AIR CONDITIONING SYSTEMS

CITY MULTI

DATA BOOK

MODEL

PLFY-P-NFMU-E
PLFY-(E)P-NEMU-E
Ceiling cassette (4-way flow type)  

Indoor units

PLFY-P-NFMU-E, PLFY-(E)P-NEMU-E

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### 1. SPECIFICATIONS

#### Indoor units

<table>
<thead>
<tr>
<th>Power source</th>
<th>PLFY-P05NFMU-E</th>
<th>PLFY-P08NFMU-E</th>
<th>PLFY-P12NFMU-E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-phase 208-230 V</td>
<td>5,000</td>
<td>8,000</td>
<td>12,000</td>
</tr>
</tbody>
</table>

- **Cooling capacity (Nominal)**
  
  - BTU/h: 5,000
  - kW: 1.4
  - A: 0.06

- **Power input**
  
  - kW: 0.02
  - A: 0.19

- **Heating capacity (Nominal)**
  
  - BTU/h: 5,600
  - kW: 1.6

- **Cooling capacity (Nominal)**
  
  - BTU/h: 12,000
  - kW: 3.5
  - A: 0.42

- **Power input**
  
  - kW: 0.02
  - A: 0.19

#### External finish

- Galvanized steel sheet

#### External dimension H × W × D

- 570 × 570 × 570

#### External weight

- 28.9 (13.1)

#### Refrigerant

- Type: R410A

#### Heat exchanger

- Cross fin (Aluminum fin and copper tube)

#### Fan type

- Turbo fan

#### Motor type

- DC motor

#### Air flow rate (Low-Mid-High)

- cfm: 230-265-280
  
  - m³/min: 6.5-7.5-8.0

#### Sound pressure level (Low-Mid-High)

- dB <A>: 26-28-30

#### Insulation material

- PS

#### Air filter

- PP honeycomb fabric using the type

#### Refrigerant control device

- LEV

#### Refrigerant pipe diameter

- Gas (R410A) in. (mm): 1/2 (12.7)

#### Field drain pipe size


#### Wiring

- BH79N033H01

#### Refrigerant cycle

- Standard:

#### Installation Manual

- Documented

#### Unit convertor

1. Nominal cooling conditions

   - Indoor: 80°FDB/67°FWB (26.7°CDB/19.4°CWB)
   - Outdoor: 95°FDB (35°CDB)

   - BTU/h = kW × 3,412

   - Pipe length: 25 ft. (7.6 m)

2. Nominal heating conditions

   - Indoor: 70°FDB (21.1°CDB)
   - Outdoor: 47°FDB/43°FWB (8.3°CDB/6.1°CWB)

   - lbs = kg / 0.4536

   - Pipe length: 25 ft. (7.6 m)

---

*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.

* Due to continuing improvement, above specifications may be subject to change without notice.
# 1. SPECIFICATIONS

## 1. SPECIFICATIONS

### Indoor units

<table>
<thead>
<tr>
<th>Model</th>
<th>PLFY-P-NFMU-E</th>
<th>(E)P-NEMU-E</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indoor units</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>PLFY-P15NFMU-E</td>
<td>PLFY-P18NFMU-E</td>
</tr>
<tr>
<td><strong>Power source</strong></td>
<td>1-phase 208-230 V 60Hz</td>
<td></td>
</tr>
<tr>
<td><strong>Cooling capacity (Nominal)</strong></td>
<td>15,000 BTU / h 4.3 kW</td>
<td></td>
</tr>
<tr>
<td><strong>Power input</strong></td>
<td>0.03 kW 0.23 A</td>
<td></td>
</tr>
<tr>
<td><strong>Current input</strong></td>
<td>0.28 A</td>
<td></td>
</tr>
<tr>
<td><strong>Heating capacity (Nominal)</strong></td>
<td>17,000 BTU / h 5.2 kW</td>
<td></td>
</tr>
<tr>
<td><strong>Power input</strong></td>
<td>0.03 kW 0.23 A</td>
<td></td>
</tr>
<tr>
<td><strong>Current input</strong></td>
<td>0.28 A</td>
<td></td>
</tr>
<tr>
<td><strong>External dimensions</strong></td>
<td>8-3/16 × 22-7/16 × 22-7/16 in. 208 × 570 × 570 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Net weight</strong></td>
<td>31.3 lbs (14.2 kg)</td>
<td></td>
</tr>
<tr>
<td><strong>Decoration panel</strong></td>
<td>Model SLF-18FAU</td>
<td></td>
</tr>
<tr>
<td><strong>Fan</strong></td>
<td>Type × Quantity Turbo fan × 1.</td>
<td></td>
</tr>
<tr>
<td><strong>Motor output</strong></td>
<td>kW 0.05</td>
<td></td>
</tr>
<tr>
<td><strong>Driving mechanism</strong></td>
<td>Direct-driven</td>
<td></td>
</tr>
<tr>
<td><strong>Airflow rate</strong></td>
<td>(Low-Mid-High) cfm 265-315-390 (m3 / min 7.5-9.0-11.0 L / s 125-150-183)</td>
<td></td>
</tr>
<tr>
<td><strong>Sound pressure level</strong></td>
<td>(Low-Mid-High) dB (&lt;A&gt; 28-33-39 (measured in anechoic room) 33-39-43</td>
<td></td>
</tr>
<tr>
<td><strong>Insulation material</strong></td>
<td>PS</td>
<td></td>
</tr>
<tr>
<td><strong>Air filter</strong></td>
<td>PP honeycomb fabric (long life type)</td>
<td></td>
</tr>
<tr>
<td><strong>Protection device</strong></td>
<td>Fuse</td>
<td></td>
</tr>
<tr>
<td><strong>Installation Manual, Installation Book</strong></td>
<td>Accessory</td>
<td></td>
</tr>
<tr>
<td><strong>Remarks</strong></td>
<td>*PLFY-P-NFMU-E should be used with SLP-18FAU/SLF-18FAU.</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

- Unit convertor
  1. Nominal cooling conditions' \( \text{kcal/h} = \text{kW} \times 860 \)
  - Indoor:80°FDB/67°FWB (26.7°CDB/19.4°CWB)
  - Outdoor:95°FDB (35°CDB)
  - BTU/h = kW × 3,412
  - Pipe length:25ft. (7.6m), Level difference:0ft. (0m)  

- Nominal heating conditions
  - Indoor:70°FDB (21.1°CDB), Outdoor:47°FDB/43°FWB (8.3°CDB/6.1°CWB)  
  - Pipe length:25ft. (7.6m), Level difference:0ft. (0m)  
  - Above specification data is subject to rounding variation.

