Increased design flexibility from sufficient external static pressure allow authentic duct air-conditioning with an elegant interior layout.

---

### Maximum external static pressure 200Pa

The additional external static pressure capacity provides flexibility for duct extension, branching and air outlet configuration.

<table>
<thead>
<tr>
<th>External static pressure (Pa)</th>
<th>P40</th>
<th>P50</th>
<th>P63</th>
<th>P71</th>
<th>P80</th>
<th>P100</th>
<th>P125</th>
<th>P140</th>
<th>P200</th>
<th>P250</th>
</tr>
</thead>
<tbody>
<tr>
<td>220V</td>
<td>50/100/200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>230/240V</td>
<td>100/150/200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>380V</td>
<td>110/220</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400/415V</td>
<td>130/260</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Reduced noise thanks to the use of newly designed centrifugal fan

#### Noise level table (Standard static pressure 220V)

<table>
<thead>
<tr>
<th>Noise Level</th>
<th>Capacity</th>
<th>P40</th>
<th>P50</th>
<th>P63</th>
<th>P71</th>
<th>P80</th>
<th>P100</th>
<th>P125</th>
<th>P140</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fan Speed</td>
<td>High</td>
<td>34</td>
<td>34</td>
<td>38</td>
<td>39</td>
<td>41</td>
<td>42</td>
<td>42</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Low</td>
<td>27</td>
<td>27</td>
<td>32</td>
<td>32</td>
<td>35</td>
<td>34</td>
<td>34</td>
<td>34</td>
</tr>
</tbody>
</table>

---

### One-side maintenance

All maintenance to the unit, including fan inspection and fan motor removal, can be conducted from the inspection opening on one side.

---

### Drain up mechanism (option) ensures up to 550mm* of lift

The introduction of an upper drain mechanism allows the drain connection to be raised as high as 550mm*, allowing more freedom in piping layout design and reducing horizontal piping requirements.

---

*: 21-1/16 in.
### Specifications

**PEFY-P40/50/63/71/80/100/125/140VMH-E**

#### Power supply
- Cooling: Indoor 21°C (69.8°F) DB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB (WR2: water 20°C (68°F))
- Heating: Indoor 27°C (80.6°F) DB / 19.5°C (67.1°F) WB, Outdoor 35°C (95°F) DB

#### Cooling/Heating capacity
- Cooling: 17,100 BTU/h, 47,800 kcal/h
- Heating: 30,700 BTU/h, 82,000 kcal/h

#### Drainage
- Drain hole: ø32 (1-1/4 inch)
- Drain pipe diameter: 22.5 mm (0.88 in.)

#### Airflow rate
- Indoor fan: 500 m³/h
- Outdoor fan: 1500 m³/h

#### Motor
- Single phase induction motor
- Power: 0.88 kW

#### Heat exchanger
- Net weight: 430 kg
- External finish: galvanizing

#### External dimensions
- Dimension: H x W x D: 830 x 750 x 900 mm
- Net weight: 250 kg

#### Motor Type
- Type: PEFY-P40/50/63/71/80/100/125/140VMH-E
- Current: 0.88 A
- Power consumption: 1 kW
- Power source: 220V

#### Refrigerant piping
- Flare connection (liquid): HP
- Flare connection (gas): LP

#### External dimensions (option)
- Drain water lifting-up mechanism

---

**PEFY-P125/140VMH-E**

#### Power supply
- Cooling: Indoor 21°C (69.8°F) DB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB (WR2: water 20°C (68°F))
- Heating: Indoor 27°C (80.6°F) DB / 19.5°C (67.1°F) WB, Outdoor 35°C (95°F) DB

#### Cooling/Heating capacity
- Cooling: 21,500 BTU/h, 54,600 kcal/h
- Heating: 34,100 BTU/h, 95,500 kcal/h

#### Drainage
- Drain hole: ø32 (1-1/4 inch)
- Drain pipe diameter: 22.5 mm (0.88 in.)

#### Airflow rate
- Indoor fan: 550 m³/h
- Outdoor fan: 1700 m³/h

#### Motor
- Single phase induction motor
- Power: 1.25 kW
- Power consumption: 3.6 kW
- Power source: 380V

#### Refrigerant piping
- Flare connection (liquid): HP
- Flare connection (gas): LP

#### External dimensions (option)
- Drain water lifting-up mechanism

---

**PEFY-P120/140VMH-E**

#### Power supply
- Cooling: Indoor 21°C (69.8°F) DB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB (WR2: water 20°C (68°F))
- Heating: Indoor 27°C (80.6°F) DB / 19.5°C (67.1°F) WB, Outdoor 35°C (95°F) DB

#### Cooling/Heating capacity
- Cooling: 27,300 BTU/h, 71,400 kcal/h
- Heating: 54,600 BTU/h, 142,000 kcal/h

#### Drainage
- Drain hole: ø32 (1-1/4 inch)
- Drain pipe diameter: 22.5 mm (0.88 in.)

#### Airflow rate
- Indoor fan: 700 m³/h
- Outdoor fan: 2200 m³/h

#### Motor
- Single phase induction motor
- Power: 2.0 kW
- Power consumption: 6.3 kW
- Power source: 380V

#### Refrigerant piping
- Flare connection (liquid): HP
- Flare connection (gas): LP

#### External dimensions (option)
- Drain water lifting-up mechanism

---

**PEFY-P160VMH-E**

#### Power supply
- Cooling: Indoor 21°C (69.8°F) DB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB (WR2: water 20°C (68°F))
- Heating: Indoor 27°C (80.6°F) DB / 19.5°C (67.1°F) WB, Outdoor 35°C (95°F) DB

