        | Current input  | A        | 23.2-22.0-21.2                        |  |
|                                                        | COP            | kW/kW    | 4.07                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/1~45                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                | dB <A>   | 63.0/63.5                             |  |
| Sound power level (measured in anechoic room) *4       |                | dB <A>   | 81/83                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 22.2 (7/8) Brazed                     |  |
|                                                        | Low pressure   | mm (in.) | 28.58 (1-1/8) Brazed                  |  |

| Set Model                             |                              |                        |                                                                                                                                                                                                                                                               |                             |                                                                                                  |                             |
|---------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|
| Model                                 |                              |                        | PURY-EP200YNW-A1 (-BS)                                                                                                                                                                                                                                        |                             | PURY-EP250YNW-A1 (-BS)                                                                           |                             |
| FAN                                   | Type x Quantity              |                        | Propeller fan x 1                                                                                                                                                                                                                                             |                             | Propeller fan x 1                                                                                |                             |
|                                       | Air flow rate                | m <sup>3</sup> /min    | 170                                                                                                                                                                                                                                                           |                             | 185                                                                                              |                             |
|                                       |                              | L/s                    | 2,833                                                                                                                                                                                                                                                         |                             | 3,083                                                                                            |                             |
|                                       |                              | cfm                    | 6,003                                                                                                                                                                                                                                                         |                             | 6,532                                                                                            |                             |
|                                       | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                             | Inverter-control, Direct-driven by motor                                                         |                             |
|                                       | Motor output                 | kW                     | 0.92 x 1                                                                                                                                                                                                                                                      |                             | 0.92 x 1                                                                                         |                             |
|                                       | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O) |                                                                                                  | 0 Pa (0 mmH <sub>2</sub> O) |
| Compressor                            | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                             | Inverter scroll hermetic compressor                                                              |                             |
|                                       | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      |                             | Inverter                                                                                         |                             |
|                                       | Motor output                 | kW                     | 3.6                                                                                                                                                                                                                                                           |                             | 5.5                                                                                              |                             |
|                                       | Case heater                  | kW                     | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         |                             | MEL32                                                                                            |                             |
| External finish                       |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                             | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                             |
| External dimension H x W x D          |                              | mm                     | 1,858 (1,798 without legs) x 920 x 740                                                                                                                                                                                                                        |                             | 1,858 (1,798 without legs) x 920 x 740                                                           |                             |
|                                       |                              | in.                    | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                                                                            |                             | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                               |                             |
| Protection devices                    | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                             | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |                             |
|                                       | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       |                             | Over-current protection                                                                          |                             |
|                                       | Compressor                   |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Fan motor                    |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Refrigerant                           | Type x original charge       |                        | R410A x 5.2 kg (12 lbs)                                                                                                                                                                                                                                       |                             | R410A x 5.2 kg (12 lbs)                                                                          |                             |
|                                       | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                             |                                                                                                  |                             |
| Net weight                            |                              | kg (lbs)               | 219 (483)                                                                                                                                                                                                                                                     |                             | 228 (503)                                                                                        |                             |
| Heat exchanger                        |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                             | Salt-resistant cross fin & aluminium tube                                                        |                             |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Pipe between unit and distributor     | High pressure                | mm (in.)               | 15.88 (5/8) Brazed                                                                                                                                                                                                                                            |                             | 19.05 (3/4) Brazed                                                                               |                             |
|                                       | Low pressure                 | mm (in.)               | 19.05 (3/4) Brazed                                                                                                                                                                                                                                            |                             | 22.2 (7/8) Brazed                                                                                |                             |
| Defrosting method                     |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                             |                                                                                                  |                             |
| Drawing                               | External                     |                        | WKB94C1K0                                                                                                                                                                                                                                                     |                             |                                                                                                  |                             |
|                                       | Wiring                       |                        | WKE94L023                                                                                                                                                                                                                                                     |                             | WKE94L023                                                                                        |                             |
| Standard attachment                   | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                             |                                                                                                  |                             |
|                                       | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                             |                                                                                                  |                             |
| Optional parts                        |                              |                        | Outdoor Twinning kit: CMY-R100VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                    |                             |                                                                                                  |                             |
| Remarks                               |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                             |                                                                                                  |                             |

|                                                                                                                                                                                                                                            |  |                |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter |                                                             |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h          | =kW x 3,412                                                 |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm            | =m³/min x 35.31                                             |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs            | =kg/0.4536                                                  |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                |                                                             |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                |                                                             |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  |                | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP500YSNW-A1 (-BS)               |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 56.0                                  |  |
|                                                        |                | BTU/h    | 191,100                               |  |
|                                                        | Power input    | kW       | 14.43                                 |  |
|                                                        | Current input  | A        | 24.3-23.1-22.3                        |  |
|                                                        | EER            | kW/kW    | 3.88                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 63.0                                  |  |
|                                                        |                | BTU/h    | 215,000                               |  |
|                                                        | Power input    | kW       | 15.63                                 |  |
|                                                        | Current input  | A        | 26.3-25.0-24.1                        |  |
|                                                        | COP            | kW/kW    | 4.03                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/1~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                |          | 63.5/64.0                             |  |
| Sound power level (measured in anechoic room) *4       |                |          | 81/83                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 22.2 (7/8) Brazed                     |  |
|                                                        | Low pressure   | mm (in.) | 28.58 (1-1/8) Brazed                  |  |

| Set Model                             |                              |                        |                                                                                                                                                                                                                                                               |                             |                                                                                                  |                             |
|---------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|
| Model                                 |                              |                        | PURY-EP250YNW-A1 (-BS)                                                                                                                                                                                                                                        |                             | PURY-EP250YNW-A1 (-BS)                                                                           |                             |
| FAN                                   | Type x Quantity              |                        | Propeller fan x 1                                                                                                                                                                                                                                             |                             | Propeller fan x 1                                                                                |                             |
|                                       | Air flow rate                | m <sup>3</sup> /min    | 185                                                                                                                                                                                                                                                           |                             | 185                                                                                              |                             |
|                                       |                              | L/s                    | 3,083                                                                                                                                                                                                                                                         |                             | 3,083                                                                                            |                             |
|                                       |                              | cfm                    | 6,532                                                                                                                                                                                                                                                         |                             | 6,532                                                                                            |                             |
|                                       | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                             | Inverter-control, Direct-driven by motor                                                         |                             |
|                                       | Motor output                 | kW                     | 0.92 x 1                                                                                                                                                                                                                                                      |                             | 0.92 x 1                                                                                         |                             |
|                                       | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O) |                                                                                                  | 0 Pa (0 mmH <sub>2</sub> O) |
| Compressor                            | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                             | Inverter scroll hermetic compressor                                                              |                             |
|                                       | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      |                             | Inverter                                                                                         |                             |
|                                       | Motor output                 | kW                     | 5.5                                                                                                                                                                                                                                                           |                             | 5.5                                                                                              |                             |
|                                       | Case heater                  | kW                     | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         |                             | MEL32                                                                                            |                             |
| External finish                       |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                             | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                             |
| External dimension H x W x D          |                              | mm                     | 1,858 (1,798 without legs) x 920 x 740                                                                                                                                                                                                                        |                             | 1,858 (1,798 without legs) x 920 x 740                                                           |                             |
|                                       |                              | in.                    | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                                                                            |                             | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                               |                             |
| Protection devices                    | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                             | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |                             |
|                                       | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       |                             | Over-current protection                                                                          |                             |
|                                       | Compressor                   |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Fan motor                    |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Refrigerant                           | Type x original charge       |                        | R410A x 5.2 kg (12 lbs)                                                                                                                                                                                                                                       |                             | R410A x 5.2 kg (12 lbs)                                                                          |                             |
|                                       | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                             |                                                                                                  |                             |
| Net weight                            |                              | kg (lbs)               | 228 (503)                                                                                                                                                                                                                                                     |                             | 228 (503)                                                                                        |                             |
| Heat exchanger                        |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                             | Salt-resistant cross fin & aluminium tube                                                        |                             |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Pipe between unit and distributor     | High pressure                | mm (in.)               | 19.05 (3/4) Brazed                                                                                                                                                                                                                                            |                             | 19.05 (3/4) Brazed                                                                               |                             |
|                                       | Low pressure                 | mm (in.)               | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |                             | 22.2 (7/8) Brazed                                                                                |                             |
| Defrosting method                     |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                             |                                                                                                  |                             |
| Drawing                               | External                     |                        | WKB94C1K0                                                                                                                                                                                                                                                     |                             |                                                                                                  |                             |
|                                       | Wiring                       |                        | WKE94L023                                                                                                                                                                                                                                                     |                             | WKE94L023                                                                                        |                             |
| Standard attachment                   | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                             |                                                                                                  |                             |
|                                       | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                             |                                                                                                  |                             |
| Optional parts                        |                              |                        | Outdoor Twinning kit: CMY-R100VBK4<br>Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1<br>Main BC controller: CMB-M108, 1012, 1016V-JA1, CMB-P1016V-KA1<br>Sub BC controller: CMB-M104, 108V-KB1                                                              |                             |                                                                                                  |                             |
| Remarks                               |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                             |                                                                                                  |                             |

|                                                                                                                                                                                                                                            |  |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h = kW x 3,412                                          |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm = m <sup>3</sup> /min x 35.31                           |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs = kg/0.4536                                             |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                                                         |  |
|--------------------------------------------------------|----------------|----------|-------------------------------------------------------------------------|--|
| Model                                                  |                |          | PURY-EP550YSNW-A1 (-BS)                                                 |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz                                   |  |
| Cooling capacity                                       | *1, 3          | kW       | 63.0                                                                    |  |
|                                                        |                | BTU/h    | 215,000                                                                 |  |
|                                                        | Power input    | kW       | 16.80                                                                   |  |
|                                                        | Current input  | A        | 28.3-26.9-25.9                                                          |  |
|                                                        | EER            | kW/kW    | 3.75                                                                    |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                                                   |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                                                  |  |
| Heating capacity                                       | *2, 3          | kW       | 69.0                                                                    |  |
|                                                        |                | BTU/h    | 235,400                                                                 |  |
|                                                        | Power input    | kW       | 17.96                                                                   |  |
|                                                        | Current input  | A        | 30.3-28.8-27.7                                                          |  |
|                                                        | COP            | kW/kW    | 3.84                                                                    |  |
| 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 |          | 50~150% of outdoor unit capacity                                        |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                                                           |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                | dB <A>   | 64.0/68.0                                                               |  |
| Sound power level (measured in anechoic room) *4       |                | dB <A>   | 83/87                                                                   |  |
| Refrigerant                                            | High pressure  | mm (in.) | 22.2 (7/8) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m) |  |
| piping diameter                                        | Low pressure   | mm (in.) | 28.58 (1-1/8) Brazed                                                    |  |

