

300 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. Package includes integrally located pump matched specifically to range of operation, piping (with pump bypass), triple-duty valves, chilled fluid fittings and in-line water strainers. The chiller package is permanently mounted on an air ride trailer. These on-board features allow for quick delivery and minimal installation time.

Chiller Features

- R-22 refrigerant (fully charged)
- Voltage code - (460/3/60)
- Wye (star) delta start
- Single point non-fused disconnect switch with separate sys circuit breakers
- Control transformer
- North American safety code (cUL)
- Service isolation valve (suction)
- Flow switch (150 psig cooler)
- 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

- 40' or 45' air-ride flatbed trailer
- 40 HP integral pump package (standalone/booster)
- Pump bypass option
- 6" strainer – with pump & bypass option
- 6" triple-duty valve – with pump & bypass option
- 120V-15A convenience outlet
- 120V extension cord shore power option
- Low temperature brine capabilities to 0°F (optional)

For more information contact:

Mobile Air

1-800-596-0800

www.mobileair.com

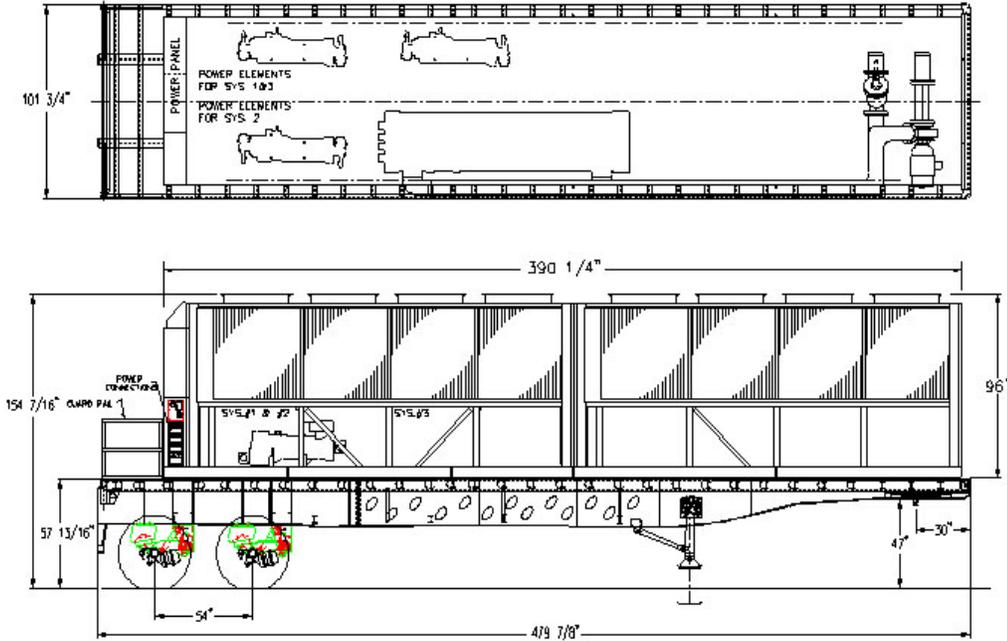


Mobile Air



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.

General

| | |
|-------------------------------|-------------------------|
| Chiller Model Number | YCAS0300 ⁽¹⁾ |
| Ambient Operating Range | 0-125°F |
| Chilled Water Setpoint Limits | 0-55°F |
| Refrigerant Circuits | 3 |
| Equipment Insurance Value | \$265,000 |

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

Dimensions (Trailer Mounted)

| | |
|--------------------------|------------|
| Length | 48' |
| Width | 8' 6" |
| Height | 12' 10" |
| Total weight (w/trailer) | 34,480 lbs |

Electrical

| | |
|---|---------------------|
| Single Point Power Supply Connections (2 per Ø) | 460V / 3Ø / 60Hz |
| Running Load Amps | Series 16 Cam Type |
| Minimum Circuit Ampacity | 564A ⁽²⁾ |
| | 605A ⁽²⁾ |

⁽²⁾ Includes 20 HP pump (24A)

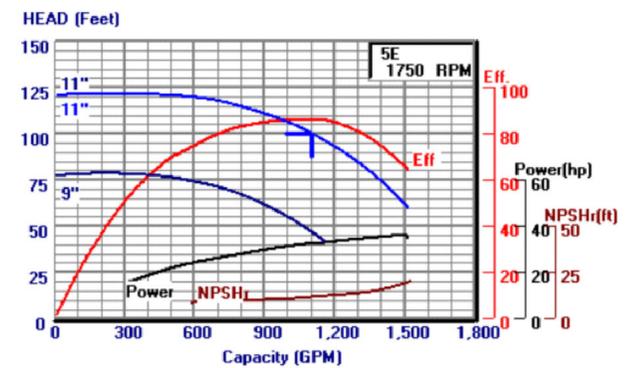
Evaporator Flow

| | |
|----------------------------------|-------------|
| Minimum | 255 GPM |
| Nominal | 695 GPM |
| Maximum | 800 GPM |
| Fluid connections (ground level) | 6", Grooved |
| Maximum Water Sid Pressure | 150 PSIG |
| Evaporator Volume | 94 Gallons |

Cooling Capacity (Tons)

| LCWT (°F) | LBT (°F) | OUTDOOR AMBIENT (°F) | | | |
|-------------------|-------------|----------------------|-----|-----|-----|
| | | 75 | 85 | 95 | 105 |
| 50 | | 365 | 341 | 320 | 301 |
| 44 | | 330 | 309 | 290 | 273 |
| 40 | | 309 | 289 | 271 | 255 |
| | 35 | 282 | 264 | 247 | 232 |
| Brine Required | 30 | 245 | 229 | 214 | 200 |
| | 25 | 215 | 200 | 187 | 175 |

Pump Performance



Cooler Water Pressure Drop