#### Cooling/Heating capacity
- Cooling: 30,700 BTU/h, 82,000 kcal/h
- Heating: 71,800 BTU/h, 192,000 kcal/h

#### Drainage
- Drain hole: ø32 (1-1/4 inch)
- Drain pipe diameter: 22.5 mm (0.88 in.)

#### Airflow rate
- Indoor fan: 950 m³/h
- Outdoor fan: 2900 m³/h

#### Motor
- Single phase induction motor
- Power: 3.0 kW
- Power consumption: 9.5 kW
- Power source: 380V

#### Refrigerant piping
- Flare connection (liquid): HP
- Flare connection (gas): LP

#### External dimensions (option)
- Drain water lifting-up mechanism

---

**PEFY-P200VMH-E**

#### Power supply
- Cooling: Indoor 21°C (69.8°F) DB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB (WR2: water 20°C (68°F))
- Heating: Indoor 27°C (80.6°F) DB / 19.5°C (67.1°F) WB, Outdoor 35°C (95°F) DB

#### Cooling/Heating capacity
- Cooling: 34,100 BTU/h, 95,500 kcal/h
- Heating: 119,000 BTU/h, 326,000 kcal/h

#### Drainage
- Drain hole: ø32 (1-1/4 inch)
- Drain pipe diameter: 22.5 mm (0.88 in.)

#### Airflow rate
- Indoor fan: 1250 m³/h
- Outdoor fan: 4000 m³/h

#### Motor
- Single phase induction motor
- Power: 4.5 kW
- Power consumption: 13.5 kW
- Power source: 380V

#### Refrigerant piping
- Flare connection (liquid): HP
- Flare connection (gas): LP

#### External dimensions (option)
- Drain water lifting-up mechanism
### Specifications

#### Power source

<table>
<thead>
<tr>
<th>PEFY-P200VMH-E</th>
<th>PEFY-P250VMH-E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>3N - 380-415V 50Hz / 60Hz</td>
</tr>
<tr>
<td>Cooling</td>
<td>BTU/h</td>
</tr>
<tr>
<td>kW</td>
<td>22.4</td>
</tr>
<tr>
<td>Heating</td>
<td>kW</td>
</tr>
<tr>
<td>kW</td>
<td>25.0</td>
</tr>
</tbody>
</table>

#### Power consumption (50/60Hz)

<table>
<thead>
<tr>
<th></th>
<th>Cooling kW</th>
<th>Heating kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>0.99/1.14</td>
<td>0.99/1.15</td>
</tr>
<tr>
<td>Heating</td>
<td>1.62/1.86</td>
<td>2.0/2.3</td>
</tr>
<tr>
<td>Heating A</td>
<td>1.62/1.86</td>
<td>2.0/2.3</td>
</tr>
</tbody>
</table>

#### External finish

<table>
<thead>
<tr>
<th></th>
<th>Galvanizing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension</td>
<td>H x W x D</td>
</tr>
<tr>
<td>mm (in.)</td>
<td>470 x 1,250 x 1,120 (18-1/4&quot; x 49-1/4&quot; x 44-1/4&quot;)</td>
</tr>
</tbody>
</table>

#### Refrigerant piping brazing connection

<table>
<thead>
<tr>
<th></th>
<th>P250VMH-E</th>
<th>P200VMH-E</th>
</tr>
</thead>
<tbody>
<tr>
<td>ø25.4 (Brazing)</td>
<td>R410A</td>
<td></td>
</tr>
<tr>
<td>ø25.0 (Brazing)</td>
<td>R410A</td>
<td></td>
</tr>
</tbody>
</table>

#### Refrigerant piping brazing connection

<table>
<thead>
<tr>
<th></th>
<th>52(130Pa)/54(260Pa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigerant</td>
<td>50(110Pa)/52(220Pa)</td>
</tr>
<tr>
<td>Drain pipe</td>
<td>380V</td>
</tr>
<tr>
<td>pipe diameter</td>
<td>130(30Pa)/120(250Pa)</td>
</tr>
<tr>
<td>Liquid (Brazing)</td>
<td>9.52 (1/8&quot;) (R410A)</td>
</tr>
<tr>
<td>Liquid (Brazing)</td>
<td>12.7 (1/2&quot;) (R22, R407C)</td>
</tr>
<tr>
<td>Noise level</td>
<td>380V</td>
</tr>
<tr>
<td>dB(A)</td>
<td>42(110Pa)/45(220Pa)</td>
</tr>
<tr>
<td>dB(A)</td>
<td>50(110Pa)/52(220Pa)</td>
</tr>
</tbody>
</table>

#### External Dimensions

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>P200VMH-E</td>
<td>22</td>
<td>55</td>
</tr>
<tr>
<td>P250VMH-E</td>
<td>22</td>
<td>55</td>
</tr>
</tbody>
</table>

Note: 1. Use M10 screw for the lifting bolt (field supply).
2. Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned.
3. Make sure to install the air filter on the air intake side.
4. In case field supplied air filter is used, attach it where the filter service is easily done. 4. On this model, you would use pipe packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.