PORTABLE CHILLERS

- 2 to 3 Tons Capacity
- Microprocessor Based Chiller Control
- Single Refrigerant Zone
- Steel Frame & Cabinetry
- Hermetic Compressor
- Brazed Plate Evaporator
- Non Ozone Depleting Refrigerants

The CF Series portable chiller provides precision temperature control from an economically affordable and reliable unit. Perfect for applications such as plastic injection molding, blow molding, extrusion and other industrial applications.

TEMPERATURE RANGE
- 20° - 65°F

REFRIGERANT CIRCUIT
- Hermetic scroll compressor
- Compressor suction service valve
- Compressor discharge service valve
- Braze plate evaporator
- Air-cooled condenser with fan induced air flow on CF-2A & CF-3A
- Water-cooled condenser on CF-2W and CF-3W models
- Liquid line solenoid valve
- Sight glass with moisture indicator
- Thermostatic expansion valve
- Hot gas by-pass capacity control
- Environmentally friendly refrigerants

COOLANT CIRCUIT
- Large capacity process pump
- Insulated internal reservoir

ELECTRICAL
- Nema 1 construction
- Process pump motor starter
- Compressor motor starter
- Fused transformer
- Power entry terminal block

LIMIT DEVICES
- Compressor motor overload protection
- Refrigerant high pressure switch
- Refrigerant low pressure switch
- Instrument control circuit fuse

FRAME
- Female NPT process connections
- Galvanized steel frame
- Polyethylene cover panel
- Casters

WARRANTY & SERVICE
- 1 year on parts & labor
- Nationwide network of service contractors
### SPECIFICATIONS

**MECHANICAL COMPONENTS**

A - From Processor Connection  
B - To Processor Connection  
C - Reservoir Tank  
D - Electrical Cabinet  
E - Instrument (not visible from this angle)  
F - Galvanized Steel Cabinet  
G - Caster  
H - Optional Coolant Bypass Valve  
I - Centrifugal Pump  
J - Air-Cooled Condenser/Fan Assembly (Air-Cooled Models Only)  
K - 10' Power Cord

**WEIGHTS (pounds)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CF-2A</th>
<th>CF-3A</th>
<th>CF-4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPACITY (ton/year)</td>
<td>2t</td>
<td>3t</td>
<td>4t</td>
</tr>
<tr>
<td>KW</td>
<td>7.0</td>
<td>10.5</td>
<td>14.0</td>
</tr>
</tbody>
</table>

**COMPRESSOR**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CF-2A</th>
<th>CF-3A</th>
<th>CF-4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Type</td>
<td>C</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>Construction</td>
<td>SS</td>
<td>SS</td>
<td>SS</td>
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</tbody>
</table>

**REFRIGERANT**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CF-2A</th>
<th>CF-3A</th>
<th>CF-4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP</td>
<td>¼</td>
<td>¾</td>
<td>¾</td>
</tr>
<tr>
<td>GPM</td>
<td>4.8</td>
<td>7.2</td>
<td>9.6</td>
</tr>
<tr>
<td>PSI</td>
<td>32</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Type</td>
<td>C</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>Construction</td>
<td>SS</td>
<td>SS</td>
<td>SS</td>
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</tbody>
</table>

**PROCESS PUMP**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CF-2A</th>
<th>CF-3A</th>
<th>CF-4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP</td>
<td>⅛</td>
<td>⅜</td>
<td>⅜</td>
</tr>
<tr>
<td>GPM</td>
<td>8</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>PSI</td>
<td>32</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Type</td>
<td>C</td>
<td>C</td>
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<th>CF-2A</th>
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<th>CF-4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping</td>
<td>415</td>
<td>600</td>
<td>800</td>
</tr>
</tbody>
</table>

**DIMENSIONS (inches)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CF-2A</th>
<th>CF-3A</th>
<th>CF-4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>30</td>
<td>43</td>
<td>60</td>
</tr>
<tr>
<td>Width</td>
<td>37</td>
<td>34</td>
<td>34</td>
</tr>
<tr>
<td>Depth</td>
<td>24</td>
<td>40</td>
<td>40</td>
</tr>
</tbody>
</table>

**TANK CAPACITY (gallons)**

<table>
<thead>
<tr>
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<th>CF-2A</th>
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<th>CF-4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holding</td>
<td>7½</td>
<td>7½</td>
<td>25</td>
</tr>
<tr>
<td>Tank Lid</td>
<td>O</td>
<td>O</td>
<td>S</td>
</tr>
<tr>
<td>Auto Make Up</td>
<td>O</td>
<td>O</td>
<td>O</td>
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</tbody>
</table>

**AMPERAGE**

<table>
<thead>
<tr>
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<th>CF-2A</th>
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<th>CF-4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>115/160</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>230/160</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>230</td>
<td>17</td>
<td>20</td>
<td>24</td>
</tr>
<tr>
<td>460</td>
<td>8.5</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>575</td>
<td>--</td>
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</tr>
</thead>
<tbody>
<tr>
<td>Shipping</td>
<td>445</td>
<td>470</td>
<td></td>
</tr>
</tbody>
</table>

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**Notes**

1. Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice or liability. Selection of certain optional features may change listed specifications.
2. Tons or Kilowatts capacity at 12,000 Btu/hr. Refrigeration 50°F LWT, 95°F ambient and 115°F condensing. Capacity multipliers are 50°F - 1.00; 40°F - .80; 30°F - .60; 20°F - .40. The minimum recommended operating temperature when no glycol is used is 48°F.
3. R = hermetic reciprocating, SC = hermetic scroll.
4. P = positive displacement. C = centrifugal.
7. Static pressure in inches of water.
8. Design ambient conditions. Loss of capacity and/or difficulty operating will occur at higher ambient.
9. City water requirements based on 60°F water supply at 20 PSI differential with a clean condenser.
10. Tower water requirements based on 85°F water supply at 20 PSI differential with a clean condenser.
11. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring.
13. Approximate unit weight crated for shipment.

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**VOLUME & PERFORMANCE... for the LONG TERM**

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