



Mobile Air

Rental Chiller Package



527 TON PORTABLE AIR COOLED SCREW CHILLER, 460 V

Chiller Features

- Refrigerant fully charged, R-134a, 230# per circuit
- Variable Speed Drive starter
- Single-point non-fused disconnect switch, separate system circuit breakers
- Control transformer
- 120V convenience outlet
- Service isolation valve
- Compressor heaters
- North American safety code (cUL)
- ASME rated pressure vessel
- Pre-coated fin condenser coil
- Low sound fans
- Louvered enclosure panels

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		584	574	561	534
44		534	525	513	493
40		503	494	483	466
Brine Required	35	462	454	446	433
	30	354	354	348	343
	25	287	287	285	283

Package Details

- 53' air-ride flatbed trailer
- 50 HP integral pump package w/bypass option
- Strainer/triple duty valve
- Waterfall cam-type connections
- Over/under voltage & phase protection relay with light
- Flow switch
- Barrel vents
- Pump and evaporator drains with isolation valves

General

Model Number	YCAV527
Ambient Operating Range	0-112° F
Chilled Water Setpoint Limits	40-60° F
Refrigerant Circuits	4
Equipment Insurance Value	\$425,000

Dimensions - Trailer Mounted

Length	53'
Width	8' 6"
Height	13'
Chiller Operating Weight	34,527 lbs
Trailer Weight, approximate	18,000 lbs

Electrical

Single Point Power Supply Connections, 1 per phase	460/3/60 Series 16, cam type
Running Load Amps*	871
Minimum Circuit Amps*	917

**Includes 40 HP pump, 36.6 amps*

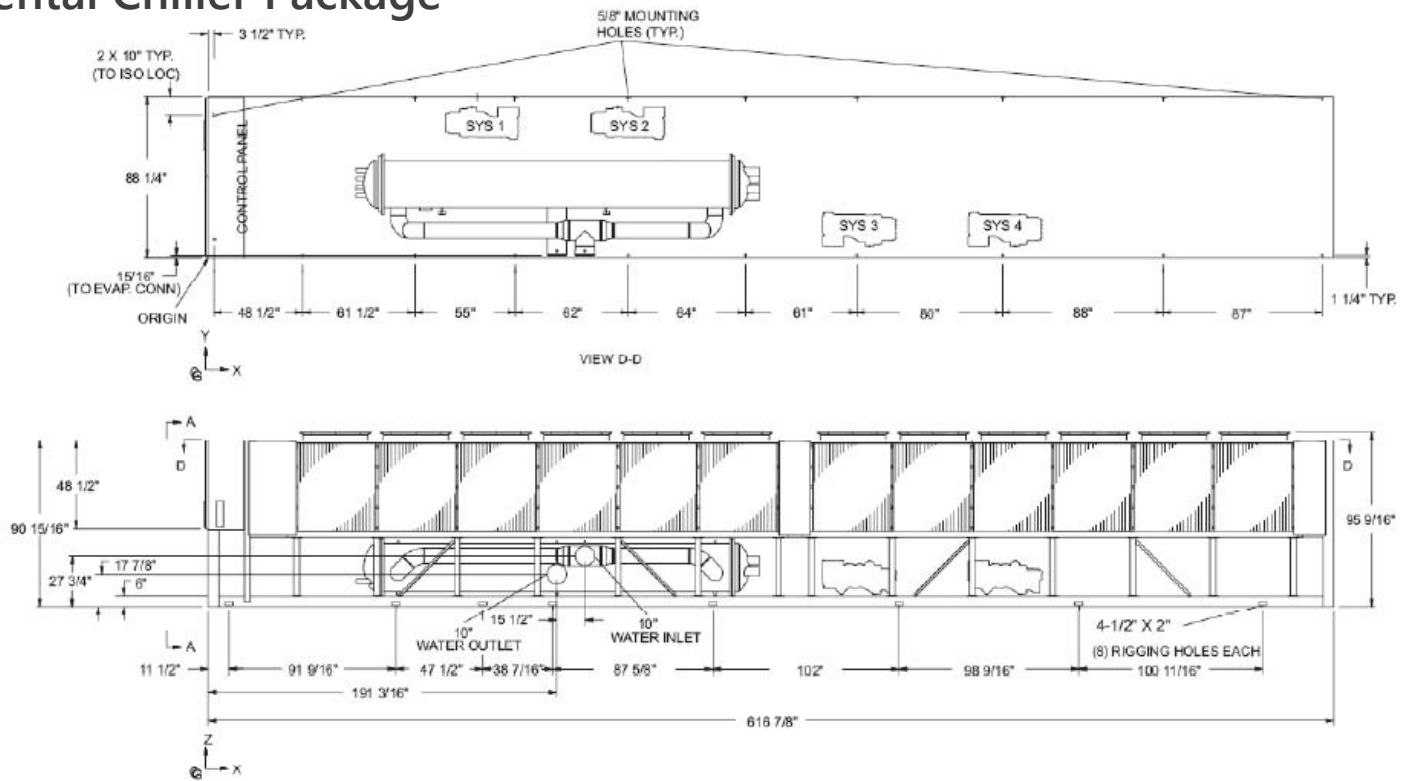
Evaporator Flow

Minimum GPM	400
Nominal GPM	1,231
Maximum GPM	1,400
Fluid Connections	6" Victaulic
Max Water Side Pressure	150 PSIG
Evaporator Volume, gal	318



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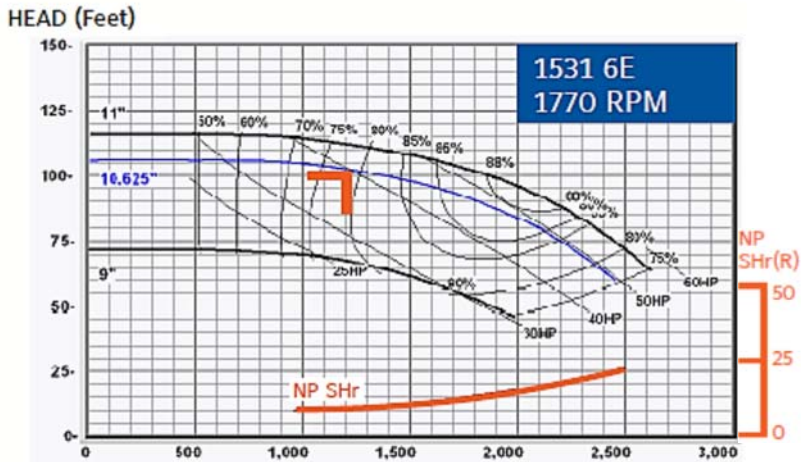
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Minimum Clearances

- Units Side by Side: 12 feet
- Side to Wall: 8 feet
- Control Panel to Wall: 5 feet
- Front to Wall: 8 feet

Pump Performance



Cooler Water Pressure Drop

