INDUSTRY STANDARDS
UL/cUL Listed; Type 12; File No. SA6453
CE
IP 54 Internal Loop
IP 34 on External Loop

APPLICATION
• Industrial automation
• Package handling equipment
• Security and defense systems

FEATURES
• Narrow design accommodates 12-in. deep cabinets
• R134a earth-friendly refrigerants
• Models for 115, 230 and 460 VAC power input
• UL Listed to save customers time and money with agency approvals
• Attractive industrial design with minimal use of visible fasteners
• Reliable mechanical thermostat is located behind the cover of the unit; Air Conditioner models include digital display on ambient side
• Galvanized sheet-metal cover for rugged factory environments
• Easy-mount flanges for simple installation
• Cut-out adapter options for enclosures with McLean GENESIS® air conditioners enable users to easily transition to the new unit

• Dust-resistant condenser coil allows the unit to be run filterless in most applications
• Cleanable, reusable aluminum mesh filter protects coils for maximum cooling performance
• Mounting hardware, gaskets and user manual furnished with the unit
• Every unit functionally tested before shipping
• Standard Indoor Air Conditioner models also include:
  - Active condensate management with heater strip
  - Power-off relay for door switch and other system requirements
  - Malfunction switch

SPECIFICATIONS
• Nominal cooling capacity:
  N17 1000 BTU/Hr. (293 W)
  N17 1800 BTU/Hr. (527 W)
• Operating temperature range from 50 F/10 C to 125 F/52 C

FINISH
• RAL 7035 light-gray, semi-textured powder-coat paint
• Other colors and textures available

NOTES
Visit www.McLeanCoolingTech.com to download 2D and 3D CAD drawings into the overall design of your electronic system.
### Performance Data  
N17 Models 1000/1800 BTU/Hr (300/527 Watt)

#### CATALOG NUMBER

<table>
<thead>
<tr>
<th>Indoor Model</th>
<th>N170116G010</th>
<th>N170126G010</th>
<th>N170146G010</th>
<th>N170216G010</th>
<th>N170226G010</th>
<th>N170246G010</th>
</tr>
</thead>
</table>

#### COOLING PERFORMANCE

<table>
<thead>
<tr>
<th>Nominal</th>
<th>908/1025</th>
<th>908/1025</th>
<th>908/1025</th>
<th>1500/1800</th>
<th>1500/1800</th>
<th>1500/1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTU/Hr.</td>
<td>266/300</td>
<td>266/300</td>
<td>266/300</td>
<td>440/527</td>
<td>440/527</td>
<td>440/527</td>
</tr>
<tr>
<td>Watts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-134a</td>
<td></td>
<td></td>
<td></td>
<td>R-134a</td>
<td>R-134a</td>
<td>R-134a</td>
</tr>
<tr>
<td>5/142</td>
<td></td>
<td></td>
<td></td>
<td>5.9/156</td>
<td>5.9/156</td>
<td>5.9/156</td>
</tr>
<tr>
<td>Maximum (°F/°C)</td>
<td>125/52</td>
<td>125/52</td>
<td>125/52</td>
<td>125/52</td>
<td>125/52</td>
<td>125/52</td>
</tr>
<tr>
<td>Minimum (°F/°C)</td>
<td>50/10</td>
<td>50/10</td>
<td>50/10</td>
<td>50/10</td>
<td>50/10</td>
<td>50/10</td>
</tr>
<tr>
<td>Indoor loop 50 Hz (CFM / m³/hr.)</td>
<td>57/97</td>
<td>57/97</td>
<td>57/97</td>
<td>61/104</td>
<td>61/104</td>
<td>61/104</td>
</tr>
<tr>
<td>External loop 50 Hz (CFM / m³/hr.)</td>
<td>96/163</td>
<td>96/163</td>
<td>96/163</td>
<td>98/167</td>
<td>98/167</td>
<td>98/167</td>
</tr>
<tr>
<td>Internal loop 60 Hz (CFM / m³/hr.)</td>
<td>67/114</td>
<td>67/114</td>
<td>67/114</td>
<td>72/122</td>
<td>72/122</td>
<td>72/122</td>
</tr>
<tr>
<td>External loop 60 Hz (CFM / m³/hr.)</td>
<td>114/194</td>
<td>114/194</td>
<td>114/194</td>
<td>118/200</td>
<td>118/200</td>
<td>118/200</td>
</tr>
</tbody>
</table>

#### ELECTRICAL DATA

<table>
<thead>
<tr>
<th>Rated Voltage</th>
<th>110/115</th>
<th>220/208-230</th>
<th>400/460</th>
<th>110/115</th>
<th>220/208-230</th>
<th>400/460</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency (Hz)</td>
<td>50/60</td>
<td>50/60</td>
<td>50/60</td>
<td>50/60</td>
<td>50/60</td>
<td>50/60</td>
</tr>
<tr>
<td>Operating Range</td>
<td>+/- 10%</td>
<td>+/- 10%</td>
<td>+/- 10%</td>
<td>+/- 10%</td>
<td>+/- 10%</td>
<td>+/- 10%</td>
</tr>
<tr>
<td>Max. Nominal Current [A at 50/60 Hz]</td>
<td>4.4/3.9</td>
<td>2.3/2.1</td>
<td>1.2/1.2</td>
<td>7.0/7.1</td>
<td>4.0/3.5</td>
<td>2.0/2.0</td>
</tr>
<tr>
<td>Starting Current (A)</td>
<td>18</td>
<td>8.5</td>
<td>4.25</td>
<td>28</td>
<td>14.4</td>
<td>7.2</td>
</tr>
<tr>
<td>Agency Approvals</td>
<td>UL/cUL Listed</td>
<td>CE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Input Description</td>
<td>Terminal Block</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### ENCLOSURE PROTECTION

