25, 30 and 40-Ton Air-Cooled Portable Water Chillers

FEATURES

- Carlyle Semi-Hermetic Reciprocating Compressors with Electrical Multi-Stage Unloading Down to 33%
- Stainless Steel Braze Plate
- Brass Service Valves
- Large Copper Condensing Coil with Aluminum Fins
- Powder Coated, Heavy Gauge Steel Cabinet
- Rugged Stainless Steel Centrifugal Pumps with Safety Fuses
- Oversized Magnetic Contactors
- Stainless Steel Tank

BENEFITS

- Long Life - Dependable - Economical to Operate
- Compact Efficiency
- Allows for Field Service Without Dissassembly
- Easy Maintenance and Efficient
- Rugged Protection While Allowing for Easy Maintenance and Wash Down
- High Flow - Long Life - Dependable
- Rugged Dependability - Long Life
- Lifetime Warranty

(40-TON UNIT SHOWN)
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>CAPACITY ± 5% AT 50° LCWT/95° AMBIENT</th>
<th>25-TON 300,000 BTU/HR</th>
<th>30-TON 360,000 BTU/HR</th>
<th>40-TON 480,000 BTU/HR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
<td>ACWC-300-E</td>
<td>ACWC-360-E</td>
<td>ACWC-480-E</td>
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<tr>
<td>COMPRESSORS - CARRIER</td>
<td>SEMI-HERMETIC RECIPROCATING</td>
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<tr>
<td>EVAPORATOR</td>
<td>STAINLESS STEEL / COPPER BRAZED</td>
<td>STAINLESS STEEL / COPPER BRAZED</td>
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<tr>
<td>FLUID CONNECTION</td>
<td>2&quot; MNPT</td>
<td>2&quot; MNPT</td>
<td>2&quot; MNPT</td>
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<tr>
<td>FANS / CFM</td>
<td>2 / 15,700</td>
<td>2 / 15,700</td>
<td>3 / 15,700</td>
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<tr>
<td>CONDENSER COILS</td>
<td>COPPER TUBE / ALUMINUM FIN</td>
<td>COPPER TUBE / ALUMINUM FIN</td>
<td>COPPER TUBE / ALUMINUM FIN</td>
</tr>
<tr>
<td>VOLTAGE/PHASE/ 60HZ</td>
<td>208/230/3 460/3</td>
<td>208/230/3 460/3</td>
<td>208/230/3 460/3</td>
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<tr>
<td>MINIMUM CIRCUIT AMPS</td>
<td>151.4 73.0</td>
<td>172.3 81.0</td>
<td>229.75 103.25</td>
</tr>
<tr>
<td>DIMENSIONS (APPROX.)</td>
<td>5’9”W x 10’8”L x 4’4”H</td>
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<td>5’9”W x 14’6-1/2”L x 4’8”H</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>2200 LBS</td>
<td>2400 LBS</td>
<td>3000 LBS</td>
</tr>
<tr>
<td>PUMP</td>
<td>7.5 HP</td>
<td>7.5 HP</td>
<td>7.5 HP</td>
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<tr>
<td>PUMP OUTPUT</td>
<td>160 GPM @ 30 PSI</td>
<td>160 GPM @ 30 PSI</td>
<td>160 GPM @ 30 PSI</td>
</tr>
<tr>
<td>TANK SIZE</td>
<td>150 GAL</td>
<td>150 GAL</td>
<td>250 GAL</td>
</tr>
<tr>
<td>TANK CONSTRUCTION</td>
<td>Insulated Stainless Steel</td>
<td>Insulated Stainless Steel</td>
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</tbody>
</table>

### CONTROLS:
- Multi Stage PLC temperature controller with Unloading down to 33%(optional 10%), LED readout.

### REFRIGERATION COMPONENTS:
- Semi-Hermetic Reciprocating compressors, sight glass/moisture indicators, balanced port expansion valves, filter driers, service valves, stainless steel/copper brazed plate evaporators, fan cycling head pressure controls.

### PROCESS FLUID COMPONENTS:
- Rugged stainless steel centrifugal pumps, bronze “Y” strainer with 20 mesh stainless steel screen, insulated stainless steel reservoir, with shoebox lid, level sight glass, fill and drain port.

### SAFETY CONTROLS:
- High/low pressure safety, oil pressure, internal overloads, thermal overloads or safety fuses for pumps and fan motors, low water flow safety with manual reset.

### OPERATING TEMPERATURES:
- Process fluid: 42°F to 70°F for standard units (20°F to 70°F for low leaving fluid temperature units)
- Ambient air: 40°F to 115° for standard units (0°F to 115°F for outdoor units with optional low ambient modifications)

### CONSTRUCTION:
- Galvanized steel frame, powder coated carbon steel cabinet.

### WARRANTY:
- One Year Parts; Five Year Compressor

### OPTIONS
- Flow Capacities (Pump Up-Grade)
- Coil Coating
- Line Phase Monitor Protection
- Split System
- Manual By-Pass
- E-Z Clean Filter
- Low Leaving Fluids
- Reverse-Flow
- Low Ambient Modification
- Spare Parts Kit
- Multiple Pumps
- 1 Year Labor Warranty

Note: All specifications subject to change without notice.