



Mobile Air

440 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)
- 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

- 48' air-ride flatbed trailer
- 40 HP integral pump package (standalone/booster)
- Pump bypass option
- 8" 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

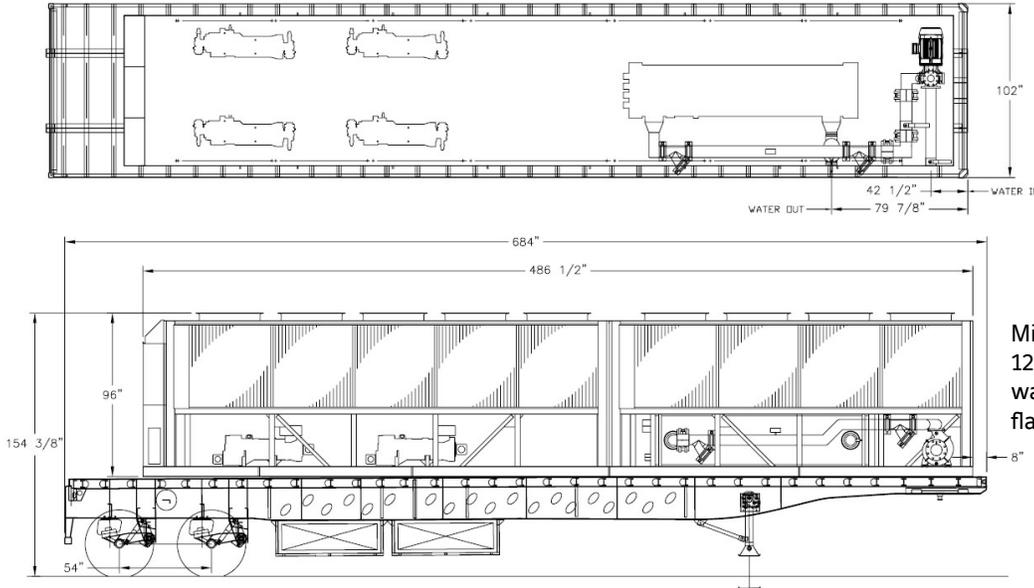
1-800-596-0800

www.mobileair.com



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 YCAS0440⁽¹⁾
- Ambient Operating Range 0-115°F
- Chilled Water Setpoint Limits 0-55°F
- Refrigerant Circuits 4
- Equipment Insurance Value \$345,000

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

Dimensions (Trailer Mounted)

- Length 48' 0"
- Width 8' 6"
- Height 13' 6"
- Total Weight (with trailer) 41,466 lbs

Electrical

- Single Point Power Supply 460V / 3Ø / 60Hz
- Connections (3 per Ø) Series 16 Cam Type
- Running Load Amps 812A⁽²⁾
- Minimum Circuit Ampacity 858A⁽²⁾

⁽²⁾ Includes 40HP pump (45.7A)

Evaporator Flow

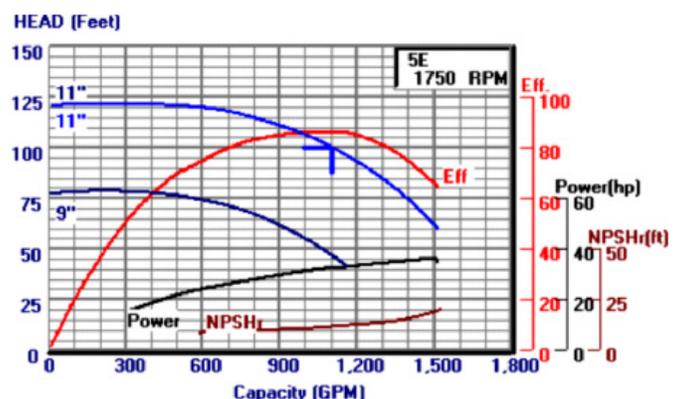
- Minimum 330 GPM
- Nominal 1,008 GPM
- Maximum 1,060 GPM
- Fluid Connections (Ground Level) 6", Grooved
- Maximum Water Sid Pressure 150 PSIG
- Evaporator Volume 135 Gallons

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		500	478	460	443
44		455	436	420	409
40		426	409	395	384
Brine Required	35	390	375	364	355
	30	341	328	319	311
	25	302	291	283	277

Pump Performance



Cooler Water Pressure Drop