Set Model

| Model                                 |                              |          | PURY-EP250YNW-A1 (-BS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | PURY-EP300YNW-A1 (-BS)                                                                           |  |
|---------------------------------------|------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|
| FAN                                   | Type x Quantity              |          | Propeller fan x 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Propeller fan x 1                                                                                |  |
|                                       | Air flow rate                | m³/min   | 185                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 240                                                                                              |  |
|                                       |                              | L/s      | 3,083                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 4,000                                                                                            |  |
|                                       |                              | cfm      | 6,532                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 8,474                                                                                            |  |
|                                       | Control, Driving mechanism   |          | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Inverter-control, Direct-driven by motor                                                         |  |
|                                       | Motor output                 | kW       | 0.92 x 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 0.92 x 1                                                                                         |  |
|                                       | *6 External static press.    |          | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 0 Pa (0 mmH <sub>2</sub> O)                                                                      |  |
| Compressor                            | Type                         |          | Inverter scroll hermetic compressor                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Inverter scroll hermetic compressor                                                              |  |
|                                       | Starting method              |          | Inverter                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Inverter                                                                                         |  |
|                                       | Motor output                 | kW       | 5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 7.3                                                                                              |  |
|                                       | Case heater                  | kW       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | -                                                                                                |  |
|                                       | Lubricant                    |          | MEL32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | MEL32                                                                                            |  |
| External finish                       |                              |          | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                                                                                                                                                                                                                                                      |  | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |  |
| External dimension H x W x D          |                              | mm       | 1,858 (1,798 without legs) x 920 x 740                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 1,858 (1,798 without legs) x 920 x 740                                                           |  |
|                                       |                              | in.      | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                               |  |
| Protection devices                    | High pressure protection     |          | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                                                                                                                                                                                                                                                      |  | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |  |
|                                       | Inverter circuit (COMP./FAN) |          | Over-current protection                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Over-current protection                                                                          |  |
|                                       | Compressor                   |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | -                                                                                                |  |
|                                       | Fan motor                    |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | -                                                                                                |  |
| Refrigerant                           | Type x original charge       |          | R410A x 5.2 kg (12 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | R410A x 5.2 kg (12 lbs)                                                                          |  |
|                                       | Control                      |          | Indoor LEV and BC controller                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                  |  |
| Net weight                            |                              | kg (lbs) | 228 (503)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 230 (508)                                                                                        |  |
| Heat exchanger                        |                              |          | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Salt-resistant cross fin & aluminium tube                                                        |  |
| HIC circuit (HIC: Heat Inter-Changer) |                              |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | -                                                                                                |  |
| Pipe between unit and distributor     | High pressure                | mm (in.) | 19.05 (3/4) Brazed                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 19.05 (3/4) Brazed                                                                               |  |
|                                       | Low pressure                 | mm (in.) | 22.2 (7/8) Brazed                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 22.2 (7/8) Brazed                                                                                |  |
| Defrosting method                     |                              |          | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                  |  |
| Drawing                               | External                     |          | WKB94C1K0                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                  |  |
|                                       | Wiring                       |          | WKE94L023                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | WKE94L023                                                                                        |  |
| Standard attachment                   | Document                     |          | Installation Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                  |  |
|                                       | Accessory                    |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                  |  |
| Optional parts                        |                              |          | Outdoor Twinning kit: CMY-R100VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                                                                                                                                                                                                                                            |  |                                                                                                  |  |
| Remarks                               |                              |          | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice.<br>When the high pressure piping length is 65 m or less, use 7/8 (22.2) pipe. When the high pressure piping length exceeds 65 m, use 7/8 (22.2) pipe until 65 m, use 1-1/8 (28.58) pipe for the part that exceeds 65 m. |  |                                                                                                  |  |

|                                                                                                                                                                                                                                           |  |                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                    |  | Unit converter                                              |
| 1.Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h =kW x 3,412                                           |
| 2.Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm =m <sup>3</sup> /min x 35.31                            |
| 3.In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs =kg/0.4536                                              |
| 4.Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |
| 5.The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |
| 6.External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                                                         |  |
|--------------------------------------------------------|----------------|----------|-------------------------------------------------------------------------|--|
| Model                                                  |                |          | PURY-EP600YSNW-A1 (-BS)                                                 |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz                                   |  |
| Cooling capacity                                       | *1, 3          | kW       | 69.0                                                                    |  |
|                                                        |                | BTU/h    | 235,400                                                                 |  |
|                                                        | Power input    | kW       | 19.06                                                                   |  |
|                                                        | Current input  | A        | 32.1-30.5-29.4                                                          |  |
|                                                        | EER            | kW/kW    | 3.62                                                                    |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                                                   |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                                                  |  |
| Heating capacity                                       | *2, 3          | kW       | 76.5                                                                    |  |
|                                                        |                | BTU/h    | 261,000                                                                 |  |
|                                                        | Power input    | kW       | 20.90                                                                   |  |
|                                                        | Current input  | A        | 35.2-33.5-32.3                                                          |  |
|                                                        | COP            | kW/kW    | 3.66                                                                    |  |
| 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 |          | 50~150% of outdoor unit capacity                                        |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                                                           |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                | dB <A>   | 64.0/70.0                                                               |  |
| Sound power level (measured in anechoic room) *4       |                | dB <A>   | 83/89                                                                   |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 22.2 (7/8) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m) |  |
|                                                        | Low pressure   | mm (in.) | 28.58 (1-1/8) Brazed                                                    |  |

| Set Model                             |                              |                     | PURY-EP300YNW-A1 (-BS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | PURY-EP300YNW-A1 (-BS)                                                                           |  |
|---------------------------------------|------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|
| Model                                 |                              |                     | Propeller fan x 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Propeller fan x 1                                                                                |  |
| FAN                                   | Type x Quantity              |                     | 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 240                                                                                              |  |
|                                       | Air flow rate                | m <sup>3</sup> /min | 4,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 4,000                                                                                            |  |
|                                       |                              | L/s                 | 8,474                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 8,474                                                                                            |  |
|                                       |                              | cfm                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                  |  |
|                                       | Control, Driving mechanism   |                     | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Inverter-control, Direct-driven by motor                                                         |  |
|                                       | Motor output                 | kW                  | 0.92 x 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 0.92 x 1                                                                                         |  |
| *6                                    | External static press.       |                     | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 0 Pa (0 mmH <sub>2</sub> O)                                                                      |  |
| Compressor                            | Type                         |                     | Inverter scroll hermetic compressor                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Inverter scroll hermetic compressor                                                              |  |
|                                       | Starting method              |                     | Inverter                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Inverter                                                                                         |  |
|                                       | Motor output                 | kW                  | 7.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 7.3                                                                                              |  |
|                                       | Case heater                  | kW                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | -                                                                                                |  |
|                                       | Lubricant                    |                     | MEL32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | MEL32                                                                                            |  |
| External finish                       |                              |                     | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                                                                                                                                                                                                                                                      |  | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |  |
| External dimension H x W x D          |                              | mm                  | 1,858 (1,798 without legs) x 920 x 740                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 1,858 (1,798 without legs) x 920 x 740                                                           |  |
|                                       |                              | in.                 | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                               |  |
| Protection devices                    | High pressure protection     |                     | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                                                                                                                                                                                                                                                      |  | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |  |
|                                       | Inverter circuit (COMP./FAN) |                     | Over-current protection                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Over-current protection                                                                          |  |
|                                       | Compressor                   |                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | -                                                                                                |  |
|                                       | Fan motor                    |                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | -                                                                                                |  |
| Refrigerant                           | Type x original charge       |                     | R410A x 5.2 kg (12 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | R410A x 5.2 kg (12 lbs)                                                                          |  |
|                                       | Control                      |                     | Indoor LEV and BC controller                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                  |  |
| Net weight                            |                              | kg (lbs)            | 230 (508)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 230 (508)                                                                                        |  |
| Heat exchanger                        |                              |                     | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Salt-resistant cross fin & aluminium tube                                                        |  |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | -                                                                                                |  |
| Pipe between unit and distributor     | High pressure                | mm (in.)            | 19.05 (3/4) Brazed                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 19.05 (3/4) Brazed                                                                               |  |
|                                       | Low pressure                 | mm (in.)            | 22.2 (7/8) Brazed                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 22.2 (7/8) Brazed                                                                                |  |
| Defrosting method                     |                              |                     | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                  |  |
| Drawing                               | External                     |                     | WKB94C1K0                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                  |  |
|                                       | Wiring                       |                     | WKE94L023                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | WKE94L023                                                                                        |  |
| Standard attachment                   | Document                     |                     | Installation Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                  |  |
|                                       | Accessory                    |                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                  |  |
| Optional parts                        |                              |                     | Outdoor Twinning kit: CMY-R100VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                                                                                                                                                                                                                                            |  |                                                                                                  |  |
| Remarks                               |                              |                     | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice.<br>When the high pressure piping length is 65 m or less, use 7/8 (22.2) pipe. When the high pressure piping length exceeds 65 m, use 7/8 (22.2) pipe until 65 m, use 1-1/8 (28.58) pipe for the part that exceeds 65 m. |  |                                                                                                  |  |

