



160 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)



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

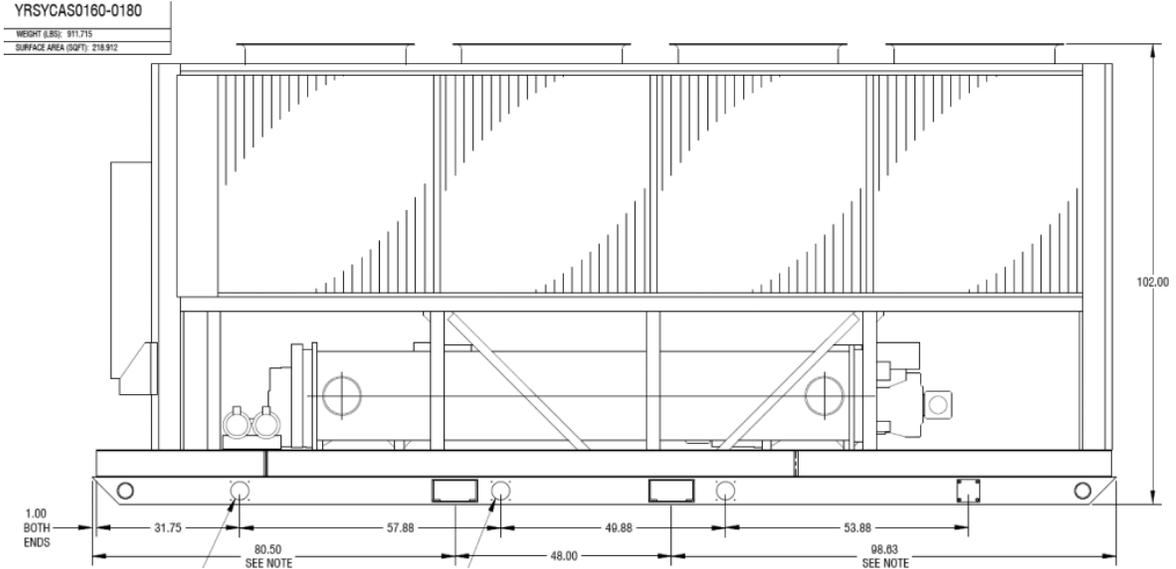
For more information contact:

Mobile Air

1-800-596-0800

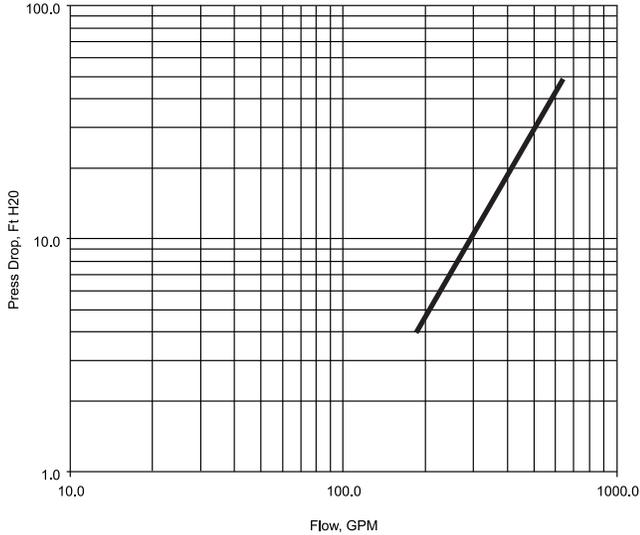
www.mobileair.com

RENTAL CHILLER PACKAGE

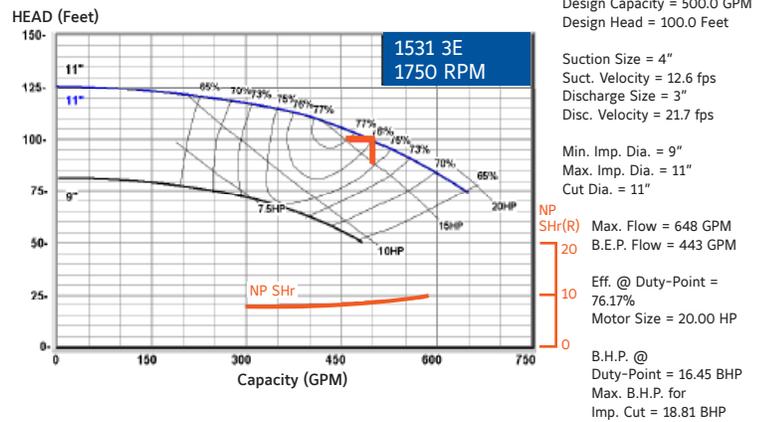


Minimum Clearances: Units Side by Side: 12 ft, Control Panel to Wall: 5 ft, Side to Wall: 8 ft, Front to Wall: 8 ft. Install unit on flat level surface.

Cooler Water Pressure Drop



Pump Performance



General

Chiller Model Number	YCAS0160 ⁽¹⁾
Ambient Operating Range	0-115°F
Chilled Water Setpoint Limits	0-55°F
Refrigerant Circuits	2
Equipment Insurance Value	\$175,000

⁽¹⁾ See YCAS Engineering Guide Form 201.19-EG1 (0803) for additional chiller specifications

Dimensions (Skid Mounted)

Length	18' 11"
Width	7' 6"
Height	8' 6"
Total Weight	13,000 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	313A ⁽²⁾
Minimum Circuit Ampacity	345A ⁽²⁾

⁽²⁾ Includes 20 HP pump (24A)

Evaporator Flow

Minimum	200 GPM
Nominal	377 GPM
Maximum	600 GPM
Fluid Connections	4", Victaulic
Maximum Water Side Pressure	150 PSIG
Evaporator Volume	55 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		196	184	173	163
44		178	167	157	148
40		167	157	147	138
	35	140	132	124	116
	30	122	114	107	101
	25	107	100	94	88