---

**MITSUBISHI ELECTRIC CORPORATION**

**ILH-2**
## 1. SPECIFICATIONS

### Indoor units

#### MEES17K166

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>1-phase 208-230 V 60Hz</td>
<td>1-phase 208-230 V 60Hz</td>
<td>1-phase 208-230 V 60Hz</td>
<td>1-phase 208-230 V 60Hz</td>
</tr>
<tr>
<td><strong>Cooling capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*1 BTU/h</td>
<td>8,000</td>
<td>12,000</td>
<td>15,000</td>
<td>18,000</td>
</tr>
<tr>
<td>*2 kW</td>
<td>2.4</td>
<td>3.6</td>
<td>4.4</td>
<td>5.3</td>
</tr>
<tr>
<td><strong>Current input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*1 A</td>
<td>0.03</td>
<td>0.03</td>
<td>0.03</td>
<td>0.03</td>
</tr>
<tr>
<td>*2 A</td>
<td>0.31</td>
<td>0.31</td>
<td>0.31</td>
<td>0.31</td>
</tr>
<tr>
<td><strong>Heating capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*1 BTU/h</td>
<td>9,000</td>
<td>13,500</td>
<td>17,000</td>
<td>20,000</td>
</tr>
<tr>
<td>*2 kW</td>
<td>2.7</td>
<td>4.0</td>
<td>5.0</td>
<td>5.9</td>
</tr>
<tr>
<td><strong>Current input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*1 A</td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
</tr>
<tr>
<td>*2 A</td>
<td>0.26</td>
<td>0.26</td>
<td>0.26</td>
<td>0.26</td>
</tr>
</tbody>
</table>

#### External finish

- Galvanized steel sheet

#### External dimension + W × D

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net weight</strong></td>
<td>46 (21)</td>
<td>46 (21)</td>
<td>46 (21)</td>
<td>46 (21)</td>
</tr>
</tbody>
</table>

#### Body dimensions

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net weight</strong></td>
<td>11 (5)</td>
<td>11 (5)</td>
<td>11 (5)</td>
<td>11 (5)</td>
</tr>
</tbody>
</table>

#### Drainage

- 1-1/4 (32) O.D.

#### Refrigerant Piping

<table>
<thead>
<tr>
<th>Liquid</th>
<th>1/4 (6.35) Flare</th>
<th>1/4 (6.35) Flare</th>
<th>1/4 (6.35) Flare</th>
<th>1/4 (6.35) Flare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas</td>
<td>1/2 (12.7) Flare</td>
<td>1/2 (12.7) Flare</td>
<td>1/2 (12.7) Flare</td>
<td>1/2 (12.7) Flare</td>
</tr>
</tbody>
</table>

#### Fan

<table>
<thead>
<tr>
<th>Model</th>
<th>Turbo fan</th>
<th>Turbo fan</th>
<th>Turbo fan</th>
<th>Turbo fan</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Motor Type</strong></td>
<td>DC motor</td>
<td>DC motor</td>
<td>DC motor</td>
<td>DC motor</td>
</tr>
<tr>
<td><strong>Motor output</strong></td>
<td>0.05 kW</td>
<td>0.05 kW</td>
<td>0.05 kW</td>
<td>0.05 kW</td>
</tr>
<tr>
<td><strong>Motor output</strong></td>
<td>0.05 kW</td>
<td>0.05 kW</td>
<td>0.05 kW</td>
<td>0.05 kW</td>
</tr>
</tbody>
</table>

#### Sound pressure level

<table>
<thead>
<tr>
<th>Model</th>
<th>27 - 30</th>
<th>30 - 31</th>
<th>27 - 30</th>
<th>30 - 31</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit converter</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Notes

- **Nominal cooling conditions**: Indoor: 80degF D.B. / 67degF W.B.
- **Nominal heating conditions**: Outdoor: 95degF D.B. / 47degF D.B. / 43degF W.B.

---

**Unit converter**

- Indoor: 80degF D.B. / 67degF W.B.
- Outdoor: 95degF D.B. / 47degF D.B. / 43degF W.B.

---

**High efficiency filter element**

- PAC-SH59KF-E

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**Multi-function casement**

- PAC-SJ41TM-E

---

**Wireless signal receiver**

- PAR-SR3LA-E

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**External heater adapter**

- PAC-YU25HT

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**Duct flange for fresh air intake**

- PAC-SH65OF-E

---

**Remarks**

- Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.
- Due to continuing improvement, above specification may be subject to change without notice.

---

**Notes**

- *1 Nominal cooling conditions
- *2 Nominal heating conditions
- Unit converter
### 1. SPECIFICATIONS

#### Indoor units

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indoor units</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power source</strong></td>
<td>1-phase 208-230 V / 60Hz</td>
<td>1-phase 208-230 V / 60Hz</td>
<td>1-phase 208-230 V / 60Hz</td>
<td>1-phase 208-230 V / 60Hz</td>
</tr>
<tr>
<td><strong>Cooling capacity</strong></td>
<td>*1 BTU/h 24,000</td>
<td>30,000</td>
<td>36,000</td>
<td>48,000</td>
</tr>
<tr>
<td><strong>Power input kW</strong></td>
<td>0.04</td>
<td>0.04</td>
<td>0.07</td>
<td>0.11</td>
</tr>
<tr>
<td><strong>Current input A</strong></td>
<td>0.43</td>
<td>0.45</td>
<td>0.73</td>
<td>1.01</td>
</tr>
<tr>
<td><strong>Heating capacity</strong></td>
<td>*2 BTU/h 27,000</td>
<td>34,000</td>
<td>40,000</td>
<td>54,000</td>
</tr>
<tr>
<td><strong>Power input kW</strong></td>
<td>0.04</td>
<td>0.04</td>
<td>0.07</td>
<td>0.11</td>
</tr>
<tr>
<td><strong>Current input A</strong></td>
<td>0.38</td>
<td>0.40</td>
<td>0.68</td>
<td>0.96</td>
</tr>
<tr>
<td><strong>External finish</strong></td>
<td>Galvanized steel sheet</td>
<td>Galvanized steel sheet</td>
<td>Galvanized steel sheet</td>
<td>Galvanized steel sheet</td>
</tr>
<tr>
<td><strong>Decoration panel</strong></td>
<td>Model PLP-40EAEU</td>
<td>Model PLP-40EAEU</td>
<td>Model PLP-40EAEU</td>
<td>Model PLP-40EAEU</td>
</tr>
<tr>
<td><strong>External finish</strong></td>
<td>MUNSELL (6.4Y 8.9/0.4)</td>
<td>MUNSELL (6.4Y 8.9/0.4)</td>
<td>MUNSELL (6.4Y 8.9/0.4)</td>
<td>MUNSELL (6.4Y 8.9/0.4)</td>
</tr>
<tr>
<td><strong>Net weight lbs (kg)</strong></td>
<td>11 (5)</td>
<td>11 (5)</td>
<td>11 (5)</td>
<td>11 (5)</td>
</tr>
</tbody>
</table>

#### Remarks
- Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.
- Due to continuing improvement, above specification may be subject to change without notice.