|                                                                                                                                                                                                                                       |  |                                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|
| Notes:                                                                                                                                                                                                                                |  | Unit converter                                              |  |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) |  | BTU/h = kW x 3,412                                          |  |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                       |  | cfm = m³/min x 35.31                                        |  |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                 |  | lbs = kg/0.4536                                             |  |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                          |  |                                                             |  |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                         |  |                                                             |  |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).                                                                                         |  |                                                             |  |
| Consult your dealer about the specification when setting External static pressure option.                                                                                                                                             |  | *Above specification data is subject to rounding variation. |  |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP650YSNW-A1 (-BS)               |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 73.0                                  |  |
|                                                        |                | BTU/h    | 249,100                               |  |
|                                                        | Power input    | kW       | 19.94                                 |  |
|                                                        | Current input  | A        | 33.6-31.9-30.8                        |  |
|                                                        | EER            | kW/kW    | 3.66                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 81.5                                  |  |
|                                                        |                | BTU/h    | 278,100                               |  |
|                                                        | Power input    | kW       | 21.96                                 |  |
|                                                        | Current input  | A        | 37.0-35.2-33.9                        |  |
|                                                        | COP            | kW/kW    | 3.71                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                | dB <A>   | 65.0/69.0                             |  |
| Sound power level (measured in anechoic room) *4       |                | dB <A>   | 84/88                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 28.58 (1-1/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 28.58 (1-1/8) Brazed                  |  |

Set Model

| Model                                 |                              |          | PURY-EP300YNW-A1 (-BS)                                                                                                                                                                                                                                        |  | PURY-EP350YNW-A1 (-BS)                                                                           |  |
|---------------------------------------|------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|
| FAN                                   | Type x Quantity              |          | Propeller fan x 1                                                                                                                                                                                                                                             |  | Propeller fan x 2                                                                                |  |
|                                       | Air flow rate                | m³/min   | 240                                                                                                                                                                                                                                                           |  | 250                                                                                              |  |
|                                       |                              | L/s      | 4,000                                                                                                                                                                                                                                                         |  | 4,167                                                                                            |  |
|                                       |                              | cfm      | 8,474                                                                                                                                                                                                                                                         |  | 8,828                                                                                            |  |
|                                       | Control, Driving mechanism   |          | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |  | Inverter-control, Direct-driven by motor                                                         |  |
|                                       | Motor output                 | kW       | 0.92 x 1                                                                                                                                                                                                                                                      |  | 0.46 x 2                                                                                         |  |
| *6                                    | External static press.       |          | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                   |  | 0 Pa (0 mmH <sub>2</sub> O)                                                                      |  |
| Compressor                            | Type                         |          | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |  | Inverter scroll hermetic compressor                                                              |  |
|                                       | Starting method              |          | Inverter                                                                                                                                                                                                                                                      |  | Inverter                                                                                         |  |
|                                       | Motor output                 | kW       | 7.3                                                                                                                                                                                                                                                           |  | 8.7                                                                                              |  |
|                                       | Case heater                  | kW       | -                                                                                                                                                                                                                                                             |  | -                                                                                                |  |
|                                       | Lubricant                    |          | MEL32                                                                                                                                                                                                                                                         |  | MEL32                                                                                            |  |
| External finish                       |                              |          | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |  | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |  |
| External dimension H x W x D          |                              | mm       | 1,858 (1,798 without legs) x 920 x 740                                                                                                                                                                                                                        |  | 1,858 (1,798 without legs) x 1,240 x 740                                                         |  |
|                                       |                              | in.      | 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16                                                                                                                                                                                                            |  | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                               |  |
| Protection devices                    | High pressure protection     |          | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |  | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |  |
|                                       | Inverter circuit (COMP./FAN) |          | Over-current protection                                                                                                                                                                                                                                       |  | Over-current protection                                                                          |  |
|                                       | Compressor                   |          | -                                                                                                                                                                                                                                                             |  | -                                                                                                |  |
|                                       | Fan motor                    |          | -                                                                                                                                                                                                                                                             |  | -                                                                                                |  |
| Refrigerant                           | Type x original charge       |          | R410A x 5.2 kg (12 lbs)                                                                                                                                                                                                                                       |  | R410A x 8.0 kg (18 lbs)                                                                          |  |
|                                       | Control                      |          | Indoor LEV and BC controller                                                                                                                                                                                                                                  |  |                                                                                                  |  |
| Net weight                            |                              | kg (lbs) | 230 (508)                                                                                                                                                                                                                                                     |  | 275 (607)                                                                                        |  |
| Heat exchanger                        |                              |          | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |  | Salt-resistant cross fin & aluminium tube                                                        |  |
| HIC circuit (HIC: Heat Inter-Changer) |                              |          | -                                                                                                                                                                                                                                                             |  | -                                                                                                |  |
| Pipe between unit and distributor     | High pressure                | mm (in.) | 19.05 (3/4) Brazed                                                                                                                                                                                                                                            |  | 19.05 (3/4) Brazed                                                                               |  |
|                                       | Low pressure                 | mm (in.) | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |  | 28.58 (1-1/8) Brazed                                                                             |  |
| Defrosting method                     |                              |          | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |  |                                                                                                  |  |
| Drawing                               | External                     |          | WKB94C1K1                                                                                                                                                                                                                                                     |  |                                                                                                  |  |
|                                       | Wiring                       |          | WKE94L023                                                                                                                                                                                                                                                     |  | WKE94L024                                                                                        |  |
| Standard attachment                   | Document                     |          | Installation Manual                                                                                                                                                                                                                                           |  |                                                                                                  |  |
|                                       | Accessory                    |          | -                                                                                                                                                                                                                                                             |  |                                                                                                  |  |
| Optional parts                        |                              |          | Outdoor Twinning kit: CMY-R100VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-M108, 1012, 1016V-JA1, CMB-P1016V-KA1<br>Sub BC controller: CMB-M104, 108V-KB1                                                                |  |                                                                                                  |  |
| Remarks                               |                              |          | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |  |                                                                                                  |  |

|                                                                                                                                                                                                                                            |  |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h =kW x 3,412                                           |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm =m <sup>3</sup> /min x 35.31                            |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs =kg/0.4536                                              |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP700YSNW-A1 (-BS)               |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 80.0                                  |  |
|                                                        |                | BTU/h    | 273,000                               |  |
|                                                        | Power input    | kW       | 21.62                                 |  |
|                                                        | Current input  | A        | 36.4-34.6-33.4                        |  |
|                                                        | EER            | kW/kW    | 3.70                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 88.0                                  |  |
|                                                        |                | BTU/h    | 300,300                               |  |
|                                                        | Power input    | kW       | 23.40                                 |  |
|                                                        | Current input  | A        | 39.5-37.5-36.1                        |  |
|                                                        | COP            | kW/kW    | 3.76                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                |          | 65.5/67.0                             |  |
| Sound power level (measured in anechoic room) *4       |                |          | 84/86                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 28.58 (1-1/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 34.93 (1-3/8) Brazed                  |  |

