

# 440 Ton Portable Air Cooled Screw Chiller (575/3/60)



**MOBILE**  
Air & Power Rentals

a division of Resolute Industrial

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 - (575/3/60)
- 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

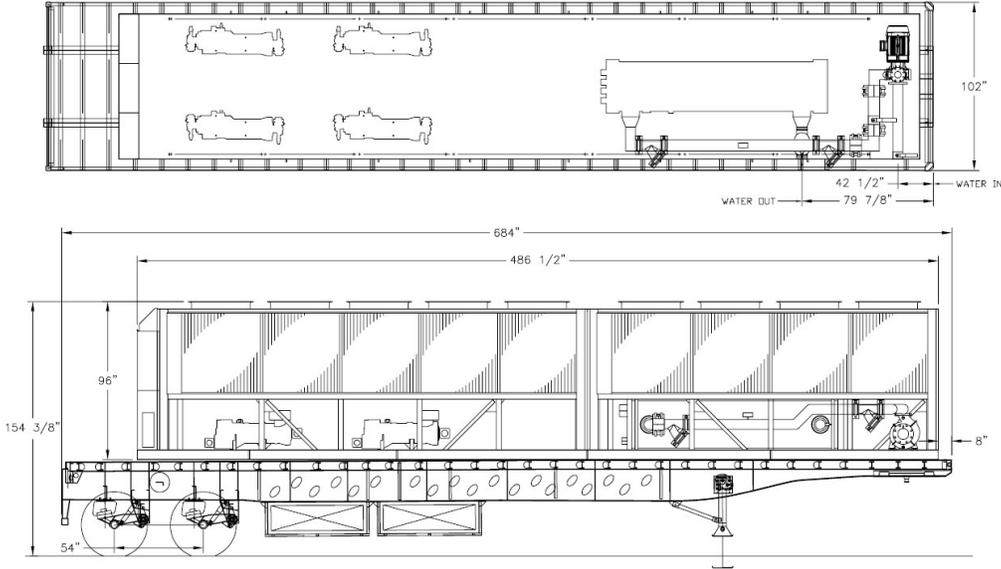
## Package Features

- 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)



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	YCAS0440 <sup>(1)</sup>
Ambient Operating Range	0-115°F
Chilled Water Setpoint Limits	0-55°F
Refrigerant Circuits	4
Equipment Insurance Value	\$350,000

<sup>(1)</sup> See Johnson Controls 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 (with trailer)	41,466 lbs

## Electrical

Single Point Power Supply	575V / 3Ø / 60Hz
Connections (2 per Ø)	Series 16 Cam Type
Running Load Amps	647A <sup>(2)</sup>
Minimum Circuit Ampacity	684A <sup>(2)</sup>

<sup>(2)</sup> Includes 40HP (36.6A)

## Evaporator Flow

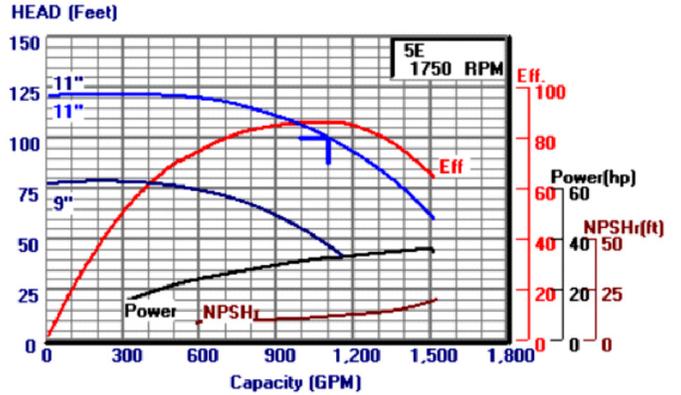
Minimum	330 GPM
Nominal	1,008 GPM
Maximum	1,060 GPM
Fluid Connections (Ground Level)	6", Grooved
Maximum Water Sid Pressure	150 PSIG
Evaporator Volume	135 Gallons

## 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		500	478	460	443
44		455	436	420	409
40		426	409	395	384
	35	390	375	364	355
Brine Required	30	341	328	319	311
	25	302	291	283	277

## Pump Performance



## Cooler Water Pressure Drop