### notes
- *1 Nominal cooling conditions
- *2 Nominal heating conditions
- Unit converter
- Unit: m³/min = kg/s × 224.8
- Pipe length: 25 ft. (7.6 m)
- Level difference: 0 ft. (0 in.)

---

**Unit converter**
- Indoor: 80 degF D.B. / 67 degF W.B.
- Outdoor: 95 degF D.B. / 47 degF D.B. / 43 degF W.B.
### 1. SPECIFICATIONS

#### Indoor units

<table>
<thead>
<tr>
<th>Model</th>
<th>PLFY-P08NEMU-E</th>
<th>PLFY-P12NEMU-E</th>
<th>PLFY-P15NEMU-E</th>
<th>PLFY-P18NEMU-E</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power source</strong></td>
<td>1-phase 208-230 V 60Hz</td>
<td>208-230 V 60Hz</td>
<td>208-230 V 60Hz</td>
<td>208-230 V 60Hz</td>
</tr>
<tr>
<td><strong>Cooling capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* BTU/h</td>
<td>8,000</td>
<td>12,000</td>
<td>15,000</td>
<td>18,000</td>
</tr>
<tr>
<td>* kW</td>
<td>2.43</td>
<td>3.54</td>
<td>4.53</td>
<td>5.3</td>
</tr>
<tr>
<td><strong>Power input kW</strong></td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
</tr>
<tr>
<td><strong>Current input A</strong></td>
<td>0.25</td>
<td>0.26</td>
<td>0.29</td>
<td>0.29</td>
</tr>
<tr>
<td><strong>Heating capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* BTU/h</td>
<td>9,000</td>
<td>13,500</td>
<td>17,000</td>
<td>20,000</td>
</tr>
<tr>
<td>* kW</td>
<td>2.7</td>
<td>4.05</td>
<td>5.05</td>
<td>9.0</td>
</tr>
<tr>
<td><strong>Power input kW</strong></td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
</tr>
<tr>
<td><strong>Current input A</strong></td>
<td>0.20</td>
<td>0.21</td>
<td>0.24</td>
<td>0.24</td>
</tr>
</tbody>
</table>

#### External finish

- Galvanized steel sheet

#### External dimension

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>H × W × D mm</td>
<td>258 × 840 × 840</td>
<td>258 × 840 × 840</td>
<td>258 × 840 × 840</td>
<td>258 × 840 × 840</td>
</tr>
</tbody>
</table>

#### Net weight

<table>
<thead>
<tr>
<th>lbs (kg)</th>
<th>42 (19)</th>
<th>42 (19)</th>
<th>42 (19)</th>
<th>42 (19)</th>
</tr>
</thead>
</table>

#### Decoration panel

<table>
<thead>
<tr>
<th>Model</th>
<th>PLP-40EAU</th>
<th>PLP-40EAU</th>
<th>PLP-40EAU</th>
<th>PLP-40EAU</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>External finish</strong></td>
<td>MUNSELL (6.4Y 8.9/0.4)</td>
<td>MUNSELL (6.4Y 8.9/0.4)</td>
<td>MUNSELL (6.4Y 8.9/0.4)</td>
<td>MUNSELL (6.4Y 8.9/0.4)</td>
</tr>
<tr>
<td><strong>H × W × D mm</strong></td>
<td>40 × 950 × 950</td>
<td>40 × 950 × 950</td>
<td>40 × 950 × 950</td>
<td>40 × 950 × 950</td>
</tr>
<tr>
<td><strong>Net weight lbs (kg)</strong></td>
<td>11 (5)</td>
<td>11 (5)</td>
<td>11 (5)</td>
<td>11 (5)</td>
</tr>
</tbody>
</table>

#### Heat exchanger

- Cross fin

#### FAN

- Turbo fan × 1
- Speed: 0 (0 rpm) / 0 (0 rpm) / 0 (0 rpm)
- Power input kW: 0.02
- Current input A: 0.20

#### Motor

- Type: DC motor
- Power input kW: 0.05
- Motor output kW: 0.05

#### Air flow rate

|-----------------|----------------------------|----------------------------|----------------------------|----------------------------|

#### Sound pressure level (measured in anechoic room)

| (Low-Mid1-High) | 27 - 29 - 30 - 31 dB <A> | 27 - 29 - 30 - 31 dB <A> | 28 - 29 - 30 - 31 dB <A> | 28 - 30 - 31 - 32 dB <A> |

#### Refrigerant control device

- LEV

#### Connectable outdoor unit

- R410A CITY MULTI

#### Refrigerant pipe

<table>
<thead>
<tr>
<th>Liquid (R410A)</th>
<th>1/4 (6.35)</th>
<th>1/2 (12.7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas (R410A)</td>
<td>3/8 (9.52)</td>
<td>3/4 (19)</td>
</tr>
</tbody>
</table>

#### Standard attachment

| Document | Installation Manual, Operation Book |

#### Optional parts

- Grill
- Air outlet shutter plate
- High efficiency filter element
- Multi-function casement
- Wireless signal receiver
- External heater adapter
- Duct flange for fresh air intake

#### Remarks

- Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.
- Due to continuous improvement, above specification may be subject to change without notice.