| Set Model                             |                              |                        | PURY-EP350YNW-A1 (-BS)                                                                                                                                                                                                                                        |                             | PURY-EP350YNW-A1 (-BS)                                                                           |                             |
|---------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|
| Model                                 |                              |                        |                                                                                                                                                                                                                                                               |                             |                                                                                                  |                             |
| FAN                                   | Type x Quantity              |                        | Propeller fan x 2                                                                                                                                                                                                                                             |                             | Propeller fan x 2                                                                                |                             |
|                                       | Air flow rate                | m <sup>3</sup> /min    | 250                                                                                                                                                                                                                                                           |                             | 250                                                                                              |                             |
|                                       |                              | L/s                    | 4,167                                                                                                                                                                                                                                                         |                             | 4,167                                                                                            |                             |
|                                       |                              | cfm                    | 8,828                                                                                                                                                                                                                                                         |                             | 8,828                                                                                            |                             |
|                                       | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                             | Inverter-control, Direct-driven by motor                                                         |                             |
|                                       | Motor output                 | kW                     | 0.46 x 2                                                                                                                                                                                                                                                      |                             | 0.46 x 2                                                                                         |                             |
|                                       | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O) |                                                                                                  | 0 Pa (0 mmH <sub>2</sub> O) |
| Compressor                            | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                             | Inverter scroll hermetic compressor                                                              |                             |
|                                       | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      |                             | Inverter                                                                                         |                             |
|                                       | Motor output                 | kW                     | 8.7                                                                                                                                                                                                                                                           |                             | 8.7                                                                                              |                             |
|                                       | Case heater                  | kW                     | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         |                             | MEL32                                                                                            |                             |
| External finish                       |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                             | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                             |
| External dimension H x W x D          |                              | mm                     | 1,858 (1,798 without legs) x 1,240 x 740                                                                                                                                                                                                                      |                             | 1,858 (1,798 without legs) x 1,240 x 740                                                         |                             |
|                                       |                              | in.                    | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                                                                                                                                                                                            |                             | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                               |                             |
| Protection devices                    | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                             | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |                             |
|                                       | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       |                             | Over-current protection                                                                          |                             |
|                                       | Compressor                   |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Fan motor                    |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Refrigerant                           | Type x original charge       |                        | R410A x 8.0 kg (18 lbs)                                                                                                                                                                                                                                       |                             | R410A x 8.0 kg (18 lbs)                                                                          |                             |
|                                       | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                             |                                                                                                  |                             |
| Net weight                            | kg (lbs)                     | 275 (607)              |                                                                                                                                                                                                                                                               | 275 (607)                   |                                                                                                  |                             |
| Heat exchanger                        |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                             | Salt-resistant cross fin & aluminium tube                                                        |                             |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Pipe between unit and distributor     | High pressure                | mm (in.)               | 19.05 (3/4) Brazed                                                                                                                                                                                                                                            |                             | 19.05 (3/4) Brazed                                                                               |                             |
|                                       | Low pressure                 | mm (in.)               | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |                             | 28.58 (1-1/8) Brazed                                                                             |                             |
| Defrosting method                     |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                             |                                                                                                  |                             |
| Drawing                               | External                     |                        | WKB94C1K2                                                                                                                                                                                                                                                     |                             |                                                                                                  |                             |
|                                       | Wiring                       |                        | WKE94L024                                                                                                                                                                                                                                                     |                             | WKE94L024                                                                                        |                             |
| Standard attachment                   | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                             |                                                                                                  |                             |
|                                       | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                             |                                                                                                  |                             |
| Optional parts                        |                              |                        | Outdoor Twinning kit: CMY-R200VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                    |                             |                                                                                                  |                             |
| Remarks                               |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                             |                                                                                                  |                             |

|                                                                                                                                                                                                                                            |  |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h = kW x 3,412                                          |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm = m³/min x 35.31                                        |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs = kg/0.4536                                             |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP750YSNW-A1 (-BS)               |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 85.0                                  |  |
|                                                        |                | BTU/h    | 290,000                               |  |
|                                                        | Power input    | kW       | 23.94                                 |  |
|                                                        | Current input  | A        | 40.4-38.3-37.0                        |  |
|                                                        | EER            | kW/kW    | 3.55                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 95.0                                  |  |
|                                                        |                | BTU/h    | 324,100                               |  |
|                                                        | Power input    | kW       | 25.60                                 |  |
|                                                        | Current input  | A        | 43.2-41.0-39.5                        |  |
|                                                        | COP            | kW/kW    | 3.71                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                | dB <A>   | 67.0/70.5                             |  |
| Sound power level (measured in anechoic room) *4       |                | dB <A>   | 86/90                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 28.58 (1-1/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 34.93 (1-3/8) Brazed                  |  |

| Set Model                             |                              |                        |                                                                                                                                                                                                                                                               |                             |                                                                                                  |                             |
|---------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|
| Model                                 |                              |                        | PURY-EP350YNW-A1 (-BS)                                                                                                                                                                                                                                        |                             | PURY-EP400YNW-A1 (-BS)                                                                           |                             |
| FAN                                   | Type x Quantity              |                        | Propeller fan x 2                                                                                                                                                                                                                                             |                             | Propeller fan x 2                                                                                |                             |
|                                       | Air flow rate                | m <sup>3</sup> /min    | 250                                                                                                                                                                                                                                                           |                             | 315                                                                                              |                             |
|                                       |                              | L/s                    | 4,167                                                                                                                                                                                                                                                         |                             | 5,250                                                                                            |                             |
|                                       |                              | cfm                    | 8,828                                                                                                                                                                                                                                                         |                             | 11,123                                                                                           |                             |
|                                       | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                             | Inverter-control, Direct-driven by motor                                                         |                             |
|                                       | Motor output                 | kW                     | 0.46 x 2                                                                                                                                                                                                                                                      |                             | 0.46 x 2                                                                                         |                             |
|                                       | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O) |                                                                                                  | 0 Pa (0 mmH <sub>2</sub> O) |
| Compressor                            | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                             | Inverter scroll hermetic compressor                                                              |                             |
|                                       | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      |                             | Inverter                                                                                         |                             |
|                                       | Motor output                 | kW                     | 8.7                                                                                                                                                                                                                                                           |                             | 10.8                                                                                             |                             |
|                                       | Case heater                  | kW                     | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         |                             | MEL32                                                                                            |                             |
| External finish                       |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                             | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                             |
| External dimension H x W x D          |                              | mm                     | 1,858 (1,798 without legs) x 1,240 x 740                                                                                                                                                                                                                      |                             | 1,858 (1,798 without legs) x 1,240 x 740                                                         |                             |
|                                       |                              | in.                    | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                                                                                                                                                                                            |                             | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                               |                             |
| Protection devices                    | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                             | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |                             |
|                                       | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       |                             | Over-current protection                                                                          |                             |
|                                       | Compressor                   |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Fan motor                    |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Refrigerant                           | Type x original charge       |                        | R410A x 8.0 kg (18 lbs)                                                                                                                                                                                                                                       |                             | R410A x 8.0 kg (18 lbs)                                                                          |                             |
|                                       | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                             |                                                                                                  |                             |
| Net weight                            |                              | kg (lbs)               | 275 (607)                                                                                                                                                                                                                                                     |                             | 276 (609)                                                                                        |                             |
| Heat exchanger                        |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                             | Salt-resistant cross fin & aluminium tube                                                        |                             |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Pipe between unit and distributor     | High pressure                | mm (in.)               | 19.05 (3/4) Brazed                                                                                                                                                                                                                                            |                             | 22.2 (7/8) Brazed                                                                                |                             |
|                                       | Low pressure                 | mm (in.)               | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |                             | 28.58 (1-1/8) Brazed                                                                             |                             |
| Defrosting method                     |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                             |                                                                                                  |                             |
| Drawing                               | External                     |                        | WKB94C1K2                                                                                                                                                                                                                                                     |                             |                                                                                                  |                             |
|                                       | Wiring                       |                        | WKE94L024                                                                                                                                                                                                                                                     |                             | WKE94L024                                                                                        |                             |
| Standard attachment                   | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                             |                                                                                                  |                             |
|                                       | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                             |                                                                                                  |                             |
| Optional parts                        |                              |                        | Outdoor Twinning kit: CMY-R200VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                    |                             |                                                                                                  |                             |
| Remarks                               |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                             |                                                                                                  |                             |

|                                                                                                                                                                                                                                            |  |                                                             |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |  |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h =kW x 3,412                                           |  |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm =m <sup>3</sup> /min x 35.31                            |  |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs =kg/0.4536                                              |  |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |  |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |  |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |  |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP800YSNW-A1 (-BS)               |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 90.0                                  |  |
|                                                        |                | BTU/h    | 307,100                               |  |
|                                                        | Power input    | kW       | 26.47                                 |  |
|                                                        | Current input  | A        | 44.6-42.4-40.9                        |  |
|                                                        | EER            | kW/kW    | 3.40                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 100.0                                 |  |
|                                                        |                | BTU/h    | 341,200                               |  |
|                                                        | Power input    | kW       | 27.32                                 |  |
|                                                        | Current input  | A        | 46.1-43.8-42.2                        |  |
|                                                        | COP            | kW/kW    | 3.66                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                |          | 68.0/72.0                             |  |
| Sound power level (measured in anechoic room) *4       |                |          | 86/91                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 28.58 (1-1/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 34.93 (1-3/8) Brazed                  |  |

Set Model

| Model           |                            |                     | PURY-EP400YNW-A1 (-BS)                                                |  | PURY-EP400YNW-A1 (-BS)                   |  |
|-----------------|----------------------------|---------------------|-----------------------------------------------------------------------|--|------------------------------------------|--|
| FAN             | Type x Quantity            |                     | Propeller fan x 2                                                     |  | Propeller fan x 2                        |  |
|                 | Air flow rate              | m <sup>3</sup> /min | 315                                                                   |  | 315                                      |  |
|                 |                            | L/s                 | 5,250                                                                 |  | 5,250                                    |  |
|                 |                            | cfm                 | 11,123                                                                |  | 11,123                                   |  |
|                 | Control, Driving mechanism |                     | Inverter-control, Direct-driven by motor                              |  | Inverter-control, Direct-driven by motor |  |
|                 | Motor output               | kW                  | 0.46 x 2                                                              |  | 0.46 x 2                                 |  |
| *6              | External static press.     |                     | 0 Pa (0 mmH <sub>2</sub> O)                                           |  | 0 Pa (0 mmH <sub>2</sub> O)              |  |
| Compressor      | Type                       |                     | Inverter scroll hermetic compressor                                   |  | Inverter scroll hermetic compressor      |  |
|                 | Starting method            |                     | Inverter                                                              |  | Inverter                                 |  |
|                 | Motor output               | kW                  | 10.8                                                                  |  | 10.8                                     |  |
|                 | Case heater                | kW                  | -                                                                     |  | -                                        |  |
|                 | Lubricant                  |                     | MEL32                                                                 |  | MEL32                                    |  |
| External finish |                            |                     | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br> |  |                                          |  |

Notes:

- Nominal cooling conditions (subject to JIS B8615-1,-2)  
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-1,-2)  
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- In case of connecting PLFY-P\*\*VEM type indoor unit
- Cooling mode/Heating mode
- The sound pressure level measured by the conventional method in JIS for reference purpose.
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH<sub>2</sub>O, 6.1 mmH<sub>2</sub>O, 8.2 mmH<sub>2</sub>O).  
Consult your dealer about the specification when setting External static pressure option.

