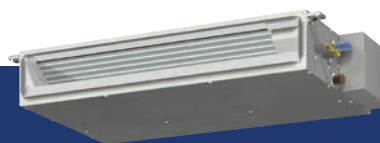


# - INDOOR UNIT -



| Model  |                |                         | PEFY-WP15VMS1-E  | PEFY-WP20VMS1-E  | PEFY-WP25VMS1-E  |                             |                             |                 |
|--|----------------|-------------------------|--|--|--|-----------------------------|-----------------------------|-----------------|
| Power source                                     |                |                         | 1-phase 220-230-240 V 50/60 Hz                               | 1-phase 220-230-240 V 50/60 Hz                               | 1-phase 220-230-240 V 50/60 Hz                               |                             |                             |                 |
| Cooling capacity (Nominal)                       | *1             | kW                      | 1.7  | 2.2  | 2.8  |                             |                             |                 |
|  | *1             | kcal/h                  | 1,500  | 1,900  | 2,400  |                             |                             |                 |
|  | *1             | BTU/h                   | 5,800  | 7,500  | 9,600  |                             |                             |                 |
|  | *2             | Power input             | kW   | 0.050  | 0.051  | 0.060                       |                             |                 |
|  | *2             | Current input           | A  | 0.44   | 0.49   | 0.51                        |                             |                 |
| Heating capacity (Nominal)                       | *3             | kW                      | 1.9  | 2.5  | 3.2  |                             |                             |                 |
|  | *3             | kcal/h                  | 1,600  | 2,200  | 2,800  |                             |                             |                 |
|  | *3             | BTU/h                   | 6,500  | 8,500  | 10,900   |                             |                             |                 |
|  | *2             | Power input             | kW   | 0.030  | 0.031  | 0.040                       |                             |                 |
|  | *2             | Current input           | A  | 0.33   | 0.38   | 0.40                        |                             |                 |
| External finish                                  |                |                         | Galvanized steel plate                                       | Galvanized steel plate                                       | Galvanized steel plate                                       |                             |                             |                 |
| External dimension H x W x D                     |                | mm                      | 200 x 790 x 700  | 200 x 790 x 700  | 200 x 790 x 700  |                             |                             |                 |
|  |                | in.                     | 7-7/8 x 31-1/8 x 27-9/16                                     | 7-7/8 x 31-1/8 x 27-9/16                                     | 7-7/8 x 31-1/8 x 27-9/16                                     |                             |                             |                 |
| Net weight                                       |                | kg(lbs)                 | 19 (42)  | 20 (45)  | 20 (45)  |                             |                             |                 |
| Heat exchanger                                   |                |                         | Cross fin (Aluminum fin and copper tube)                     | Cross fin (Aluminum fin and copper tube)                     | Cross fin (Aluminum fin and copper tube)                     |                             |                             |                 |
|  |                |                         | Water Volume   | L  | 0.7  | 0.9                         | 0.9                         |                 |
| FAN  |                |                         | Type x Quantity  | Sirocco fan x 2  | Sirocco fan x 2  |                             |                             |                 |
|  |                |                         | *4 External static press.                                    | Pa   | <5> - 15 - <35> - <50>                                       | <5> - 15 - <35> - <50>      | <5> - 15 - <35> - <50>      |                 |
|  |                |                         |  | mmHzO  | <0.5> - 1.5 - <3.6> - <5.1>                                  | <0.5> - 1.5 - <3.6> - <5.1> | <0.5> - 1.5 - <3.6> - <5.1> |                 |
|  |                |                         | Motor Type   |  | DC motor   | DC motor                    | DC motor                    |                 |
|  |                |                         | Motor output   |  | kW   | 0.096                       | 0.096                       | 0.096           |
|  |                |                         | Driving mechanism  |  | Direct-driven by motor                                       | Direct-driven by motor      | Direct-driven by motor      |                 |
|  |                |                         | Air flow rate  |  | (Low-Mid-High)   | (Low-Mid-High)              | (Low-Mid-High)              |                 |
|  |                |                         |  |  | m <sup>3</sup> /min  | 5.0 - 6.0 - 7.0             | 5.5 - 6.5 - 8.0             | 5.5 - 7.0 - 9.0 |
| L/s  | 83 - 100 - 117 | 92 - 108 - 133          |  |  | 92 - 117 - 150   |                             |                             |                 |
|  |                | cfm                     | 177 - 212 - 247  | 194 - 230 - 282  | 194 - 247 - 318  |                             |                             |                 |
| Sound pressure level (measured in anechoic room) |                | *2 dB <A>               | (Low-Mid-High)<br>22-24-28                                   | (Low-Mid-High)<br>23-25-29                                   | (Low-Mid-High)<br>23-26-30                                   |                             |                             |                 |
| Insulation material                              |                |                         | EPS, Polyethylene foam, Urethane foam                        | EPS, Polyethylene foam, Urethane foam                        | EPS, Polyethylene foam, Urethane foam                        |                             |                             |                 |
| Air filter                                       |                |                         | PP honeycomb fabric.   | PP honeycomb fabric.   | PP honeycomb fabric.   |                             |                             |                 |
| Protection device                                |                |                         | Fuse   | Fuse   | Fuse   |                             |                             |                 |
| Connectable outdoor unit / HBC controller        |                |                         | CITY MULTI YLM series/<br>CMB-WP-V-GA1/CMB-WP-V-GB1          | CITY MULTI YLM series/<br>CMB-WP-V-GA1/CMB-WP-V-GB1          | CITY MULTI YLM series/<br>CMB-WP-V-GA1/CMB-WP-V-GB1          |                             |                             |                 |
| Water piping diameter                            | *5,6 Inlet     | in.                     | Rc 3/4 screw   | Rc 3/4 screw   | Rc 3/4 screw   |                             |                             |                 |
|  | Outlet         | in.                     | Rc 3/4 screw   | Rc 3/4 screw   | Rc 3/4 screw   |                             |                             |                 |
| Field drain pipe size                            |                | mm(in.)                 | O.D.32 (1-1/4)   | O.D.32 (1-1/4)   | O.D.32 (1-1/4)   |                             |                             |                 |
| Standard attachment                              | Accessory      |                         | Insulation pipe for water pipe, Washer, Drain hose, Tie band | Insulation pipe for water pipe, Washer, Drain hose, Tie band | Insulation pipe for water pipe, Washer, Drain hose, Tie band |                             |                             |                 |
| Optional parts                                   |                | Control Box Replace kit | PAC-KE70HS-E   | PAC-KE70HS-E   | PAC-KE70HS-E   |                             |                             |                 |

