CMC090J

Job name: _____________________________ Approval: ____________________________
Location: ______________________________ Date: ________________________________
Engineer: ____________________________________ Construction: _______________________
Submitted to: ______________________________ Unit #: ______________________________
Submitted by: ______________________________ Drawing #: __________________________
Reference: ________________________________

Outdoor Unit Power 115 V - 1 Ph - 60 Hz

- Available Voltage Range: 105~127VAC
- Fuse Size, Max.: 25 A
- MCA: 17 A

Compressor: Automatic Adjustable Speed/ Rotary

- No. Used: 1
- Output: 980 W
- Lubricant Oil: FC268D
- Fan type: Axial flow
- Diameter: 15.7"
- Motor Output: 30 W
- airflow rate Cooling/ Heating (High): 1060

Refrigerant: R410A

- Outdoor unit: 1.54 lbs
- O.D. Discharge: 1/4"
- O.D Suction: 3/8"

Dimensions

- Uncrated
  - (in): 33.4\times21.3\times12.6
  - (mm): 848\times540\times320
- Crated
  - (in): 34.6\times14.2\times22.8
  - (mm): 881\times360\times595

Weight

- Net: 62.8 lbs 28.5 kg
- Gross Shipping: 68.3 lbs 31 kg

Cooling

- Rated Capacity: 9000 BTU/h
- Max-Min Capacity: 10900 / 2700 BTU/h
- Rated input: 895 W
- Max. Power input: 1270 W
- SEER: 15
- Outdoor Sound Rating: 63 dB

Heating

- Rated Capacity: 9600 BTU/h
- Max-Min Capacity: 12280 / 2080 BTU/h
- Rated Power input: 853 W
- Max. Power input: 1250 W
- HSPF: 9
- Outdoor Sound Rating: 63 dB

Piping Lengths

- Max. Piping Length (Total): 65.6 ft.
- Max. Pipe Height Difference: 32.8 ft.
- Connection method: (Flared)

Operating Range

- Cooling: 0~115°F
- Heating: -5~75.2°F

Note: Specifications are based on the following conditions.

- Cooling: Indoor temperature of 80°F(26.67°C)/DB / 67°F(19.44°C)/WB, and outdoor temperature of 95°F(35°C)/DB/75°F(23.89°C)/WB.
- Heating: Indoor temperature of 70°F(21.11°C)/DB / 60°F(15.56°C)/WB, and outdoor temperature of 47°F(8.33°C)/DB/43°F(6.11°C)/WB.
- Pipe length: 16 ft. Sin (5°), Height difference: 0 ft. (0m) [Outdoor unit - Indoor unit]
### Model: MAGNUM 16 SEER

**EMC090J**

<table>
<thead>
<tr>
<th>Model</th>
<th>EMC090J</th>
</tr>
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<tbody>
<tr>
<td>Power</td>
<td>115 V - 1 Ph - 60 Hz</td>
</tr>
<tr>
<td>Available Voltage Range</td>
<td>105~127VAC</td>
</tr>
<tr>
<td>Fan</td>
<td></td>
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<tr>
<td>Type</td>
<td>Cross-flow</td>
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<tr>
<td>Motor Output</td>
<td>20 W</td>
</tr>
<tr>
<td>MCA</td>
<td>0.24 A</td>
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<tr>
<td>Cooling Speed Hi-Lo</td>
<td>1350-750 RPM</td>
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<tr>
<td>Heating Speed Hi-Lo</td>
<td>1350-850 RPM</td>
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<tr>
<td>Sound pressure level</td>
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<tr>
<td>Cooling Lo-Hi</td>
<td>28.44 dB</td>
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<tr>
<td>Heating Lo-Hi</td>
<td>30.44 dB</td>
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<td>Airflow rate</td>
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<tr>
<td>Cooling Lo-Hi</td>
<td>171-318 CFM</td>
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<tr>
<td>Heating Lo-Hi</td>
<td>171-318 CFM</td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
</tr>
<tr>
<td>Uncrated</td>
<td>(in) 31.1 x 10.8 x 7.8</td>
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<tr>
<td></td>
<td>(mm) 790 x 275 x 200</td>
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<tr>
<td>Crated</td>
<td>(in) 34 x 10.7 x 14.5</td>
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<td></td>
<td>(mm) 866 x 367 x 271</td>
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<tr>
<td>Weight</td>
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</tr>
<tr>
<td>Net</td>
<td>19.8 lbs / 9kg</td>
</tr>
<tr>
<td>Gross Shipping</td>
<td>24.2 lb / 11 kg</td>
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</table>

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**R410a Refrigerant**

**Note:** Specifications are based on the following conditions:

- Power source of specifications: 115 V ~
- Cooling: Indoor temperature of 80°F(26.6°C)DB / 67°F(19.4°C)WB, and outdoor temperature of 95°F(35°C)DB/75°F(23.8°C)WB.
- Heating: Indoor temperature of 70°F(21.1°C)DB / 60°F(15.56°C)WB, and outdoor temperature of 47°F(8.3°C)DB/43°F(6.11°C)WB.
- Pipe length: 16ft. Sin (5m), Height difference: 0 ft (0m) [Outdoor unit - Indoor unit]

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