Unit converter

|       |                              |
|-------|------------------------------|
| BTU/h | =kW x 3,412                  |
| cfm   | =m <sup>3</sup> /min x 35.31 |
| lbs   | =kg/0.4536                   |

\*Above specification data is subject to rounding variation.

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP850YSNW-A1 (-BS)               |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 96.0                                  |  |
|                                                        |                | BTU/h    | 327,600                               |  |
|                                                        | Power input    | kW       | 27.50                                 |  |
|                                                        | Current input  | A        | 46.4-44.1-42.5                        |  |
|                                                        | EER            | kW/kW    | 3.49                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 108.0                                 |  |
|                                                        |                | BTU/h    | 368,500                               |  |
|                                                        | Power input    | kW       | 30.50                                 |  |
|                                                        | Current input  | A        | 51.4-48.9-47.1                        |  |
|                                                        | COP            | kW/kW    | 3.54                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                | dB <A>   | 68.5/72.5                             |  |
| Sound power level (measured in anechoic room) *4       |                | dB <A>   | 86/92                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 28.58 (1-1/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 41.28 (1-5/8) Brazed                  |  |

| Set Model                             |                              |                        |                                                                                                                                                                                                                                                               |                                                    |           |                                                                                                  |                                                    |  |  |
|---------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------|----------------------------------------------------|--|--|
| Model                                 |                              |                        | PURY-EP400YNW-A1 (-BS)                                                                                                                                                                                                                                        |                                                    |           | PURY-EP450YNW-A1 (-BS)                                                                           |                                                    |  |  |
| FAN                                   | Type x Quantity              |                        | Propeller fan x 2                                                                                                                                                                                                                                             |                                                    |           | Propeller fan x 2                                                                                |                                                    |  |  |
|                                       | Air flow rate                |                        | m <sup>3</sup> /min                                                                                                                                                                                                                                           | 315                                                |           |                                                                                                  | 315                                                |  |  |
|                                       |                              |                        | L/s                                                                                                                                                                                                                                                           | 5,250                                              |           |                                                                                                  | 5,250                                              |  |  |
|                                       |                              |                        | cfm                                                                                                                                                                                                                                                           | 11,123                                             |           |                                                                                                  | 11,123                                             |  |  |
|                                       | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                                                    |           | Inverter-control, Direct-driven by motor                                                         |                                                    |  |  |
|                                       | Motor output                 |                        | kW                                                                                                                                                                                                                                                            | 0.46 x 2                                           |           |                                                                                                  | 0.46 x 2                                           |  |  |
|                                       | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O)                        |           |                                                                                                  | 0 Pa (0 mmH <sub>2</sub> O)                        |  |  |
| Compressor                            | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                                                    |           | Inverter scroll hermetic compressor                                                              |                                                    |  |  |
|                                       | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      |                                                    |           | Inverter                                                                                         |                                                    |  |  |
|                                       | Motor output                 |                        | kW                                                                                                                                                                                                                                                            | 10.8                                               |           |                                                                                                  | 11.7                                               |  |  |
|                                       | Case heater                  |                        | kW                                                                                                                                                                                                                                                            | -                                                  |           |                                                                                                  | -                                                  |  |  |
|                                       | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         |                                                    |           | MEL32                                                                                            |                                                    |  |  |
| External finish                       |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                                                    |           | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                                                    |  |  |
| External dimension H x W x D          |                              |                        | mm                                                                                                                                                                                                                                                            | 1,858 (1,798 without legs) x 1,240 x 740           |           |                                                                                                  | 1,858 (1,798 without legs) x 1,240 x 740           |  |  |
|                                       |                              |                        | in.                                                                                                                                                                                                                                                           | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 |           |                                                                                                  | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 |  |  |
| Protection devices                    | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                                                    |           | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |                                                    |  |  |
|                                       | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       |                                                    |           | Over-current protection                                                                          |                                                    |  |  |
|                                       | Compressor                   |                        | -                                                                                                                                                                                                                                                             |                                                    |           | -                                                                                                |                                                    |  |  |
|                                       | Fan motor                    |                        | -                                                                                                                                                                                                                                                             |                                                    |           | -                                                                                                |                                                    |  |  |
| Refrigerant                           | Type x original charge       |                        | R410A x 8.0 kg (18 lbs)                                                                                                                                                                                                                                       |                                                    |           | R410A x 10.8 kg (24 lbs)                                                                         |                                                    |  |  |
|                                       | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                                                    |           |                                                                                                  |                                                    |  |  |
| Net weight                            |                              | kg (lbs)               | 276 (609)                                                                                                                                                                                                                                                     |                                                    |           | 301 (664)                                                                                        |                                                    |  |  |
| Heat exchanger                        |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                                                    |           | Salt-resistant cross fin & aluminium tube                                                        |                                                    |  |  |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                        | -                                                                                                                                                                                                                                                             |                                                    |           | -                                                                                                |                                                    |  |  |
| Pipe between unit and distributor     | High pressure                | mm (in.)               | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |                                                    |           | 22.2 (7/8) Brazed                                                                                |                                                    |  |  |
|                                       | Low pressure                 | mm (in.)               | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |                                                    |           | 28.58 (1-1/8) Brazed                                                                             |                                                    |  |  |
| Defrosting method                     |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                                                    |           |                                                                                                  |                                                    |  |  |
| Drawing                               | External                     |                        | WKB94C1K2                                                                                                                                                                                                                                                     |                                                    |           |                                                                                                  |                                                    |  |  |
|                                       | Wiring                       |                        | WKE94L024                                                                                                                                                                                                                                                     |                                                    | WKE94L024 |                                                                                                  |                                                    |  |  |
| Standard attachment                   | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                                                    |           |                                                                                                  |                                                    |  |  |
|                                       | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                                                    |           |                                                                                                  |                                                    |  |  |
| Optional parts                        |                              |                        | Outdoor Twinning kit: CMY-R200VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-M108,1012,1016V-JA1,CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                    |                                                    |           |                                                                                                  |                                                    |  |  |
| Remarks                               |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                                                    |           |                                                                                                  |                                                    |  |  |

|                                                                                                                                                                                                                                            |  |                                                             |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |  |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h =kW x 3.412                                           |  |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm =m³/min x 35.31                                         |  |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs =kg/0.4536                                              |  |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |  |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |  |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |  |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                                       |                                  |                        |
|--------------------------------------------------------|---------------------------------------|----------------------------------|------------------------|
| Model                                                  | PURY-EP900YSNW-A1 (-BS)               |                                  |                        |
| Power source                                           | 3-phase 4-wire 380-400-415 V 50/60 Hz |                                  |                        |
| Cooling capacity                                       | *1, 3                                 | kW                               | 101.0                  |
|                                                        |                                       | BTU/h                            | 344,600                |
|                                                        | Power input                           | kW                               | 28.21                  |
|                                                        | Current input                         | A                                | 47.6-45.2-43.6         |
|                                                        | EER                                   | kW/kW                            | 3.58                   |
| Temp. range of cooling                                 | Indoor                                | W.B.                             | 15.0~24.0°C (59~75°F)  |
|                                                        | Outdoor                               | D.B.                             | -5.0~52.0°C (23~126°F) |
| Heating capacity                                       | *2, 3                                 | kW                               | 113.0                  |
|                                                        |                                       | BTU/h                            | 385,600                |
|                                                        | Power input                           | kW                               | 33.04                  |
|                                                        | Current input                         | A                                | 55.7-52.9-51.0         |
|                                                        | COP                                   | kW/kW                            | 3.42                   |
| 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                        | 50~150% of outdoor unit capacity |                        |
|                                                        | Model/Quantity                        | P10~P250/2~50                    |                        |
| Sound pressure level (measured in anechoic room) *4 *5 |                                       | dB <A>                           |                        |
| Sound power level (measured in anechoic room) *4       |                                       | dB <A>                           |                        |
| Refrigerant piping diameter                            | High pressure                         | mm (in.)                         | 28.58 (1-1/8) Brazed   |
|                                                        | Low pressure                          | mm (in.)                         | 41.28 (1-5/8) Brazed   |

