ICE AM Series Outdoor Air-Cooled Chiller Modules provide an excellent source of chilled water for industrial cooling applications where a separate source of condenser supply water does not exist or plant floor space is at a premium. AM Series Chillers can be conveniently located on an outside ground level pad or a plant roof for efficient space utilization.

Budzar also designs and manufactures specialized equipment for non-standard applications. Our engineers have extensive experience in process chilling and heating applications for such industries as: rubber, paper, plastics, chemical, food, pharmaceutical and metal working. We take the time to understand your current and future needs and design solutions targeted at high quality and fast payback.

The ICE AM Series Air-Cooled Chiller Module is shipped completely wired, pipe tested, ready to install and contains a scroll or screw Copeland compressor with features as:

- Energy efficient for reduced energy consumption
- Compressor service valves for easy maintenance
- Internal compressor overload protection to prevent motor damage
- Compressor fusing and contactors provide worker safety
- Time-delay compressor start (on dual and multiple-compressor units) to prevent excessive “spikes” at unit start-up
- Compressor isolator pads dampen vibrations

The Air-Cooled Outdoor Packages Water Chillers also contain a refrigerant circuit with:

- Pressure Relief valves prevent damage to the "high side" of the refrigeration circuit
- "MOP" type thermostatic expansion valve provides accurate metering of the Freon (R-22)
- Low pressure operating control and freeze/low charge control with the time delay circuit to monitor and safely control the "low side" of the refrigeration circuit
- Fill R-22 refrigerant operating charge saves money, time and provides a "ready-to-run" unit

**Compare These Features**

- Programmable Logic Controller provides:
  - Software may be customized, transferred from a personal computer and updated via programming key
  - Displayed Instrumentation Information
    - Pump discharge pressure and flow
    - Compressor suction pressure, temperature and superheat
    - Liquid refrigerant temperature and sub-cooling
    - Evaporator inlet and outlet temperature
    - Compressor pump status
  - Controller Functions
    - Selectable controlled parameter (supply or return temperature)
    - Head pressure control via fan motor cycling (air cooled units)
  - High Technology
    - All alarm situation, values of the monitored parameters and the status of the controlled devices are saved for service/maintenance review
    - Troubleshooting information is displayed when circumstances require assistance
    - The controller identifies marginal operating conditions and adjusts chiller operation

- Designed to operate in a leaving water temperature (LWT) ranging from 35°F to 55°F.
- Refrigerant vessels are constructed in accordance with ANSI B9.1
- All electrical components are UL approved and wiring is performed in accordance with the National Electrical Code
- Low-profile, base-rail configuration
- Shipped completely wired, piped, tested and ready to install
- High, Low Pressure Transducers
- RTD sensors for measuring temperatures
- Scroll Compressor or Screw Compressor for larger sizes
  - Energy-efficient Copeland compressors for reduced energy consumption
  - Compressor service valves offer easy maintenance
  - Internal compressor overload protection to prevent motor damage
- Refrigerant Circuit
  - Pressure relief valves to prevent damage to the "High side" of the refrigeration circuit
  - "MOP" type thermostatic expansion valve provides accurate metering of the freon (R-22)
## Air-Cooled Outdoor Packaged Water Chillers

**Scroll Compressor**

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
<th># Comp</th>
<th># Evap</th>
<th># Circuit in Evaporator</th>
<th>FLA @ 460</th>
<th>MCA @ 460</th>
<th>L x W x H</th>
<th>Shipping Weight</th>
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<tbody>
<tr>
<td>AM-010-S1S1-FCB</td>
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<td>1</td>
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<td>2</td>
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<td>131.4</td>
<td>138.2</td>
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<td>208.8</td>
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</table>

All information based on 50°F leaving water temperature
For higher horse power, consult factory

**Screw Compressor**

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
<th># Comp</th>
<th># Evap</th>
<th># Circuit in Evaporator</th>
<th>FLA @ 460</th>
<th>MCA @ 460</th>
<th>L x W x H</th>
<th>Shipping Weight</th>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

All information based on 50°F leaving water temperature
For higher horse power, consult factory

**Options Available**

- Remote Alarm
- Disconnect Switch
- -20°F Low Ambient Package
- Side Screens
- Tank by Number of Gallons
- 230 Volt
- Packaged system with tank
- Different refrigerant options

Budzar Industries reserves the right to discontinue or change specifications without notice, consistent with sound engineering practice and current industrial standards.