



170 Ton Portable Air Cooled Screw Chiller

Mobile Air Portable Air Cooled Screw Chiller packages are self-contained and specifically engineered to provide flexible, temporary chilled fluid for commercial and industrial air conditioning and process cooling applications. The chiller package is permanently mounted on a rugged steel tubular frame that can be easily maneuvered with a forklift. These on-board features allow for quick delivery and minimal installation time.

Chiller Features

- R-22 refrigerant
- Voltage code - (460/3/60)
- Across-the-line start
- Single point non-fused disconnect switch with separate sys circuit breakers
- Control circuit power terminal strip
- North American safety code (cUL)
- Low temperature brine < 30°F / -1.1°C
- Service isolation valve (suction)
- ASME pressure vessel & associated codes
- Pre-coated fin condenser coil
- Low sound fans
- Louvered enclosure panels (condenser only)
- Flow switch with safety interlock

Package Features

- 20 HP integral pump package (standalone/booster)
- Pump bypass option
- 4" strainer – with pump & bypass option
- 4" butterfly valve – with pump & bypass option
- Steel tubular skid with forklift pockets
- 120V-15A convenience outlet
- 120V extension cord shore power option
- Low temperature brine capabilities to 0°F (optional)

For more information contact:

Mobile Air

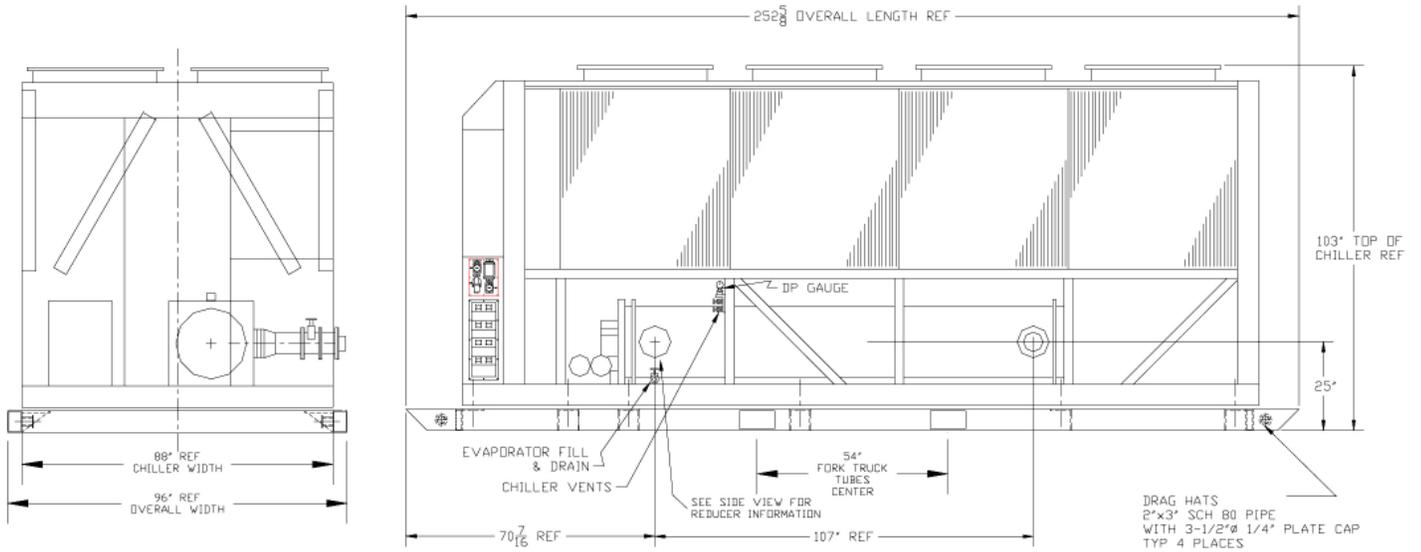
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www.mobileair.com



