

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



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 valve, 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-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

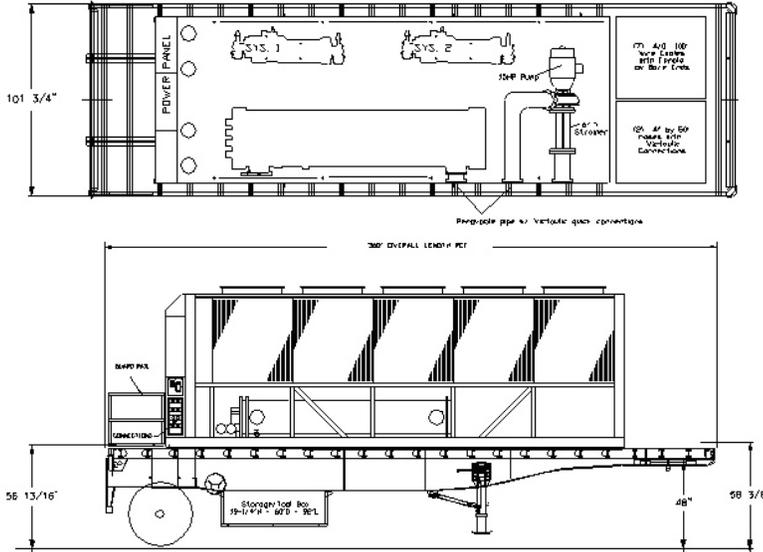
## Package Features

- 30' air-ride flatbed trailer
- 20 HP integral pump package (standalone/booster)
- Pump bypass, 6" strainer & 4" butterfly valve
- Aluminum ladder for safe access
- 120V-15A convenience outlet
- 120V extension cord shore power option
- (7) 4/0 x 100' female cam-type x bare end cables
- (4) 4"x25' rubber discharge hose & couplings
- (8) 4"x50' rubber discharge hose & couplings



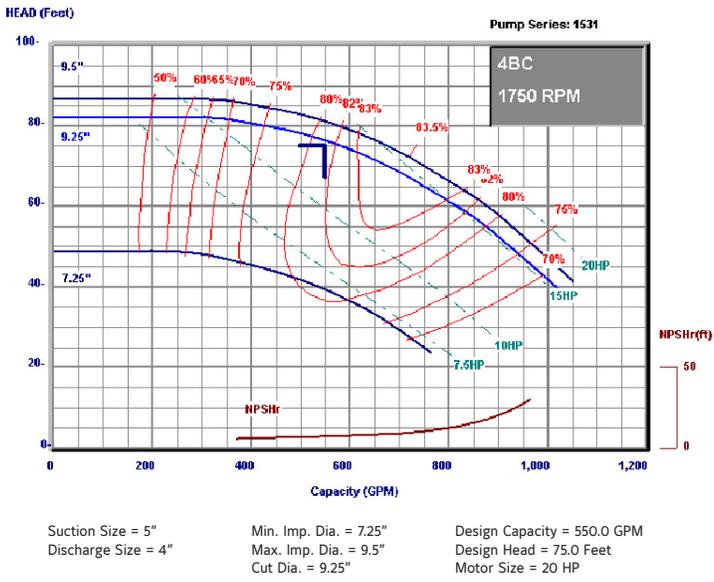
Quick delivery and minimal installation time when you need temporary cooling.

CANADA RENTAL CHILLER PACKAGE



Recommended 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.

Pump Performance



General

- Chiller Model Number YCAS0230<sup>(1)</sup>
- Ambient Operating Range 0-115°F
- Chilled Water Setpoint Limits 0-55°F
- Refrigerant Circuits 2
- Equipment Insurance Value \$210,000

<sup>(1)</sup> See Johnson Controls YCAS Engineering Guide Form 201.18-EG1

Dimensions (Trailer Mounted)

- Length 30'
- Width 8' 6"
- Height 13' 6"
- Total Shipping Weight (with Trailer) 23,150lbs

Electrical

- Single Point Power Supply 575V / 3Ø / 60Hz
- Connections (1 per Ø) Series 16 Cam Type
- Running Load Amps 310A<sup>(2)</sup>
- Minimum Circuit Ampacity 343A<sup>(2)</sup>

<sup>(2)</sup> Includes 20 HP pump (19A)

Evaporator Flow

- Minimum 272 GPM
- Nominal 501 GPM
- Maximum 747 GPM
- Fluid Connections 4", Grooved
- Maximum Water Side Pressure 150 PSIG
- Evaporator Volume 79 Gallons

Cooling Capacity (Tons)

LCWT (°F)	LBT (°F)	OUTDOOR AMBIENT (°F)			
		75	85	95	105
50		250	238	229	222
44		227	217	209	203
40		213	204	196	191
Brine Required	35	194	186	180	176
	30	170	163	158	154
	25	150	144	140	137

Cooler Water Pressure Drop