---

Notes:

1. Nominal cooling conditions: 80degF D.B. / 67degF W.B.
2. Nominal heating conditions: 70degF D.B. / 75degF W.B.

Unit converter:

- C to F: \[ C = \frac{5}{9} \times (F - 32) \]
- F to C: \[ F = \frac{9}{5} \times C + 32 \]
- BTU/h to kW: WT = \[ \frac{W}{3,412} \]
- kcal/h to kW: \[ W = \frac{W}{860} \]
- lbs to kg: \[ W = \frac{W}{0.4536} \]
- Foot length: 25 ft. (7.6 m)
- Level difference: 0 ft. (0 m)

*Above specification data is subject to rounding variation.*
## 1. SPECIFICATIONS

### Indoor units

**Model**
- PLFY-P24NEMU-E
- PLFY-P30NEMU-E
- PLFY-P36NEMU-E
- PLFY-P48NEMU-E

**Power source**
- 1-phase 208-230 V 60Hz

**Cooling capacity**
- *1 BTU/h* 24,000 30,000 36,000 48,000
- *1 kW* 7.0 8.8 10.6 14.1
- Power input kW 0.04 0.05 0.08 0.10
- Current input A 0.41 0.56 0.90 0.99

**Heating capacity**
- *2 BTU/h* 27,000 34,000 40,000 54,000
- *2 kW* 7.9 10.0 11.7 15.8
- Power input kW 0.04 0.05 0.08 0.10
- Current input A 0.36 0.51 0.85 0.94

**External finish**
- Galvanized steel sheet

**External dimension H × W × D**
- 258 × 840 × 840
- 258 × 840 × 840
- 298 × 840 × 840
- 298 × 840 × 840

**Net weight lbs (kg)**
- 46 (21)
- 46 (21)
- 51 (23)
- 55 (25)

**Decoration panel**
- Model PLP-40EAU
- External finish MUNSELL (6.4Y 8.9/0.4)

**Field drain pipe size**
- O.D. 1-1/4 (32)

**Standard accessories**
- Installation Manual
- Installation book

**Optional parts**
- Air outlet shutter plate
- High efficiency filter element
- Wireless signal receiver
- Bracket for fresh air intake

**Remarks**
- *2 Nominal heating conditions: Indoor: 70degF D.B. (21.1degC D.B.)
  Outdoor: 47degF D.B. / 34degF W.B. (8.3degC D.B. / 1.8degC W.B.)
- Pipe length: 25 ft (7.6 m)
- Level difference: 0 ft (0 m)

---

**Unit converter**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>°F</th>
<th>°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.B.</td>
<td>80</td>
<td>26.7</td>
</tr>
<tr>
<td>W.B.</td>
<td>67</td>
<td>19.4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Temperature</th>
<th>°F</th>
<th>°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.B.</td>
<td>70</td>
<td>21.1</td>
</tr>
</tbody>
</table>

---

**Power factor**

<table>
<thead>
<tr>
<th>Power factor</th>
<th>kW</th>
<th>kVAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.04</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>0.05</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>0.08</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>0.10</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

---

**Cooling efficiency**

<table>
<thead>
<tr>
<th>Efficiency</th>
<th>kW</th>
<th>Btu/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.04</td>
<td>7.0</td>
<td>24,000</td>
</tr>
<tr>
<td>0.05</td>
<td>8.8</td>
<td>30,000</td>
</tr>
<tr>
<td>0.08</td>
<td>10.6</td>
<td>36,000</td>
</tr>
<tr>
<td>0.10</td>
<td>14.1</td>
<td>48,000</td>
</tr>
</tbody>
</table>

---

**Heating efficiency**

<table>
<thead>
<tr>
<th>Efficiency</th>
<th>kW</th>
<th>Btu/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.04</td>
<td>7.9</td>
<td>27,000</td>
</tr>
<tr>
<td>0.05</td>
<td>10.0</td>
<td>34,000</td>
</tr>
<tr>
<td>0.08</td>
<td>11.7</td>
<td>40,000</td>
</tr>
<tr>
<td>0.10</td>
<td>15.8</td>
<td>54,000</td>
</tr>
</tbody>
</table>

---

**Wiring**

<table>
<thead>
<tr>
<th>Wiring</th>
<th>RG79Y808</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG79Y808</td>
<td>RG79Y808</td>
</tr>
</tbody>
</table>

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**Connectable outdoor unit**

<table>
<thead>
<tr>
<th>Refrigerant piping</th>
<th>Liquid</th>
<th>Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 (9.52) Flare</td>
<td>3/8 (9.52) Flare</td>
<td></td>
</tr>
<tr>
<td>5/8 (15.88) Flare</td>
<td>5/8 (15.88) Flare</td>
<td></td>
</tr>
</tbody>
</table>

---

**Liquid refrigerant**

<table>
<thead>
<tr>
<th>Refrigerant</th>
<th>R410A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITY MULTI</td>
<td></td>
</tr>
</tbody>
</table>

---

**Standard attachment**

<table>
<thead>
<tr>
<th>Unit converter</th>
<th>Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>STL×19 (W)</td>
<td>46,000</td>
</tr>
<tr>
<td>STL×19 (W)</td>
<td>50,000</td>
</tr>
</tbody>
</table>

---

**Environmental conditions**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Indoor</th>
<th>Outdoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.B.</td>
<td>80</td>
<td>95</td>
</tr>
<tr>
<td>W.B.</td>
<td>67</td>
<td>47/43</td>
</tr>
</tbody>
</table>

---

**Protection device**

| Fuse | 80A |

---

**Motor output**

| kW | 0.05 | 0.05 | 0.12 | 0.12 |

---

**Driving mechanism**

| Type | DC motor |

---

**Air flow rate**

<table>
<thead>
<tr>
<th>CFM (Low-Mid1-High)</th>
<th>494-565-771</th>
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</thead>
<tbody>
<tr>
<td>m3/min (Low-Mid1-High)</td>
<td>14-17-25</td>
</tr>
<tr>
<td>L/s (Low-Mid1-High)</td>
<td>233-267-317</td>
</tr>
</tbody>
</table>

---

**Sound pressure level**

<table>
<thead>
<tr>
<th>dB(A) (Low-Mid1-High)</th>
<th>28-31-34</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-34-37</td>
<td>35-38-41</td>
</tr>
</tbody>
</table>

---

**Insulation material**

| Type | PS |

---

**Construction**

- *Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.*
- *Due to continuing improvement, above specification may be subject to change without notice.*

---

**Notes**

- *Indoor units: 208-230 V ~ 60Hz
  Outdoor units: 47degF D.B. / 34degF W.B. (8.3degC D.B. / 1.8degC W.B.)*

