



Mobile Air

180 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 (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)
- 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

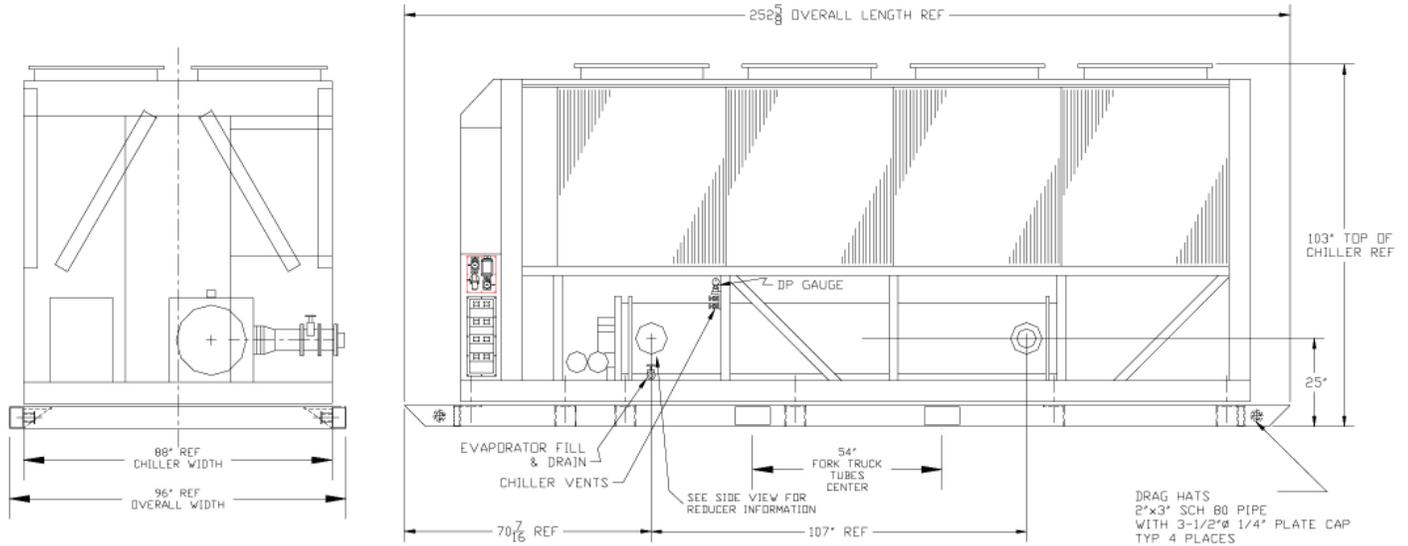
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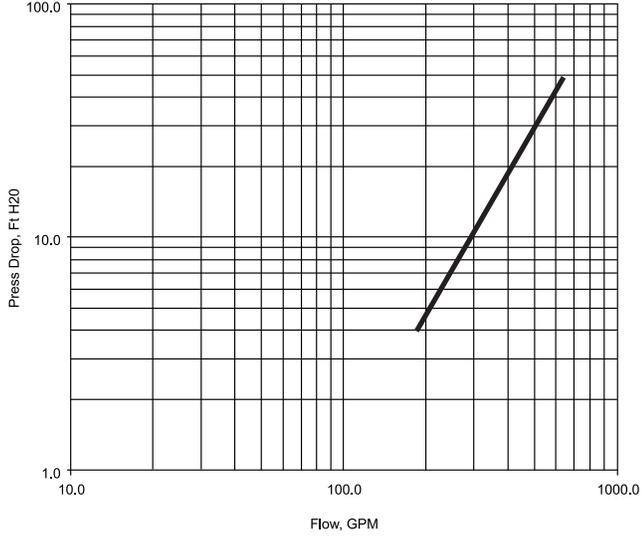
Quick delivery and minimal installation time when you need temporary cooling.

RENTAL CHILLER PACKAGE

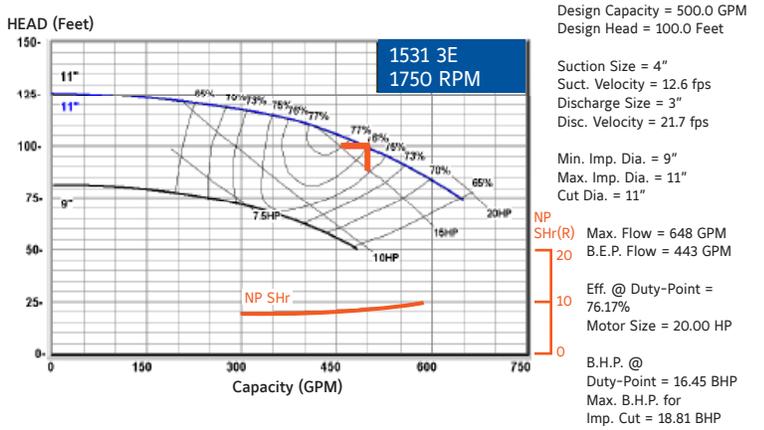


Minimum Clearances: Units Side by Side: 12 ft, Control Panel to Wall: 5 ft, Side to Wall: 8 ft, Front to Wall: 8 ft. Install unit on flat level surface.

Cooler Water Pressure Drop



Pump Performance



General

Chiller Model Number	YCAS0180 ⁽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' 6"
Total Weight	13,294 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	337A ⁽²⁾
Minimum Circuit Ampacity	372A ⁽²⁾

⁽²⁾ Includes 20 HP pump (24A)

Evaporator Flow

Minimum	218 GPM
Nominal	400 GPM
Maximum	747 GPM
Fluid Connections	4", Victaulic
Maximum Water Side Pressure	150 PSIG
Evaporator Volume	55 Gallons

Cooling Capacity (Tons)

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

LCWT (°F)	LBT (°F)	OUTDOOR AMBIENT (°F)			
		75	85	95	105
50		205	195	188	182
44		186	178	172	166
40		174	167	161	156
Brine Required	35	158	152	148	143
	30	139	133	130	125
	25	122	118	115	110