## Notes :

- Nominal cooling conditions  
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB. (95°FDB.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- The values are measured at the factory setting of external static pressure.
- Nominal heating conditions  
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- The factory setting of external static pressure is shown without < >.  
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.
- Be sure to install a valve on the water outlet.
- Install a strainer (40 mesh or more) on the pipe next to the valve to remove any foreign matter.
- Please group units that operate on 1 branch.

## Unit converter

|          |                               |
|----------|-------------------------------|
| kcal / h | =kW × 860                     |
| BTU / h  | =kW × 3,412                   |
| cfm      | =m <sup>3</sup> / min × 35.31 |
| lbs      | =kg / 0.4536                  |

\*Above specification data is subject to rounding variation.



| Model  |                        |                         | PEFY-WP32VMS1-E  | PEFY-WP40VMS1-E  | PEFY-WP50VMS1-E  |                    |
|--|------------------------|-------------------------|--|--|--|--------------------|
| Power source                                     |                        |                         | 1-phase 220-230-240 V 50/60 Hz                               | 1-phase 220-230-240 V 50/60 Hz                               | 1-phase 220-230-240 V 50/60 Hz                               |                    |
| Cooling capacity (Nominal)                       | *1                     | kW                      | 3.6  | 4.5  | 5.6  |                    |
|  | *1                     | kcal/h                  | 3,100  | 3,900  | 4,800  |                    |
|  | *1                     | BTU/h                   | 12,300   | 15,400   | 19,100   |                    |
|  | *2                     | Power input             | kW   | 0.071  | 0.090  | 0.090              |
|  | *2                     | Current input           | A  | 0.61   | 0.73   | 0.77               |
| Heating capacity (Nominal)                       | *3                     | kW                      | 4.0  | 5.0  | 6.3  |                    |
|  | *3                     | kcal/h                  | 3,400  | 4,300  | 5,400  |                    |
|  | *3                     | BTU/h                   | 13,600   | 17,100   | 21,500   |                    |
|  | *2                     | Power input             | kW   | 0.051  | 0.070  | 0.070              |
|  | *2                     | Current input           | A  | 0.50   | 0.62   | 0.66               |
| External finish                                  |                        |                         | Galvanized steel plate                                       | Galvanized steel plate                                       | Galvanized steel plate                                       |                    |
| External dimension H x W x D                     |                        | mm                      | 200 x 990 x 700  | 200 x 990 x 700  | 200 x 1,190 x 700  |                    |
|  |                        | in.                     | 7-7/8 x 39 x 27-9/16   | 7-7/8 x 39 x 27-9/16   | 7-7/8 x 46-7/8 x 27-9/16                                     |                    |
| Net weight                                       |                        | kg(lbs)                 | 25 (56)  | 25 (56)  | 27 (60)  |                    |
| Heat exchanger                                   |                        |                         | Cross fin (Aluminum fin and copper tube)                     | Cross fin (Aluminum fin and copper tube)                     | Cross fin (Aluminum fin and copper tube)                     |                    |
| Water Volume                                     |                        | L                       | 1.0  | 1.0  | 1.7  |                    |
| FAN  |                        |                         | Sirocco fan x 3  | Sirocco fan x 3  | Sirocco fan x 4  |                    |
| *4   | External static press. | Pa                      | <5> - 15 - <35> - <50>                                       | <5> - 15 - <35> - <50>                                       | <5> - 15 - <35> - <50>                                       |                    |