---

**Refrigerant cycle**

| Cycle | ---- |

---

**System connection**

<table>
<thead>
<tr>
<th>Indoor units</th>
<th>1-phase 208-230 V 60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>STL×19 (W)</td>
<td>46,000</td>
</tr>
<tr>
<td>STL×19 (W)</td>
<td>50,000</td>
</tr>
</tbody>
</table>
2. EXTERNAL DIMENSIONS

Indoor units

PLFY-P05, 08, 12, 15, 18NFMU-E

Unit: in. (mm)
2. EXTERNAL DIMENSIONS

Indoor units

PLFY-EP08, 12, 15, 18, 24, 30, 36, 48 NEMU-E

Unit: in.(mm)
2. EXTERNAL DIMENSIONS

PLFY-P08, 12, 15, 18, 24, 30, 36, 48 NEMU-E

Unit: in.(mm)
3. CENTER OF GRAVITY

Indoor units

**PLFY-P05, 08, 12, 15, 18NFMU-E**

<table>
<thead>
<tr>
<th>Model name</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLFY-P05NFMU-E</td>
<td>150 (5-29/32)</td>
<td>260 (10-1/4)</td>
<td>105 (4-5/32)</td>
</tr>
<tr>
<td>PLFY-P08NFMU-E</td>
<td>150 (5-29/32)</td>
<td>260 (10-1/4)</td>
<td>105 (4-5/32)</td>
</tr>
<tr>
<td>PLFY-P12NFMU-E</td>
<td>150 (5-29/32)</td>
<td>260 (10-1/4)</td>
<td>105 (4-5/32)</td>
</tr>
<tr>
<td>PLFY-P15NFMU-E</td>
<td>150 (5-29/32)</td>
<td>260 (10-1/4)</td>
<td>105 (4-5/32)</td>
</tr>
<tr>
<td>PLFY-P18NFMU-E</td>
<td>150 (5-29/32)</td>
<td>260 (10-1/4)</td>
<td>105 (4-5/32)</td>
</tr>
</tbody>
</table>

**PLFY-(E)P08, 12, 15, 18, 24, 30, 36, 48NEMU-E**

<table>
<thead>
<tr>
<th>Model name</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLFY-(E)P08NEMU-E</td>
<td>325 (12-13/16)</td>
<td>390 (15-3/8)</td>
<td>115 (4-17/32)</td>
</tr>
<tr>
<td>PLFY-(E)P12NEMU-E</td>
<td>325 (12-13/16)</td>
<td>390 (15-3/8)</td>
<td>115 (4-17/32)</td>
</tr>
<tr>
<td>PLFY-(E)P15NEMU-E</td>
<td>325 (12-13/16)</td>
<td>390 (15-3/8)</td>
<td>115 (4-17/32)</td>
</tr>
<tr>
<td>PLFY-(E)P18NEMU-E</td>
<td>325 (12-13/16)</td>
<td>390 (15-3/8)</td>
<td>115 (4-17/32)</td>
</tr>
<tr>
<td>PLFY-(E)P24NEMU-E</td>
<td>325 (12-13/16)</td>
<td>390 (15-3/8)</td>
<td>115 (4-17/32)</td>
</tr>
<tr>
<td>PLFY-(E)P30NEMU-E</td>
<td>325 (12-13/16)</td>
<td>390 (15-3/8)</td>
<td>115 (4-17/32)</td>
</tr>
<tr>
<td>PLFY-(E)P36NEMU-E</td>
<td>325 (12-13/16)</td>
<td>390 (15-3/8)</td>
<td>115 (4-17/32)</td>
</tr>
<tr>
<td>PLFY-(E)P48NEMU-E</td>
<td>325 (12-13/16)</td>
<td>390 (15-3/8)</td>
<td>115 (4-17/32)</td>
</tr>
</tbody>
</table>

Refrigerant pipe side
Refrigerant pipe
XYZ (mm) [in]
4. ELECTRICAL WIRING DIAGRAMS

Indoor units

PLFY-EP08, 12, 15, 18, 24, 30, 36, 48NEMU-E

NOTES:
1. If servicing for outdoor unit, always follow the wiring diagrams of outdoor unit.
2. Make sure to turn off the source power and then disconnect fan motor.
3. Use copper supply wires.
4.フューズ（16A） is the switch position.
5. Symbols used in wiring diagram above are, S: terminal block, C: connector.
6. In case of using M-NET-Remote controller, please connect to TB5. (Transmission line is non-polar.)
7. In case of using MA-Remote controller, please connect to TB15. (Remote controller wire is non-polar.)
8. Make sure to turn off the indoor and the outdoor units before replacing indoor controller board.
9. Refer to table 1. Refer to table 2.
10. To outdoor unit

LED on indoor board for service

<table>
<thead>
<tr>
<th>Mark</th>
<th>Meaning</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>10002</td>
<td>Remote controller</td>
<td>Power supply for MA-remote controller.</td>
</tr>
<tr>
<td>10002</td>
<td>Remote controller</td>
<td>Power supply for MB-remote controller.</td>
</tr>
<tr>
<td>10002</td>
<td>Remote controller</td>
<td>Power supply for MB-remote controller.</td>
</tr>
</tbody>
</table>
### 4. ELECTRICAL WIRING DIAGRAMS

**Indoor units**

**PLFY-P08, 12, 15, 18, 24, 30, 36, 48NEMU-E**

- Be sure to turn off the source power and then disconnect the motor connector before servicing the indoor unit.

#### Table 1: SW2 (Capacity Code)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3.5kW (12000 BTU)</td>
</tr>
<tr>
<td>B</td>
<td>4.0kW (14000 BTU)</td>
</tr>
<tr>
<td>C</td>
<td>4.5kW (16000 BTU)</td>
</tr>
<tr>
<td>D</td>
<td>5.0kW (18000 BTU)</td>
</tr>
</tbody>
</table>

#### Table 2: SW4 (Model Selection)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>PLFY-P08</td>
</tr>
<tr>
<td>B</td>
<td>NEMU-E</td>
</tr>
<tr>
<td>C</td>
<td>PLFY-P08</td>
</tr>
<tr>
<td>D</td>
<td>NEMU-E</td>
</tr>
</tbody>
</table>