|                                       |                              |                                           |                                                                                                                                                                                                                                                               |                             |
|---------------------------------------|------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Set Model                             |                              |                                           |                                                                                                                                                                                                                                                               |                             |
| Model                                 |                              |                                           | PURY-EP450YNW-A1 (-BS)                                                                                                                                                                                                                                        | PURY-EP450YNW-A1 (-BS)      |
| FAN                                   | Type x Quantity              |                                           | Propeller fan x 2                                                                                                                                                                                                                                             |                             |
|                                       | Air flow rate                | m <sup>3</sup> /min                       | 315                                                                                                                                                                                                                                                           |                             |
|                                       |                              | L/s                                       | 5,250                                                                                                                                                                                                                                                         |                             |
|                                       |                              | cfm                                       | 11,123                                                                                                                                                                                                                                                        |                             |
|                                       | Control, Driving mechanism   |                                           | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                             |
|                                       | Motor output                 | kW                                        | 0.46 x 2                                                                                                                                                                                                                                                      |                             |
|                                       | *6                           | External static press.                    |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O) |
| Compressor                            | Type                         |                                           | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                             |
|                                       | Starting method              |                                           | Inverter                                                                                                                                                                                                                                                      |                             |
|                                       | Motor output                 | kW                                        | 11.7                                                                                                                                                                                                                                                          |                             |
|                                       | Case heater                  | kW                                        | -                                                                                                                                                                                                                                                             |                             |
|                                       | Lubricant                    |                                           | MEL32                                                                                                                                                                                                                                                         |                             |
|                                       | External finish              |                                           | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                             |
| External dimension H x W x D          |                              | mm                                        | 1,858 (1,798 without legs) x 1,240 x 740                                                                                                                                                                                                                      |                             |
|                                       |                              | in.                                       | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                                                                                                                                                                                            |                             |
| Protection devices                    | High pressure protection     |                                           | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                             |
|                                       | Inverter circuit (COMP./FAN) |                                           | Over-current protection                                                                                                                                                                                                                                       |                             |
|                                       | Compressor                   |                                           | -                                                                                                                                                                                                                                                             |                             |
|                                       | Fan motor                    |                                           | -                                                                                                                                                                                                                                                             |                             |
| Refrigerant                           | Type x original charge       |                                           | R410A x 10.8 kg (24 lbs)                                                                                                                                                                                                                                      |                             |
|                                       | Control                      |                                           | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                             |
| Net weight                            |                              | kg (lbs)                                  | 301 (664)                                                                                                                                                                                                                                                     |                             |
| Heat exchanger                        |                              | Salt-resistant cross fin & aluminium tube |                                                                                                                                                                                                                                                               |                             |
| HIC circuit (HIC: Heat Inter-Changer) |                              | -                                         |                                                                                                                                                                                                                                                               |                             |
| Pipe between unit and distributor     | High pressure                | mm (in.)                                  | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |                             |
|                                       | Low pressure                 | mm (in.)                                  | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |                             |
| Defrosting method                     |                              |                                           | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                             |
| Drawing                               | External                     |                                           | WKB94C1K2                                                                                                                                                                                                                                                     |                             |
|                                       | Wiring                       |                                           | WKE94L024                                                                                                                                                                                                                                                     |                             |
| Standard attachment                   | Document                     |                                           | Installation Manual                                                                                                                                                                                                                                           |                             |
|                                       | Accessory                    |                                           | -                                                                                                                                                                                                                                                             |                             |
| Optional parts                        |                              |                                           | Outdoor Twinning kit: CMY-R200VBK4<br>Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1<br>Main BC controller: CMB-M108, 1012, 1016V-JA1, CMB-P1016V-KA1<br>Sub BC controller: CMB-M104, 108V-KB1                                                              |                             |
| Remarks                               |                              |                                           | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                             |

|                                                                                                                                                                                                                                            |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                     | Unit converter                                              |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      | BTU/h = kW x 3,412                                          |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            | cfm = m <sup>3</sup> /min x 35.31                           |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      | lbs = kg/0.4536                                             |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |                                                             |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |                                                             |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP950YSNW-A1 (-BS)               |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 108.0                                 |  |
|                                                        |                | BTU/h    | 368,500                               |  |
|                                                        | Power input    | kW       | 30.16                                 |  |
|                                                        | Current input  | A        | 50.9-48.3-46.6                        |  |
|                                                        | EER            | kW/kW    | 3.58                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 119.5                                 |  |
|                                                        |                | BTU/h    | 407,700                               |  |
|                                                        | Power input    | kW       | 32.03                                 |  |
|                                                        | Current input  | A        | 54.0-51.3-49.5                        |  |
|                                                        | COP            | kW/kW    | 3.73                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                | dB <A>   | 68.0/71.5                             |  |
| Sound power level (measured in anechoic room) *4       |                | dB <A>   | 86/91                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 28.58 (1-1/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 41.28 (1-5/8) Brazed                  |  |

|                                       |                              |                        |                                                                                                                                                                                                                                                               |                                                                                                  |
|---------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Set Model                             |                              |                        |                                                                                                                                                                                                                                                               |                                                                                                  |
| Model                                 |                              |                        | PURY-EP450YNW-A1 (-BS)                                                                                                                                                                                                                                        | PURY-EP500YNW-A1 (-BS)                                                                           |
| FAN                                   | Type x Quantity              |                        | Propeller fan x 2                                                                                                                                                                                                                                             | Propeller fan x 2                                                                                |
|                                       | Air flow rate                | m <sup>3</sup> /min    | 315                                                                                                                                                                                                                                                           | 295                                                                                              |
|                                       |                              | L/s                    | 5,250                                                                                                                                                                                                                                                         | 4,917                                                                                            |
|                                       |                              | cfm                    | 11,123                                                                                                                                                                                                                                                        | 10,416                                                                                           |
|                                       | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      | Inverter-control, Direct-driven by motor                                                         |
|                                       | Motor output                 | kW                     | 0.46 x 2                                                                                                                                                                                                                                                      | 0.92 x 2                                                                                         |
|                                       | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O)                                                                      |
| Compressor                            | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           | Inverter scroll hermetic compressor                                                              |
|                                       | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      | Inverter                                                                                         |
|                                       | Motor output                 | kW                     | 11.7                                                                                                                                                                                                                                                          | 13.8                                                                                             |
|                                       | Case heater                  | kW                     | -                                                                                                                                                                                                                                                             | -                                                                                                |
|                                       | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         | MEL32                                                                                            |
| External finish                       |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |
| External dimension H x W x D          |                              | mm                     | 1,858 (1,798 without legs) x 1,240 x 740                                                                                                                                                                                                                      | 1,858 (1,798 without legs) x 1,750 x 740                                                         |
|                                       |                              | in.                    | 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16                                                                                                                                                                                                            | 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16                                             |
| Protection devices                    | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |
|                                       | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       | Over-current protection                                                                          |
|                                       | Compressor                   |                        | -                                                                                                                                                                                                                                                             | -                                                                                                |
|                                       | Fan motor                    |                        | -                                                                                                                                                                                                                                                             | -                                                                                                |
| Refrigerant                           | Type x original charge       |                        | R410A x 10.8 kg (24 lbs)                                                                                                                                                                                                                                      | R410A x 10.8 kg (24 lbs)                                                                         |
|                                       | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                                                                                                  |
| Net weight                            |                              | kg (lbs)               | 301 (664)                                                                                                                                                                                                                                                     | 346 (763)                                                                                        |
| Heat exchanger                        |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     | Salt-resistant cross fin & aluminium tube                                                        |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                        | -                                                                                                                                                                                                                                                             | -                                                                                                |
| Pipe between unit and distributor     | High pressure                | mm (in.)               | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             | 22.2 (7/8) Brazed                                                                                |
|                                       | Low pressure                 | mm (in.)               | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          | 28.58 (1-1/8) Brazed                                                                             |
| Defrosting method                     |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                                                                                                  |
| Drawing                               | External                     |                        | WKB94C1K3                                                                                                                                                                                                                                                     |                                                                                                  |
|                                       | Wiring                       |                        | WKE94L024                                                                                                                                                                                                                                                     | WKE94L022                                                                                        |
| Standard attachment                   | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                                                                                                  |
|                                       | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                                                                                                  |
| Optional parts                        |                              |                        | Outdoor Twinning kit: CMY-R200VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                                            |                                                                                                  |
| Remarks                               |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                                                                                                  |

|                                                                                                                                                                                                                                            |  |                                                             |                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|------------------------------|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |                              |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h                                                       | =kW x 3,412                  |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm                                                         | =m <sup>3</sup> /min x 35.31 |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs                                                         | =kg/0.4536                   |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |                              |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |                              |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |                              |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | <b>PURY-EP1000YSNW-A1 (-BS)</b>       |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 113.0                                 |  |
|                                                        |                | BTU/h    | 385,600                               |  |
|                                                        | Power input    | kW       | 33.43                                 |  |
|                                                        | Current input  | A        | 56.4-53.6-51.6                        |  |
|                                                        | EER            | kW/kW    | 3.38                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 127.0                                 |  |
|                                                        |                | BTU/h    | 433,300                               |  |
|                                                        | Power input    | kW       | 31.43                                 |  |
|                                                        | Current input  | A        | 53.0-50.4-48.5                        |  |
|                                                        | COP            | kW/kW    | 4.04                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/2~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                |          | 66.5/67.5                             |  |
| Sound power level (measured in anechoic room) *4       |                |          | 85/87                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 28.58 (1-1/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 41.28 (1-5/8) Brazed                  |  |

