MCA SERIES

- 1/4 to 30 Tons Cooling Capacity for 20°F to 70°F Process Fluid
- Indoor Units with Air-Cooled Condenser

Air-Cooled portable water chillers can be installed and operated easily needing only a source of electrical power, coolant fluid and a process load to be cooled and controlled. All portable water chillers are delivered fully charged, tested and ready to run right out of the box.

2 - 30 Ton Models ... Temperature control is achieved by using an advanced microprocessor control instrument. The control instrument maintains precise temperature control while protecting all system components.

- Easy to navigate LCD display.
- Home screen includes continuous setpoint and to process temperature.
- Out-of-spec alarm including standard audible signal.
- Solid state temperature sensors.
- Selectable SPI or Modbus RTU communication.
- Provides capacity modulation from 50 - 100%.

1/4 - 1.5 Ton Models ... The standard chiller control provides basic temperature and machine status monitoring.

- Accurate control
- Large & Bright LED temperature display
- Digital Setpoint selection with soft touch keys
- Illuminated Chiller On / Off switch
- Compressor On light
- Basic chiller diagnostics with Refrigeration Fault light
- Capacity control light
## SPECIFICATIONS

### CONDENSER

<table>
<thead>
<tr>
<th>Condenser Type</th>
<th>CFM x 1000</th>
<th>S.P.</th>
<th>Nominal Capacity</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air-Cooled</td>
<td>4.5</td>
<td>0.45</td>
<td>15</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>6.5</td>
<td>0.65</td>
<td>20</td>
<td>23</td>
</tr>
</tbody>
</table>

### PROCESS PUMP

<table>
<thead>
<tr>
<th>Model</th>
<th>Horsepower (HP)</th>
<th>Voltage</th>
<th>S.P.</th>
</tr>
</thead>
<tbody>
<tr>
<td>115/60</td>
<td>17</td>
<td>230</td>
<td>54</td>
</tr>
<tr>
<td>230/60</td>
<td>9</td>
<td>230</td>
<td>65</td>
</tr>
</tbody>
</table>

### TANK CAPACITY

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (gallons)</th>
<th>Height (inches)</th>
<th>Depth (inches)</th>
<th>Weight (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,100</td>
<td>220</td>
<td>33</td>
<td>24</td>
<td>220</td>
</tr>
</tbody>
</table>

### WEIGHTS

| Shipping | 220 | 265 | 345 | 350 | 415 | 600 | 800 | 800 | 1,100 | 1,100 | 1,600 | 2,200 | 2,300 | 2,000 | 2,200 | 2,600 | 3,200 | 3,400 |

### NOTES

1. Tons or Kilowatts capacity at 12,000 Btu/hr/ton @ 50°F LWT, 95°F ambient and 115°F condensing. (90°F ambient and 110°F condensing for .5-1.5 ton models.)
2. R = hermetic reciprocating. SC = hermetic scroll. DSC = Copeland Digital Scroll™.
3. P = positive displacement. C = centrifugal.
5. F = fan. B = blower.
6. Static pressure in inches of water.
7. Design ambient conditions. Loss of capacity and/or difficulty operating will occur at higher ambient.
8. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring.
10. Approximate unit weight crated for shipment.

---

### Model Designator

- **MCA-10**
  - **Nominal Capacity in Tons**
  - **Condenser Type A: Air-Cooled**
  - **MC: Milacron Chiller**

---

**Milacron**

4165 Halfacre Road  Batavia, Ohio  45103  www.milacron.com  Phone:  513-536-2584

©2019 Milacron  Form #ADV-989  updated 03/11/2019