|  |                        | mmHzO                   | <0.5> - 1.5 - <3.6> - <5.1>                                  | <0.5> - 1.5 - <3.6> - <5.1>                                  | <0.5> - 1.5 - <3.6> - <5.1>                                  |                    |
| Motor Type                                       |                        |                         | DC motor   | DC motor   | DC motor   |                    |
| Motor output                                     |                        | kW                      | 0.096  | 0.096  | 0.096  |                    |
| Driving mechanism                                |                        |                         | Direct-driven by motor                                       | Direct-driven by motor                                       | Direct-driven by motor                                       |                    |
| Air flow rate                                    |                        |                         | (Low-Mid-High)   | (Low-Mid-High)   | (Low-Mid-High)   |                    |
|  |                        |                         | m <sup>3</sup> /min  | 8.0 - 9.0 - 11.0   | 9.5 - 11.0 - 13.0  | 12.0 - 14.0 - 16.5 |
|  |                        |                         | L/s  | 133 - 150 - 183  | 158 - 183 - 217  | 200 - 233 - 275    |
|  |                        |                         | cfm  | 282 - 318 - 388  | 335 - 388 - 459  | 424 - 494 - 583    |
| Sound pressure level (measured in anechoic room) |                        |                         | (Low-Mid-High)   | (Low-Mid-High)   | (Low-Mid-High)   |                    |
| *2   |                        | dB <A>                  | 28-30-33   | 30-32-35   | 30-33-36   |                    |
| Insulation material                              |                        |                         | EPS, Polyethylene foam, Urethane foam                        | EPS, Polyethylene foam, Urethane foam                        | EPS, Polyethylene foam, Urethane foam                        |                    |
| Air filter                                       |                        |                         | PP honeycomb fabric.   | PP honeycomb fabric.   | PP honeycomb fabric.   |                    |
| Protection device                                |                        |                         | Fuse   | Fuse   | Fuse   |                    |
| Connectable outdoor unit / HBC controller        |                        |                         | CITY MULTI YLM series/<br>CMB-WP-V-GA1/CMB-WP-V-GB1          | CITY MULTI YLM series/<br>CMB-WP-V-GA1/CMB-WP-V-GB1          | CITY MULTI YLM series/<br>CMB-WP-V-GA1/CMB-WP-V-GB1          |                    |
| Water piping diameter                            | Inlet                  | in.                     | Rc 3/4 screw   | Rc 3/4 screw   | Rc 3/4 screw   |                    |
|  | *5,6 Outlet            | in.                     | Rc 3/4 screw   | Rc 3/4 screw   | Rc 3/4 screw   |                    |
| Field drain pipe size                            |                        | mm(in.)                 | O.D.32 (1-1/4)   | O.D.32 (1-1/4)   | O.D.32 (1-1/4)   |                    |
| Standard attachment                              | Accessory              |                         | Insulation pipe for water pipe, Washer, Drain hose, Tie band | Insulation pipe for water pipe, Washer, Drain hose, Tie band | Insulation pipe for water pipe, Washer, Drain hose, Tie band |                    |
| Optional parts                                   |                        | Control Box Replace kit | PAC-KE70HS-E   | PAC-KE70HS-E   | PAC-KE70HS-E   |                    |

Notes :

- Nominal cooling conditions  
Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B. (95°F.D.B.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- The values are measured at the factory setting of external static pressure.
- Nominal heating conditions  
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.)
- The factory setting of external static pressure is shown without < > .  
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.
- Be sure to install a valve on the water outlet.
- Install a strainer (40 mesh or more) on the pipe next to the valve to remove any foreign matter.
- Please group units that operate on 1 branch.

Unit converter

kcal / h =kW × 860  
 BTU / h =kW × 3,412  
 cfm =m<sup>3</sup> / min × 35.31  
 lbs =kg / 0.4536

\*Above specification data is subject to rounding variation.