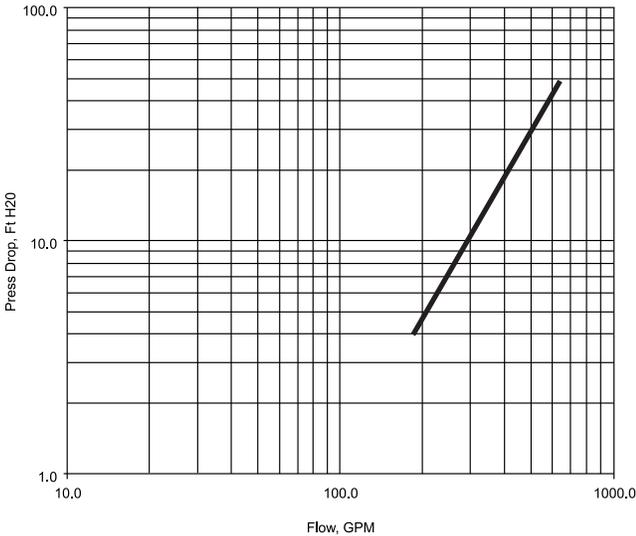
Quick delivery and minimal installation time when you need temporary cooling.

RENTAL CHILLER PACKAGE

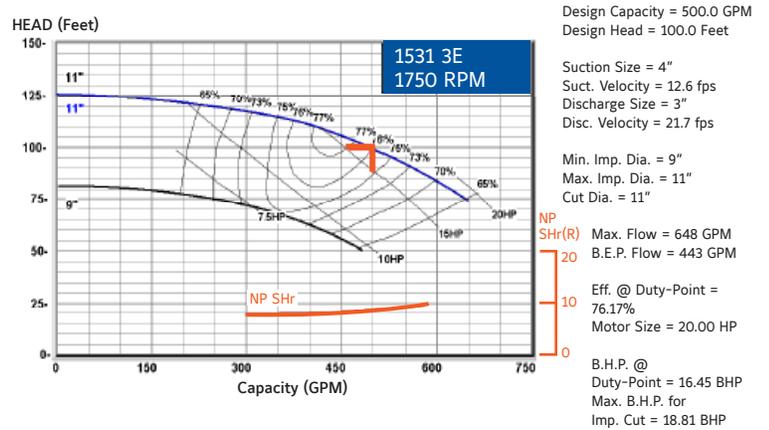


Minimum Clearances: Units Side by Side: 12 ft, Control Panel to Wall: 5 ft, Side to Wall: 8 ft, Front to Wall: 8 ft. Install unit on flat level surface.

Cooler Water Pressure Drop



Pump Performance



General

| | |
|-------------------------------|-------------------------|
| Chiller Model Number | YCAS0170 ⁽¹⁾ |
| Ambient Operating Range | 0-115°F |
| Chilled Water Setpoint Limits | 0-55°F |
| Refrigerant Circuits | 2 |
| Equipment Insurance Value | \$180,000 |

⁽¹⁾ See YCAS Engineering Guide Form 201.18-EG1 (0401) for additional chiller specifications

Dimensions (Skid Mounted)

| | |
|------------------|------------|
| Length | 21' 0" |
| Width | 8' 6" |
| Height | 8' 7" |
| Total Weight | 13,194 lbs |
| Forklift Pockets | 4" x 10" |
| Center on Center | 54" |

Electrical

| | |
|---------------------------|---------------------|
| Single Point Power Supply | 460V / 3Ø / 60Hz |
| Connections (1 per Ø) | Series 16 Cam Type |
| Running Load Amps | 325A ⁽²⁾ |
| Minimum Circuit Ampacity | 360A ⁽²⁾ |

⁽²⁾ Includes 20 HP pump (24A)

Evaporator Flow

| | |
|-----------------------------|-------------|
| Minimum | 203 GPM |
| Nominal | 394 GPM |
| Maximum | 747 GPM |
| Fluid Connections | 8", Flanged |
| Maximum Water Side Pressure | 150 PSIG |
| Evaporator Volume | 55 Gallons |

Cooling Capacity (Tons)

Actual capacity subject to leaving temperature, fluid utilized, and ambient conditions.

| | LCWT (°F) | LBT (°F) | OUTDOOR AMBIENT (°F) | | | |
|----------------|-----------|----------|----------------------|-----|-----|-----|
| | | | 75 | 85 | 95 | 105 |
| | 50 | | 201 | 190 | 180 | 173 |
| | 44 | | 183 | 173 | 164 | 157 |
| | 40 | | 171 | 162 | 154 | 147 |
| Brine Required | | 35 | 155 | 147 | 140 | 134 |
| | | 30 | 136 | 128 | 122 | 117 |
| | | 25 | 119 | 113 | 107 | 102 |