#### Legend

- **MARK**
  - **SW**
  - **TB**
  - **CN**
  - **M2**
  - **W.B**
  - **W.B**

#### LED on indoor board for service

<table>
<thead>
<tr>
<th>Type</th>
<th>Meaning</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW1</td>
<td>Main power input</td>
<td>0 OFF, 1 ON</td>
</tr>
<tr>
<td>SW2</td>
<td>Wireless controller</td>
<td>0 → OFF, 1 → ON</td>
</tr>
</tbody>
</table>
### 5. SOUND LEVELS

#### 5.1. Sound levels

**Ceiling cassette series**

- **PLFY-P05NFMU-E**
  - External Static Pressure: 0Pa (0.00in.WG)
  - Power Source: 208-230V 60Hz
  - Unit: dB(A)

- **PLFY-P08NFMU-E**
  - External Static Pressure: 0Pa (0.00in.WG)
  - Power Source: 208-230V 60Hz
  - Unit: dB(A)

- **PLFY-P12NFMU-E**
  - External Static Pressure: 0Pa (0.00in.WG)
  - Power Source: 208-230V 60Hz
  - Unit: dB(A)

**PLFY-P15NFMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P18NFMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P24NFMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P36NFMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P48NFMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P08NEMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P12NEMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P18NEMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P24NEMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P36NEMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

**PLFY-P48NEMU-E**

- External Static Pressure: 0Pa (0.00in.WG)
- Power Source: 208-230V 60Hz
- Unit: dB(A)

---

#### 5.2. NC curves

<table>
<thead>
<tr>
<th>Model</th>
<th>External Static Pressure: 0Pa (0.00in.WG)</th>
<th>Power Source: 208-230V 60Hz</th>
<th>Unit: dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLFY-P05NFMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P08NFMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P12NFMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P15NFMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P18NFMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P24NFMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P36NFMU-E</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>PLFY-P48NFMU-E</td>
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<td></td>
</tr>
<tr>
<td>PLFY-P08NEMU-E</td>
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<td></td>
</tr>
<tr>
<td>PLFY-P12NEMU-E</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P18NEMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P24NEMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P36NEMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLFY-P48NEMU-E</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

MITSUBISHI ELECTRIC CORPORATION
5. SOUND LEVELS

Indoor units

- **PLFY-P24NEMU-E**
  - External Static Pressure: 0Pa [0.00in.WG]
  - Power Source: 208-230V 60Hz

- **PLFY-P30NEMU-E**
  - External Static Pressure: 0Pa [0.00in.WG]
  - Power Source: 208-230V 60Hz

- **PLFY-P36NEMU-E**
  - External Static Pressure: 0Pa [0.00in.WG]
  - Power Source: 208-230V 60Hz

- **PLFY-P48NEMU-E**
  - External Static Pressure: 0Pa [0.00in.WG]
  - Power Source: 208-230V 60Hz

- **PLFY-P18NEMU-E**
  - External Static Pressure: 0Pa [0.00in.WG]
  - Power Source: 208-230V 60Hz

- **PLFY-P12NEMU-E**
  - External Static Pressure: 0Pa [0.00in.WG]
  - Power Source: 208-230V 60Hz

- **PLFY-EP48NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P12NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P24NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P30NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P36NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P48NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P18NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P12NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P24NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P30NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P36NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P48NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P18NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P12NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P24NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P30NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P36NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P48NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P18NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P12NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P24NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P30NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P36NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P48NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P18NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P12NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P24NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P30NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P36NEMU-E**
  - Power Source: 208-230V 60Hz

- **PLFY-P48NEMU-E**
  - Power Source: 208-230V 60Hz
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

6-1. Temperature distributions

**PLFY-P05-18NFMU-E**

*Cooling mode*

Horizontal

Ceiling height: 2.7m (8.9ft)

*Heating mode*

Downward

Ceiling height: 2.7m (8.9ft)

Note: These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

**Indoor units**

**PLFY-(E)P08, 12NEMU-E**

- **Cooling mode**: Standard
  - Flow angle: 30° 4-way flow
  - Ceiling height: 2.7m (8.9ft)

- **Heating mode**: Standard
  - Flow angle: 60° 4-way flow
  - Ceiling height: 2.7m (8.9ft)

**PLFY-(E)P15NEMU-E**

- **Cooling mode**: Standard
  - Flow angle: 30° 4-way flow
  - Ceiling height: 2.7m (8.9ft)

- **Heating mode**: Standard
  - Flow angle: 60° 4-way flow
  - Ceiling height: 2.7m (8.9ft)

**PLFY-(E)P18NEMU-E**

- **Cooling mode**: Standard
  - Flow angle: 30° 4-way flow
  - Ceiling height: 2.7m (8.9ft)

- **Heating mode**: Standard
  - Flow angle: 60° 4-way flow
  - Ceiling height: 2.7m (8.9ft)

---

Note: These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

Indoor units

6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

PLFY-(E)P24, 30NEMU-E
<Cooling mode> Standard
Flow angle: 30° 4-way flow
ceiling height: 2.7m (8.9ft)

<Heating mode> Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m (8.9ft)

PLFY-(E)P36NEMU-E
<Cooling mode> Standard
Flow angle: 30° 4-way flow
ceiling height: 3.2m (10.5ft)

<Heating mode> Standard
Flow angle: 60° 4-way flow
ceiling height: 3.2m (10.5ft)

PLFY-(E)P48NEMU-E
<Cooling mode> Standard
Flow angle: 30° 4-way flow
ceiling height: 3.2m (10.5ft)

<Heating mode> Standard
Flow angle: 60° 4-way flow
ceiling height: 3.2m (10.5ft)

Note: These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

6-2. Airflow distributions

PLFY-P05-18NFMU-E

**Cooling mode**
- Horizontal
- Ceiling height: 2.7m (8.9ft)

**Heating mode**
- Downward
- Ceiling height: 2.7m (8.9ft)

Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

Indoor units

PLFY-(E)P08, 12NEMU-E

<Cooling mode>
Flow angle: 30°

<Heating mode>
Flow angle: 60°

PLFY-(E)P15NEMU-E

<Cooling mode>
Flow angle: 30°

<Heating mode>
Flow angle: 60°

PLFY-(E)P18NEMU-E

<Cooling mode>
Flow angle: 30°

<Heating mode>
Flow angle: 60°

Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

Indoor units

PLFY-(E)P24, 30NEMU-E
<Cooling mode>
Flow angle: 30°

<Heating mode>
Flow angle: 60°

PLFY-(E)P36NEMU-E
<Cooling mode>
Flow angle: 30°

<Heating mode>
Flow angle: 60°

PLFY-(E)P48NEMU-E
<Cooling mode>
Flow angle: 30°

<Heating mode>
Flow angle: 60°

Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.
7. OUTDOOR AIR INTAKE AMOUNT & STATIC PRESSURE

● PLFY-P05, 08, 12, 15, 18NFMU-E

At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required.