| Set Model                             |                              |                        |                                                                                                                                                                                                                                                               |                             |                                                                                                  |                             |
|---------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|
| Model                                 |                              |                        | PURY-EP500YNW-A1 (-BS)                                                                                                                                                                                                                                        |                             | PURY-EP500YNW-A1 (-BS)                                                                           |                             |
| FAN                                   | Type x Quantity              |                        | Propeller fan x 2                                                                                                                                                                                                                                             |                             | Propeller fan x 2                                                                                |                             |
|                                       | Air flow rate                | m <sup>3</sup> /min    | 295                                                                                                                                                                                                                                                           |                             | 295                                                                                              |                             |
|                                       |                              | L/s                    | 4,917                                                                                                                                                                                                                                                         |                             | 4,917                                                                                            |                             |
|                                       |                              | cfm                    | 10,416                                                                                                                                                                                                                                                        |                             | 10,416                                                                                           |                             |
|                                       | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                             | Inverter-control, Direct-driven by motor                                                         |                             |
|                                       | Motor output                 | kW                     | 0.92 x 2                                                                                                                                                                                                                                                      |                             | 0.92 x 2                                                                                         |                             |
|                                       | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O) |                                                                                                  | 0 Pa (0 mmH <sub>2</sub> O) |
| Compressor                            | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                             | Inverter scroll hermetic compressor                                                              |                             |
|                                       | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      |                             | Inverter                                                                                         |                             |
|                                       | Motor output                 | kW                     | 13.8                                                                                                                                                                                                                                                          |                             | 13.8                                                                                             |                             |
|                                       | Case heater                  | kW                     | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         |                             | MEL32                                                                                            |                             |
| External finish                       |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                             | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                             |
| External dimension H x W x D          |                              | mm                     | 1,858 (1,798 without legs) x 1,750 x 740                                                                                                                                                                                                                      |                             | 1,858 (1,798 without legs) x 1,750 x 740                                                         |                             |
|                                       |                              | in.                    | 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16                                                                                                                                                                                                          |                             | 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16                                             |                             |
| Protection devices                    | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                             | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |                             |
|                                       | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       |                             | Over-current protection                                                                          |                             |
|                                       | Compressor                   |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
|                                       | Fan motor                    |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Refrigerant                           | Type x original charge       |                        | R410A x 10.8 kg (24 lbs)                                                                                                                                                                                                                                      |                             | R410A x 10.8 kg (24 lbs)                                                                         |                             |
|                                       | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                             |                                                                                                  |                             |
| Net weight                            |                              | kg (lbs)               | 346 (763)                                                                                                                                                                                                                                                     |                             | 346 (763)                                                                                        |                             |
| Heat exchanger                        |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                             | Salt-resistant cross fin & aluminium tube                                                        |                             |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                        | -                                                                                                                                                                                                                                                             |                             | -                                                                                                |                             |
| Pipe between unit and distributor     | High pressure                | mm (in.)               | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |                             | 22.2 (7/8) Brazed                                                                                |                             |
|                                       | Low pressure                 | mm (in.)               | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |                             | 28.58 (1-1/8) Brazed                                                                             |                             |
| Defrosting method                     |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                             |                                                                                                  |                             |
| Drawing                               | External                     |                        | WKB94C1K4                                                                                                                                                                                                                                                     |                             |                                                                                                  |                             |
|                                       | Wiring                       |                        | WKE94L022                                                                                                                                                                                                                                                     |                             | WKE94L022                                                                                        |                             |
| Standard attachment                   | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                             |                                                                                                  |                             |
|                                       | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                             |                                                                                                  |                             |
| Optional parts                        |                              |                        | Outdoor Twinning kit: CMY-R200VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                                            |                             |                                                                                                  |                             |
| Remarks                               |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                             |                                                                                                  |                             |

|                                                                                                                                                                                                                                            |  |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h = kW x 3,412                                          |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm = m <sup>3</sup> /min x 35.31                           |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs = kg/0.4536                                             |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | PURY-EP1050YSNW-A1 (-BS)              |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 118.0                                 |  |
|                                                        |                | BTU/h    | 402,600                               |  |
|                                                        | Power input    | kW       | 37.57                                 |  |
|                                                        | Current input  | A        | 63.4-60.2-58.0                        |  |
|                                                        | EER            | kW/kW    | 3.14                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 132.0                                 |  |
|                                                        |                | BTU/h    | 450,400                               |  |
|                                                        | Power input    | kW       | 37.28                                 |  |
|                                                        | Current input  | A        | 62.9-59.7-57.6                        |  |
|                                                        | COP            | kW/kW    | 3.54                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/3~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                | dB <A>   | 68.0/73.0                             |  |
| Sound power level (measured in anechoic room) *4       |                | dB <A>   | 86/91                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 34.93 (1-3/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 41.28 (1-5/8) Brazed                  |  |

| Set Model                             |                              |                        |                                                                                                                                                                                                                                                               |                             |  |                                                                                                  |                             |  |
|---------------------------------------|------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|--------------------------------------------------------------------------------------------------|-----------------------------|--|
| Model                                 |                              |                        | PURY-EP500YNW-A1 (-BS)                                                                                                                                                                                                                                        |                             |  | PURY-EP550YNW-A1 (-BS)                                                                           |                             |  |
| FAN                                   | Type x Quantity              |                        | Propeller fan x 2                                                                                                                                                                                                                                             |                             |  | Propeller fan x 2                                                                                |                             |  |
|                                       | Air flow rate                | m <sup>3</sup> /min    | 295                                                                                                                                                                                                                                                           |                             |  | 410                                                                                              |                             |  |
|                                       |                              | L/s                    | 4,917                                                                                                                                                                                                                                                         |                             |  | 6,833                                                                                            |                             |  |
|                                       |                              | cfm                    | 10,416                                                                                                                                                                                                                                                        |                             |  | 14,477                                                                                           |                             |  |
|                                       | Control, Driving mechanism   |                        | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |                             |  | Inverter-control, Direct-driven by motor                                                         |                             |  |
|                                       | Motor output                 | kW                     | 0.92 x 2                                                                                                                                                                                                                                                      |                             |  | 0.92 x 2                                                                                         |                             |  |
|                                       | *6                           | External static press. |                                                                                                                                                                                                                                                               | 0 Pa (0 mmH <sub>2</sub> O) |  |                                                                                                  | 0 Pa (0 mmH <sub>2</sub> O) |  |
| Compressor                            | Type                         |                        | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |                             |  | Inverter scroll hermetic compressor                                                              |                             |  |
|                                       | Starting method              |                        | Inverter                                                                                                                                                                                                                                                      |                             |  | Inverter                                                                                         |                             |  |
|                                       | Motor output                 | kW                     | 13.8                                                                                                                                                                                                                                                          |                             |  | 17.2                                                                                             |                             |  |
|                                       | Case heater                  | kW                     | -                                                                                                                                                                                                                                                             |                             |  | -                                                                                                |                             |  |
|                                       | Lubricant                    |                        | MEL32                                                                                                                                                                                                                                                         |                             |  | MEL32                                                                                            |                             |  |
| External finish                       |                              |                        | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |                             |  | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |                             |  |
| External dimension H x W x D          |                              | mm                     | 1,858 (1,798 without legs) x 1,750 x 740                                                                                                                                                                                                                      |                             |  | 1,858 (1,798 without legs) x 1,750 x 740                                                         |                             |  |
|                                       |                              | in.                    | 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16                                                                                                                                                                                                          |                             |  | 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16                                             |                             |  |
| Protection devices                    | High pressure protection     |                        | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |                             |  | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |                             |  |
|                                       | Inverter circuit (COMP./FAN) |                        | Over-current protection                                                                                                                                                                                                                                       |                             |  | Over-current protection                                                                          |                             |  |
|                                       | Compressor                   |                        | -                                                                                                                                                                                                                                                             |                             |  | -                                                                                                |                             |  |
|                                       | Fan motor                    |                        | -                                                                                                                                                                                                                                                             |                             |  | -                                                                                                |                             |  |
| Refrigerant                           | Type x original charge       |                        | R410A x 10.8 kg (24 lbs)                                                                                                                                                                                                                                      |                             |  | R410A x 10.8 kg (24 lbs)                                                                         |                             |  |
|                                       | Control                      |                        | Indoor LEV and BC controller                                                                                                                                                                                                                                  |                             |  |                                                                                                  |                             |  |
| Net weight                            |                              | kg (lbs)               | 346 (763)                                                                                                                                                                                                                                                     |                             |  | 346 (763)                                                                                        |                             |  |
| Heat exchanger                        |                              |                        | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |                             |  | Salt-resistant cross fin & aluminium tube                                                        |                             |  |
| HIC circuit (HIC: Heat Inter-Changer) |                              |                        | -                                                                                                                                                                                                                                                             |                             |  | -                                                                                                |                             |  |
| Pipe between unit and distributor     | High pressure                | mm (in.)               | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |                             |  | 22.2 (7/8) Brazed                                                                                |                             |  |
|                                       | Low pressure                 | mm (in.)               | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |                             |  | 28.58 (1-1/8) Brazed                                                                             |                             |  |
| Defrosting method                     |                              |                        | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |                             |  |                                                                                                  |                             |  |
| Drawing                               | External                     |                        | WKB94C1K4                                                                                                                                                                                                                                                     |                             |  |                                                                                                  |                             |  |
|                                       | Wiring                       |                        | WKE94L022                                                                                                                                                                                                                                                     |                             |  | WKE94L022                                                                                        |                             |  |
| Standard attachment                   | Document                     |                        | Installation Manual                                                                                                                                                                                                                                           |                             |  |                                                                                                  |                             |  |
|                                       | Accessory                    |                        | -                                                                                                                                                                                                                                                             |                             |  |                                                                                                  |                             |  |
| Optional parts                        |                              |                        | Outdoor Twinning kit: CMY-R200VBK4<br>Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1<br>Main BC controller: CMB-P1016V-KA1<br>Sub BC controller: CMB-M104,108V-KB1                                                                                            |                             |  |                                                                                                  |                             |  |
| Remarks                               |                              |                        | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |                             |  |                                                                                                  |                             |  |

|                                                                                                                                                                                                                                            |  |                                                             |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|
| Notes:                                                                                                                                                                                                                                     |  | Unit converter                                              |  |
| 1. Nominal cooling conditions (subject to JIS B8615-1,-2)<br>Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)      |  | BTU/h =kW x 3,412                                           |  |
| 2. Nominal heating conditions (subject to JIS B8615-1,-2)<br>Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)<br>Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)                            |  | cfm =m³/min x 35.31                                         |  |
| 3. In case of connecting PLFY-P**VEM type indoor unit                                                                                                                                                                                      |  | lbs =kg/0.4536                                              |  |
| 4. Cooling mode/Heating mode                                                                                                                                                                                                               |  |                                                             |  |
| 5. The sound pressure level measured by the conventional method in JIS for reference purpose.                                                                                                                                              |  |                                                             |  |
| 6. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH <sub>2</sub> O, 6.1 mmH <sub>2</sub> O, 8.2 mmH <sub>2</sub> O).<br>Consult your dealer about the specification when setting External static pressure option. |  | *Above specification data is subject to rounding variation. |  |

