



**RENTAL
SYSTEMS**



Unit Arrangement - Dimensions are Approximate

1,000-Ton Water Cooled Centrifugal Chiller

General Description and Features

Ready for outdoor operation with minimal setup
 Complete microprocessor control center PIC II
 Single point power connection
 Wye-Delta starter for reduced starting inrush
 300 psig water box (Cooler/condenser)
 150 psig water box conversion available
 Lower temperatures available, consult engineering
 Trailer mounted

Equipment Data

Model(s) 19XR-7272 WFLHH64S

Shipping Data

Shipping Weight 47,000 lbs (chiller)
Trailer Weight 15,000 lbs
Dimensions 24'-6"L x 8'-4"W x 10'-1"H
Leveling Required Within 1/8" per foot
Installed Clearances 4' (electrical)

Mechanical Data

Cooler Connections	12" 300 lb RF flange in/out
Condenser Connections	12" 300 lb RF flange in/out
Water Max. pressure	300 psig (cooler/cond.)
Water Volume	272/303 gal. (cooler/cond.)
Minimum Load	10% of full capacity
Min. / Max. Cooler Flow	1,400 gpm / 4,400 gpm
Min. / Max. Condenser Flow	2,000 gpm / 4,500 gpm
Refrigerant / Charge	R134a / 2,220 lbs
Oil / Charge	POE / 10 gallons

Electrical Data (Single Disconnect)

Voltage	480 V / 3 phase / 60 hertz
Mounted Disconnect	1600 amp
Connection	Leviton Srs 16 Camlock
Cables	4/0 (4) per Phase (2) Gnd
FLA / MCA	880 amps / 1,100 amps
Rec. Service	1200 amps

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Leaving Water Temp	Capacity in Tons					Cooler Flow Pressure Drop		Condenser Flow Pressure Drop	
	Entering Condenser Water					Flow (gpm)	Pressure Drop (psid)	Flow (gpm)	Pressure Drop (psid)
	75°F	80°F	85°F	90°F	95°F				
50° F	1075	1050	1000	950	900	1400 Min	4	2000	4.8
45° F	1050	1025	950	925	850	1800	5	2500	7.2
40° F	1000	950	925	900		2400 std	9.4	3000	10
35° F Brine	960	900				3200	18	3500	13.5
30° F Brine	850					4400 Max	31	4000	17.5

Consult engineering for applications below 40°F