• A fresh air intake hole for the optional multi function casement can also be made.

**Note:** Fresh air intake amount should be 10% or less of whole air amount to prevent dew dripping.

● PLFY-(E)P08, 12, 15, 18, 24, 30, 36, 48NEMU-E

At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required. When installing the optional multi function casement, add 5-5/16" (135 mm) to the dimensions marked on the figure. When installing the branch ducts, be sure to insulate adequately. Otherwise, condensation and dripping may occur.
7. OUTDOOR AIR INTAKE AMOUNT & STATIC PRESSURE

Indoor units

- **PLFY-EP08, 12, 15, 18, 24, 30NEMU-E**
  - Multifunction casement + High efficiency filter
  - Multifunction casement + Standard filter

Taking air into the unit

- **PLFY-EP36, 48NEMU-E**
  - Multifunction casement + Standard filter
  - Multifunction casement + High efficiency filter

**How to read curves**

- Q: Designed amount of fresh air intake<br>
  - <CMM (CFM)>
- A: Static pressure loss of fresh air intake duct system with air flow amount Q<br>  - <Pa (in.W.G.×10^-2)>
- B: Forced static pressure at air conditioner inlet with air flow amount Q<br>  - <Pa (in.W.G.×10^-2)>
- C: Static pressure of booster fan with air flow amount Q<br>  - <Pa (in.W.G.×10^-2)>
- D: Static pressure loss increase amount of fresh air intake duct system for air flow amount Q<br>  - <Pa (in.W.G.×10^-2)>
- E: Static pressure of indoor unit with air flow amount Q<br>  - <Pa (in.W.G.×10^-2)>
- Qa: Estimated amount of fresh air intake without D<br>  - <CMM (CFM)>
7. OUTDOOR AIR INTAKE AMOUNT & STATIC PRESSURE

Indoor units

- PLFY-P08, 12, 15, 24, 30NEMU-E
  Multifunction casement + High efficiency filter

- PLFY-P36, 48NEMU-E
  Multifunction casement + Standard filter

Taking air into the unit

**How to read curves**

- **Q**: Designed amount of fresh air intake <CMM (CFM)>
- **A**: Static pressure loss of fresh air intake duct system with air flow amount Q <Pa (in.W.G.×10^-2)>
- **B**: Forced static pressure at air conditioner inlet with air flow amount Q <Pa (in.W.G.×10^-2)>
- **C**: Static pressure of booster fan with air flow amount Q <Pa (in.W.G.×10^-2)>
- **D**: Static pressure loss increase amount of fresh air intake duct system for air flow amount Q <Pa (in.W.G.×10^-2)>
- **E**: Static pressure of indoor unit with air flow amount Q <Pa (in.W.G.×10^-2)>
- **Qa**: Estimated amount of fresh air intake without D <CMM (CFM)>
### 8. ELECTRICAL CHARACTERISTICS

Indoor units

Symbols: MCA: Minimum Circuit Ampacity (=1.25xFLA) FLA: Full Load Amps

<table>
<thead>
<tr>
<th>Model</th>
<th>Indoor Unit</th>
<th>Hz</th>
<th>Volts</th>
<th>Voltage range</th>
<th>MCA(A)</th>
<th>Output (kW)</th>
<th>FLA(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLFY-P06NFMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.24/0.24</td>
<td>0.05/0.05</td>
<td>0.195/0.19</td>
<td></td>
</tr>
<tr>
<td>PLFY-P08NFMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.28/0.28</td>
<td>0.05/0.05</td>
<td>0.220/0.22</td>
<td></td>
</tr>
<tr>
<td>PLFY-P12NFMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.35/0.35</td>
<td>0.05/0.05</td>
<td>0.280/0.28</td>
<td></td>
</tr>
<tr>
<td>PLFY-P15NFMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.50/0.50</td>
<td>0.05/0.05</td>
<td>0.400/0.40</td>
<td></td>
</tr>
<tr>
<td>PLFY-P08NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.39/0.39</td>
<td>0.05/0.05</td>
<td>0.310/0.31</td>
<td></td>
</tr>
<tr>
<td>PLFY-P12NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.39/0.39</td>
<td>0.05/0.05</td>
<td>0.310/0.31</td>
<td></td>
</tr>
<tr>
<td>PLFY-P15NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.43/0.43</td>
<td>0.05/0.05</td>
<td>0.340/0.34</td>
<td></td>
</tr>
<tr>
<td>PLFY-P24NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.54/0.54</td>
<td>0.12/0.12</td>
<td>0.430/0.43</td>
<td></td>
</tr>
<tr>
<td>PLFY-P30NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.57/0.57</td>
<td>0.12/0.12</td>
<td>0.450/0.45</td>
<td></td>
</tr>
<tr>
<td>PLFY-P36NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.62/0.62</td>
<td>0.12/0.12</td>
<td>0.730/0.73</td>
<td></td>
</tr>
<tr>
<td>PLFY-P08NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>1.27/1.27</td>
<td>0.12/0.12</td>
<td>1.01/1.01</td>
<td></td>
</tr>
<tr>
<td>PLFY-P12NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.31/0.31</td>
<td>0.05/0.05</td>
<td>0.260/0.26</td>
<td></td>
</tr>
<tr>
<td>PLFY-P15NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.36/0.36</td>
<td>0.05/0.05</td>
<td>0.280/0.28</td>
<td></td>
</tr>
<tr>
<td>PLFY-P18NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.36/0.36</td>
<td>0.05/0.05</td>
<td>0.280/0.28</td>
<td></td>
</tr>
<tr>
<td>PLFY-P24NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.51/0.51</td>
<td>0.05/0.05</td>
<td>0.415/0.41</td>
<td></td>
</tr>
<tr>
<td>PLFY-P30NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>0.70/0.70</td>
<td>0.05/0.05</td>
<td>0.560/0.56</td>
<td></td>
</tr>
<tr>
<td>PLFY-P36NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>1.13/1.13</td>
<td>0.12/0.12</td>
<td>0.900/0.90</td>
<td></td>
</tr>
<tr>
<td>PLFY-P48NEMU-E</td>
<td>60Hz</td>
<td>208/230V</td>
<td>198 to 253V</td>
<td>1.24/1.24</td>
<td>0.12/0.12</td>
<td>0.990/0.99</td>
<td></td>
</tr>
</tbody>
</table>
9. OPTIONAL PARTS

