



## Key Technologies

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## Technical specifications

| MODEL                      |                       |        | PFFY-P20VLEM-E                                                  | PFFY-P25VLEM-E | PFFY-P32VLEM-E | PFFY-P40VLEM-E | PFFY-P50VLEM-E | PFFY-P63VLEM-E |
|----------------------------|-----------------------|--------|-----------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|
| Power                      |                       |        | A single-phase, 220-240V, 50Hz / a single-phase, 208-230V, 60Hz |                |                |                |                |                |
| Capacity in cooling mode*1 |                       | kW     | 2.2                                                             | 2.8            | 3.6            | 4.5            | 5.6            | 7.1            |
|                            |                       | Btu/h  | 7500                                                            | 9600           | 12300          | 15400          | 19100          | 24200          |
| Capacity in heating mode*1 |                       | kW     | 2.5                                                             | 3.2            | 4.0            | 5.0            | 6.3            | 8.0            |
|                            |                       | Btu/h  | 8500                                                            | 10900          | 13600          | 17100          | 21500          | 27300          |
| Power consumption          | Cooling               | kW     | 0.04 / 0.06                                                     | 0.04 / 0.06    | 0.06 / 0.07    | 0.065 / 0.075  | 0.085 / 0.09   | 0.1 / 0.11     |
|                            | Heating               | kW     | 0.04 / 0.06                                                     | 0.04 / 0.06    | 0.06 / 0.07    | 0.065 / 0.075  | 0.085 / 0.09   | 0.1 / 0.11     |
| Current                    | Cooling               | A      | 0.19 / 0.25                                                     | 0.19 / 0.25    | 0.29 / 0.30    | 0.32 / 0.33    | 0.40 / 0.41    | 0.46 / 0.47    |
|                            | Heating               | A      | 0.19 / 0.25                                                     | 0.19 / 0.25    | 0.29 / 0.30    | 0.32 / 0.33    | 0.40 / 0.41    | 0.46 / 0.47    |
| External finish            |                       |        | Acrylic paint (5Y 8/1)                                          |                |                |                |                |                |
| Dimensions HxLxW           |                       | mm     | 630x1050x220                                                    | 630x1050x220   | 630x1170x220   | 630x1170x220   | 630x1410x220   | 630x1410x220   |
| Net weight                 |                       | kg     | 23                                                              | 23             | 25             | 26             | 30             | 32             |
| Heat exchanger             |                       |        | Cross fins (aluminium fins and copper piping)                   |                |                |                |                |                |
| Fan                        | Type x Quantity       |        | Sirocco x 1                                                     | Sirocco x 1    | Sirocco x 1    | Sirocco x 2    | Sirocco x 2    | Sirocco x 2    |
|                            | Air flow              | m³/min | 5.5-6.5                                                         | 5.5-6.5        | 7.0-9.0        | 9.0-11.0       | 12.0-14.0      | 12.0-15.5      |
|                            |                       | l/s    | 92-108                                                          | 92-108         | 117-150        | 150-183        | 200-233        | 200-258        |
|                            |                       | cfm    | 194-230                                                         | 194-230        | 247-318        | 318-388        | 424-494        | 424-547        |
|                            | Static external pres. |        | Pa                                                              | 0              | 0              | 0              | 0              | 0              |
| Motor                      | Type                  |        | Single-phase induction motor                                    |                |                |                |                |                |
|                            | Power output          | kW     | 0.015                                                           | 0.015          | 0.018          | 0.030          | 0.035          | 0.050          |
| Air filter                 |                       |        | Polypropylene honeycomb fabric (washable)                       |                |                |                |                |                |
| Refrigerant pipe diameter  | Gas (swaged)          | mm     | ø12.7                                                           | ø12.7          | ø12.7          | ø12.7          | ø12.7          | ø15.88         |
|                            | Liquid (swaged)       | mm     | ø6.35                                                           | ø6.35          | ø6.35          | ø6.35          | ø6.35          | ø9.52          |
| Local drain pipe diameter  |                       |        | D.I. 26 (1) <Accessory pipe O.D. 27 (upper end: O.D. 20)>       |                |                |                |                |                |
| Sound pressure*2*3*4       |                       | dB(A)  | 34-40                                                           | 34-40          | 35-40          | 38-43          |                | 40-46          |

\*\*1 For heating/cooling capacity, the maximum value with the unit operating in the following conditions is given.

Cooling: indoor 27°C (81°F) DB/19°C (66°F) WB, outdoor 35°C (95°F) DB. Heating: indoor 20°C (68°F) DB, outdoor 7°C (45°F) DB.

\*\*2 Air flow/noise levels given for operation in low-high modes.

\*\*3 Measurement point: 1m x 1m, Power: 240V AC/50Hz:

1dB(A) less with 230V AC/50Hz.

2dB(A) less with 220V AC/50Hz.

3dB(A) less with measurement point at 1.5 m x 1.5 m.

\*\*4 Measured in anechoic chamber.