



Mobile Air

397 Ton Portable Air Cooled Screw Chiller

Mobile Air 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

- Compressor motors with variable speed drives
- Standard efficiency, standard IPLV
- SP circuit breaker with lockable handle
- Control transformer
- Non-powered convenience outlet (wiring by others)
- North American safety code (cUL)
- Service isolation valve (suction)
- Compressor heaters
- Differential pressure switch with safety interlock
- ASME pressure vessel and associated codes
- Pre-coated fin condenser coil, slit fins
- Louvered enclosure panels (condenser only)
- Low sound fans

Package Features

- 48' Air-ride flatbed trailer
- 40 HP integral pump package (standalone/booster)
- Pump bypass option
- 6" Strainer – with pump and bypass option
- 6" Triple-duty valve – with pump and bypass option
- 120V-15A Convenience outlet
- 120V Extension cord shore power option

For more information contact:

Mobile Air

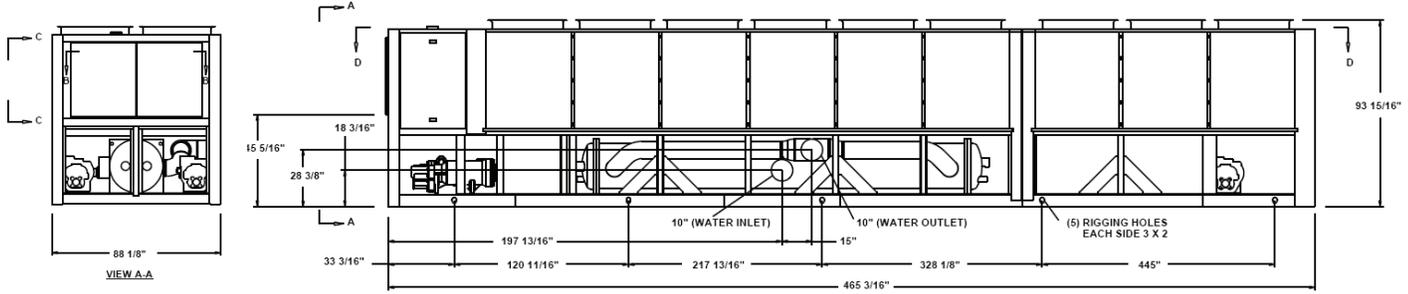
1-800-596-0800

www.mobileair.com



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

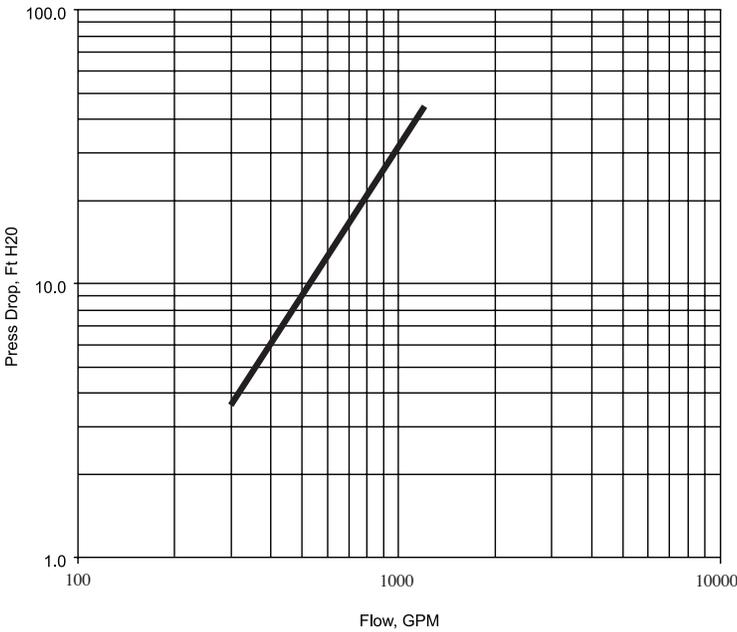
RENTAL CHILLER PACKAGE



NOTE: Drawing above does NOT include trailer. Trailer dimensions are 576" L x 60" H x 102"

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



General

Chiller Model Number	YCIVO397 ⁽¹⁾
Ambient Operating Range	0-125°F
Chilled Water Setpoint Limits	15-60°F
Refrigerant Circuits	3 (R-134a)
Equipment Insurance Value	\$320,000

⁽¹⁾ See YCIV Engineering Guide for additional chiller specifications

Dimensions (Trailer Mounted)

Length	48' 0"
Width	8' 6"
Height	13'
Total Weight (with trailer)	42,991 lbs

Electrical

Single Point Power Supply	460V / 3Ø / 60Hz
Connections (2 per Ø)	Series 16 Cam Type
Running Load Amps	669A ⁽²⁾
Minimum Circuit Ampacity	717A ⁽²⁾

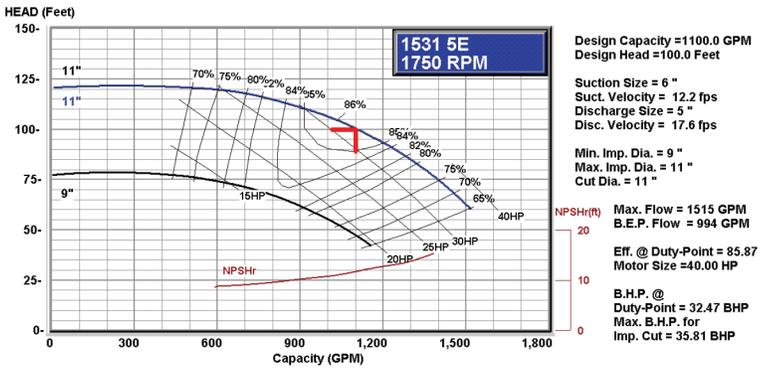
⁽²⁾ Includes 40HP Integral Pump (45.7A)

Evaporator Flow

Minimum	300 GPM
Nominal	923 GPM
Maximum	1,200 GPM
Fluid Connections (ground level)	6", Grooved
Maximum Water Side Pressure	150 PSIG
Evaporator Volume	236 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		377.3	430.8	420.9	401.1
44		401.2	394.0	385.3	369.8
40		439.0	370.7	362.9	350.0