9-1. Optional parts line up for the Indoor unit

<table>
<thead>
<tr>
<th>Description</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air outlet shutter plate</td>
<td>PAC-SJ37SP-E (for (E)P-NEMU)</td>
</tr>
<tr>
<td>Multi-function casement</td>
<td>PAC-SJ41TM-E (for (E)P-NEMU)</td>
</tr>
<tr>
<td>High efficiency filter element</td>
<td>PAC-SH59KF-E (for (E)P-NEMU)</td>
</tr>
<tr>
<td>3D i-see Sensor corner panel</td>
<td>PAC-SJ41TM-E (for P-NEMU)</td>
</tr>
<tr>
<td>3D i-see Sensor panel</td>
<td>SLP-18F7AEU (for P-Nemu)/PLP-40FAEU (for EP-NEMU)</td>
</tr>
<tr>
<td>Wireless signal receiver</td>
<td>PAC-SJ37SP-E (for P-NEMU)</td>
</tr>
<tr>
<td>External heater adapter</td>
<td>PAC-YU25HT (for (E)P-NEMU)</td>
</tr>
<tr>
<td>Duct flange for fresh air intake</td>
<td>PAC-SH65OF-E (for (E)P-NEMU)</td>
</tr>
</tbody>
</table>

Using the air outlet shutter plate to block the air outlet to modify the air-way from 4 to 3 or 2.
With one shutter plate, 4 air-ways can be changed to 3;
With two shutter plates, 4 air-ways can be changed to 2;
Changing to 1 way is not allowed.
Material: Foamed polyethylene + foamed urethane, color: Black

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shutter plate</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Shutter plate</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Detailed installation information should be referred to its Installation Manual.

9-2. Air outlet shutter plate

Using the air outlet shutter plate to block the air outlet to modify the air-way from 4 to 3 or 2.
With one shutter plate, 4 air-ways can be changed to 3;
With two shutter plates, 4 air-ways can be changed to 2;
Changing to 1 way is not allowed.
Material: Foamed polyethylene + foamed urethane, color: Black
9. OPTIONAL PARTS

9-3. High efficiency filter element

Life span: 2,500 hr (Dust concentration 0.15mg/m³); Colorimetric method 65% (JIS 11 class); No re-production.
* The actual dust situation affects the filter life span, which should be considered at the applying site.

Material: Electrostatic polyolefin fiber

High efficiency filter element PAC-SH59KF-E should be used together with the Multi-function casement PAC-SJ41TM-E. When using PAC-SH59KF-E, switching on SW21-5 of the Indoor unit address board is needed. Details should be referred to its Installation Manual.

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Detailed installation information is referred in its Installation Manual.

9-4. Multi-function casement

Multi-function casement is used for High efficiency filter element and/or fresh air intake from outdoor.
It should be used with High efficiency filter element PAC-SH59KF-E (Colorimetric method 65%).
Fresh air intake on the Multi-function casement is possible from any 2 or less corners among the 4 ones.
But duct and flange on the casement should be prepared locally.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-functional casement</td>
<td></td>
<td>!M5 × 0.8 × 25</td>
</tr>
<tr>
<td>Screw with washer (black)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Screw</td>
<td></td>
<td>!M5 × 0.8 × 12</td>
</tr>
<tr>
<td>Grille securing bracket</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Detailed installation information should be referred to its Installation Manual.

9-5. i-see Sensor corner panel

i-see Sensor provides comfortable space as it detects the floor temperature to prevent spotty temperature.
And that enables the unit to save energy.

Attention
Make sure that there are no gaps between the unit and the grille, and the grille and ceiling.
* It may cause dew dripping.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>i-see Sensor corner panel</td>
<td></td>
<td>!Plastic fastener</td>
</tr>
<tr>
<td>Plastic fastener</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Detailed installation information should be referred to its Installation Manual.
9. OPTIONAL PARTS

9-6. Wireless signal receiver

Wireless signal receiver PAR-SF9FA-E/PAR-SR3LA-E is necessary for using wireless remote controller.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless signal receiver for NFMU</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Wireless signal receiver for NEMU</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Detailed installation information should be referred to its Installation Manual.

9-7. Flange for fresh air intake

Using the flange for fresh air intake to connect to a 100(3-15/16 inch) duct.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Duct flange</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2 Insulator</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3 Screw</td>
<td>3</td>
<td>M4x10</td>
</tr>
</tbody>
</table>

Detailed installation information should be referred to its Installation Manual.
9. OPTIONAL PARTS

9-8. External heater adapter

External heater adapter PAC-YU25HT is a set of special wiring parts for controlling the electric heater* with the air conditioner system.

*The electric heater should be designed and prepared at the site.

A basic connection method is shown as follows (For details, refer to its Installation Manual.)

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>External output cable</td>
<td>2</td>
<td><img src="image1.png" alt="cable1" /></td>
</tr>
<tr>
<td>Connector (for use with the panel heater)</td>
<td>3</td>
<td><img src="image2.png" alt="cable2" /></td>
</tr>
</tbody>
</table>

For relay X use the specifications given below:

- **Operation coil**
  - Rated voltage: 12VDC
  - Power consumption: 1W or less

* Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

The length of the electrical wiring for the PAC-YU25HT is 2 meters (6-1/2 ft).

To extend this length, use sheathed 2-core cable.

- Control cable type: CVV, CVS, CPEV or equivalent.
- Cable size: 0.5 mm² ~ 1.25 mm² (16 to 22 AWG)

Don’t extend the cable more than 10 meters (32 ft).

1-phase power supply

- 208V, 230V/60Hz

**Control board**

- FS1, 2 —— Thermal fuse
- H1, H2 —— Electric heater
- 26H —— Overheat protection thermostat
- 88H —— Electromagnetic contactor

**Preparations in the field**

Maximum cable length is 10 m (32 ft)

Don’t extend the cable more than 10 meters (32 ft).
Warning

- Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
- Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, repair, or at the time of disposal of the unit.
- It may also be in violation of applicable laws.
- MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.
- Our air conditioning equipment and heat pumps contain a fluorinated greenhouse gas, R410A.