<table>
<thead>
<tr>
<th>UL Type</th>
<th>Type 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP</td>
<td>IP 54</td>
</tr>
</tbody>
</table>

#### CONTROLLER (...G010 Models)

<table>
<thead>
<tr>
<th>Thermostat Location</th>
<th>Behind Cover, Right Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factory Thermostat Setting (°F/°C)</td>
<td>80/27</td>
</tr>
</tbody>
</table>

#### CONTROLLER (...G020 Models)

<table>
<thead>
<tr>
<th>Thermostat Location</th>
<th>Ambient Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factory Thermostat Setting (°F/°C)</td>
<td>80/27</td>
</tr>
</tbody>
</table>

#### SOUND LEVEL

At 1.5 Meters: 6.5 dBA

#### UNIT CONSTRUCTION

<table>
<thead>
<tr>
<th>Material</th>
<th>Galvanized sheet metal standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish</td>
<td>RAL 7035 light-gray, semi-textured powder-coat paint standard</td>
</tr>
<tr>
<td>Other colors available</td>
<td></td>
</tr>
</tbody>
</table>

#### ACCESSORIES

EASYSWAP Adaptor Plenum (GENESIS™ M13) Enables SPECTRACOOL to be mounted to a GENESIS M13 air conditioner cutout Catalog Number PLM13N17

NOTE: EASYSWAP adaptor plenum not required for M17. It is the same cutout as N17.

#### UNIT DIMENSIONS

<table>
<thead>
<tr>
<th>Height (in./mm)</th>
<th>17.64/448.1</th>
<th>17.64/448.1</th>
<th>22.14/562.4</th>
<th>17.64/448.1</th>
<th>17.64/448.1</th>
<th>22.14/562.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (in./mm)</td>
<td>12.0/304.8</td>
<td>12.0/304.8</td>
<td>12.0/304.8</td>
<td>12.0/304.8</td>
<td>12.0/304.8</td>
<td>12.0/304.8</td>
</tr>
<tr>
<td>Depth (in./mm)</td>
<td>8.4/213.4</td>
<td>8.4/213.4</td>
<td>8.4/213.4</td>
<td>8.4/213.4</td>
<td>8.4/213.4</td>
<td>8.4/213.4</td>
</tr>
<tr>
<td>Weight (lb./kg)</td>
<td>50/23</td>
<td>50/23</td>
<td>66/30</td>
<td>54/25</td>
<td>54/25</td>
<td>73/33</td>
</tr>
</tbody>
</table>

*Units with Remote Access Control utilize a digital controller and communicate via SNMP over ethernet or modbus RTU over USB.
Performance Curves for N17 Models 1000 BTU/Hr. (293 Watt)

N17-0116-GXXX Capacity Curves at 50 Hz

Ambient Air In (°F)

Cooling Capacity (BTU/Hr.)

Ambient Air In (°C)

Enclosure Air Temperature

N17-0116-GXXX Capacity Curves at 60 Hz

Ambient Air In (°F)

Cooling Capacity (BTU/Hr.)

Ambient Air In (°C)

Enclosure Air Temperature
Performance Curves for N17 Models 1000/2000 BTU/Hr. (293/585 Watt)

**N17-01(2/4)6-GXXX Capacity Curves at 50 Hz**

- Ambient Air In (°C)
- Cooling Capacity (BTU/Hr)
- Cooling Capacity (W)

**N17-01(2/4)6-GXXX Capacity Curves at 60 Hz**

- Ambient Air In (°F)
- Cooling Capacity (BTU/Hr)
- Cooling Capacity (W)
Performance Curves for N17 Models 1000 BTU/Hr. (293 Watt)

N17-0216-GXXX Capacity Curves at 50 Hz

Ambient Air In (°C)

Ambient Air In (°F)

52 C  
126 F

45 C  
113 F

35 C  
95 F

25 C  
77 F

Cooling Capacity (BTU/Hr)

Enclosure Air Temperature

N17-0216-GXXX Capacity Curves at 60 Hz

Ambient Air In (°C)

Ambient Air In (°F)

52 C  
126 F

45 C  
113 F

35 C  
95 F

25 C  
77 F

Cooling Capacity (BTU/Hr)

Enclosure Air Temperature
Performance Curves for N17 Models 1000/2000 BTU/Hr. (293/585 Watt)

**N17-02(2/4)6-GXXX Capacity Curves at 50 Hz**

![Graph showing capacity curves at 50 Hz](image)

**N17-02(2/4)6-GXXX Capacity Curves at 60 Hz**

![Graph showing capacity curves at 60 Hz](image)
N17 Models 1000/1800 BTU/Hr. (300/527 Watt)

Visit www.McLeanCoolingTech.com to download 2D and 3D CAD drawings into the overall design of your electronic system.