# 1. SPECIFICATIONS

R2-Series (High efficiency)

PURY-EP-Y(S)NW-A1

|                                                        |                |          |                                       |  |
|--------------------------------------------------------|----------------|----------|---------------------------------------|--|
| Model                                                  |                |          | <b>PURY-EP1100YSNW-A1 (-BS)</b>       |  |
| Power source                                           |                |          | 3-phase 4-wire 380-400-415 V 50/60 Hz |  |
| Cooling capacity                                       | *1, 3          | kW       | 124.0                                 |  |
|                                                        |                | BTU/h    | 423,100                               |  |
|                                                        | Power input    | kW       | 42.75                                 |  |
|                                                        | Current input  | A        | 72.1-68.5-66.0                        |  |
|                                                        | EER            | kW/kW    | 2.90                                  |  |
| Temp. range of cooling                                 | Indoor         | W.B.     | 15.0~24.0°C (59~75°F)                 |  |
|                                                        | Outdoor        | D.B.     | -5.0~52.0°C (23~126°F)                |  |
| Heating capacity                                       | *2, 3          | kW       | 140.0                                 |  |
|                                                        |                | BTU/h    | 477,700                               |  |
|                                                        | Power input    | kW       | 46.05                                 |  |
|                                                        | Current input  | A        | 77.7-73.8-71.1                        |  |
|                                                        | COP            | kW/kW    | 3.04                                  |  |
| 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 |          | 50~150% of outdoor unit capacity      |  |
|                                                        | Model/Quantity |          | P10~P250/3~50                         |  |
| Sound pressure level (measured in anechoic room) *4 *5 |                |          | 69.0/73.0                             |  |
| Sound power level (measured in anechoic room) *4       |                |          | 86/92                                 |  |
| Refrigerant piping diameter                            | High pressure  | mm (in.) | 34.93 (1-3/8) Brazed                  |  |
|                                                        | Low pressure   | mm (in.) | 41.28 (1-5/8) Brazed                  |  |

Set Model

|                                       |                              |          |                                                                                                                                                                                                                                                               |  |                                                                                                  |  |
|---------------------------------------|------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|
| Model                                 |                              |          | PURY-EP550YNW-A1 (-BS)                                                                                                                                                                                                                                        |  | PURY-EP550YNW-A1 (-BS)                                                                           |  |
| FAN                                   | Type x Quantity              |          | Propeller fan x 2                                                                                                                                                                                                                                             |  | Propeller fan x 2                                                                                |  |
|                                       | Air flow rate                | m³/min   | 410                                                                                                                                                                                                                                                           |  | 410                                                                                              |  |
|                                       |                              | L/s      | 6,833                                                                                                                                                                                                                                                         |  | 6,833                                                                                            |  |
|                                       |                              | cfm      | 14,477                                                                                                                                                                                                                                                        |  | 14,477                                                                                           |  |
|                                       | Control, Driving mechanism   |          | Inverter-control, Direct-driven by motor                                                                                                                                                                                                                      |  | Inverter-control, Direct-driven by motor                                                         |  |
|                                       | Motor output                 | kW       | 0.92 x 2                                                                                                                                                                                                                                                      |  | 0.92 x 2                                                                                         |  |
| *6                                    | External static press.       |          | 0 Pa (0 mmH <sub>2</sub> O)                                                                                                                                                                                                                                   |  | 0 Pa (0 mmH <sub>2</sub> O)                                                                      |  |
| Compressor                            | Type                         |          | Inverter scroll hermetic compressor                                                                                                                                                                                                                           |  | Inverter scroll hermetic compressor                                                              |  |
|                                       | Starting method              |          | Inverter                                                                                                                                                                                                                                                      |  | Inverter                                                                                         |  |
|                                       | Motor output                 | kW       | 17.2                                                                                                                                                                                                                                                          |  | 17.2                                                                                             |  |
|                                       | Case heater                  | kW       | -                                                                                                                                                                                                                                                             |  | -                                                                                                |  |
|                                       | Lubricant                    |          | MEL32                                                                                                                                                                                                                                                         |  | MEL32                                                                                            |  |
| External finish                       |                              |          | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar>                                                                                                                                                              |  | Pre-coated galvanized steel sheets (+powder coating for -BS type)<br><MUNSELL 5Y 8/1 or similar> |  |
| External dimension H x W x D          |                              | mm       | 1,858 (1,798 without legs) x 1,750 x 740                                                                                                                                                                                                                      |  | 1,858 (1,798 without legs) x 1,750 x 740                                                         |  |
|                                       |                              | in.      | 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16                                                                                                                                                                                                          |  | 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16                                             |  |
| Protection devices                    | High pressure protection     |          | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                                                                                                                                                              |  | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                 |  |
|                                       | Inverter circuit (COMP./FAN) |          | Over-current protection                                                                                                                                                                                                                                       |  | Over-current protection                                                                          |  |
|                                       | Compressor                   |          | -                                                                                                                                                                                                                                                             |  | -                                                                                                |  |
|                                       | Fan motor                    |          | -                                                                                                                                                                                                                                                             |  | -                                                                                                |  |
| Refrigerant                           | Type x original charge       |          | R410A x 10.8 kg (24 lbs)                                                                                                                                                                                                                                      |  | R410A x 10.8 kg (24 lbs)                                                                         |  |
|                                       | Control                      |          | Indoor LEV and BC controller                                                                                                                                                                                                                                  |  |                                                                                                  |  |
| Net weight                            |                              | kg (lbs) | 346 (763)                                                                                                                                                                                                                                                     |  | 346 (763)                                                                                        |  |
| Heat exchanger                        |                              |          | Salt-resistant cross fin & aluminium tube                                                                                                                                                                                                                     |  | Salt-resistant cross fin & aluminium tube                                                        |  |
| HIC circuit (HIC: Heat Inter-Changer) |                              |          | -                                                                                                                                                                                                                                                             |  | -                                                                                                |  |
| Pipe between unit and distributor     | High pressure                | mm (in.) | 22.2 (7/8) Brazed                                                                                                                                                                                                                                             |  | 22.2 (7/8) Brazed                                                                                |  |
|                                       | Low pressure                 | mm (in.) | 28.58 (1-1/8) Brazed                                                                                                                                                                                                                                          |  | 28.58 (1-1/8) Brazed                                                                             |  |
| Defrosting method                     |                              |          | Auto-defrost mode (Reversed refrigerant cycle)                                                                                                                                                                                                                |  |                                                                                                  |  |
| Drawing                               | External                     |          | WKB94C1K4                                                                                                                                                                                                                                                     |  |                                                                                                  |  |
|                                       | Wiring                       |          | WKE94L022                                                                                                                                                                                                                                                     |  | WKE94L022                                                                                        |  |
| Standard attachment                   | Document                     |          | Installation Manual                                                                                                                                                                                                                                           |  |                                                                                                  |  |
|                                       | Accessory                    |          | -                                                                                                                                                                                                                                                             |  |                                                                                                  |  |
| Optional parts                        |                              |          | Outdoor Twinning kit: CMY-R200VBK4<br>Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1<br>Main BC controller: CMB-P1016V-KA1<br>Sub BC controller: CMB-M104, 108V-KB1                                                                                         |  |                                                                                                  |  |
| Remarks                               |                              |          | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.<br>Due to continuing improvement, above specifications may be subject to change without notice. |  |                                                                                                  |  |

Notes:

- Nominal cooling conditions (subject to JIS B8615-1,-2)  
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-1,-2)  
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- In case of connecting PLFY-P\*\*VEM type indoor unit
- Cooling mode/Heating mode
- The sound pressure level measured by the conventional method in JIS for reference purpose.
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH<sub>2</sub>O, 6.1 mmH<sub>2</sub>O, 8.2 mmH<sub>2</sub>O).  
Consult your dealer about the specification when setting External static pressure option.

Unit converter

|       |                              |
|-------|------------------------------|
| BTU/h | =kW x 3,412                  |
| cfm   | =m <sup>3</sup> /min x 35.31 |
| lbs   | =kg/0.4536                   |

\*Above specification data is subject to rounding variation.