



Mobile Air

400 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

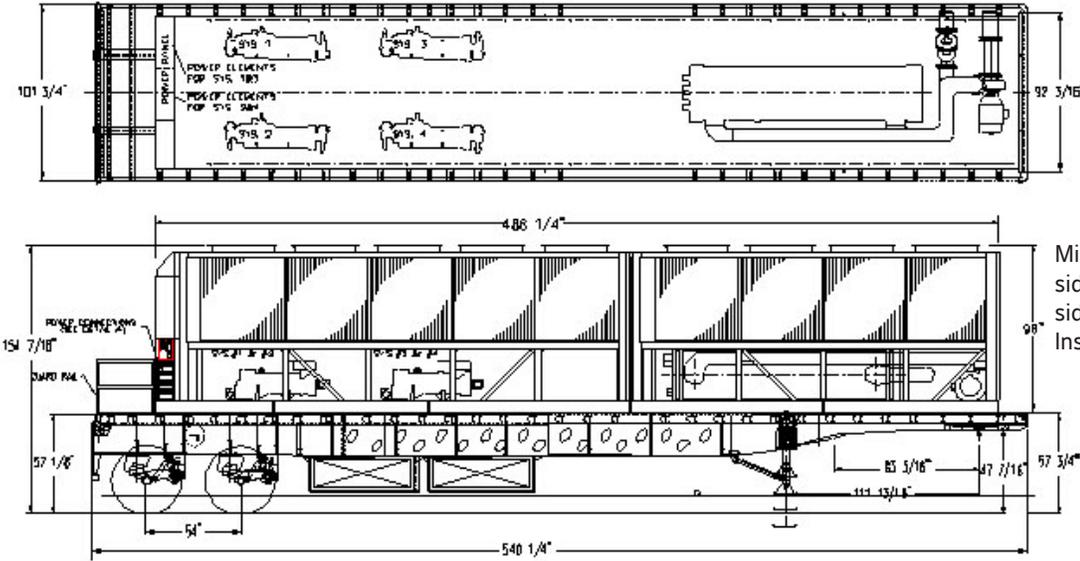
1-800-596-0800

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	YCAS0400 ⁽¹⁾
Ambient Operating Range	0-115°F
Chilled Water Setpoint Limits	0-55°F
Refrigerant Circuits	4
Equipment Insurance Value	\$325,000

⁽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 (w/trailer)	40,981 lbs

Electrical

Single Point Power Supply	460V / 3Ø / 60Hz
Connections (2 per Ø)	Series 16 Cam Type
Running Load Amps	672A ⁽²⁾
Minimum Circuit Ampacity	785A ⁽²⁾

⁽²⁾ Includes 40 HP pump (45.7A)

Evaporator Flow

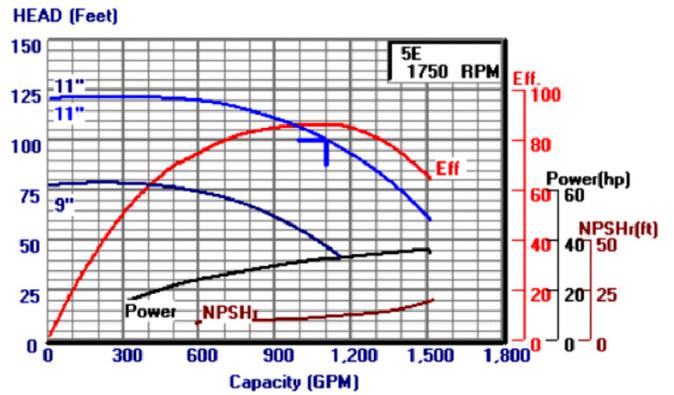
Minimum	330 GPM
Nominal	1,008 GPM
Maximum	1,060 GPM
Fluid connections (ground level)	6", Grooved
Maximum Water Sid Pressure	150 PSIG
Evaporator Volume	135 Gallons

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		487	456	428	404
44		443	414	389	365
40		414	387	363	341
	35	374	350	328	308
	30	326	304	285	267
	25	286	267	250	233

Pump Performance



Cooler Water Pressure Drop

