

General Specifications:

- ✿ 20°F to 70°F Leaving Coolant Range
- ✿ 110 Gallon 304 Stainless Steel Evaporator Tank
- ✿ Tank Sight Glass, 30 PSI Relief Valve, and Air Vent
- ✿ Integrated Operating and Safety Controls
- ✿ Simple and Efficient Refrigeration Circuit
- ✿ Aluminum Structural Frame
- ✿ Weatherproof Mechanical and Electrical Sections
- ✿ Automatic Variable Speed Discharge Pressure Control
- ✿ Single Point Electrical Connection
- ✿ Stainless Steel Fan Shroud and Composite Prop
- ✿ Integrated Bypass Pump

Model	Description	Flow GPM	Pump Head	Capacity @ 95°F Ambient (1,000's BTUH)			Pipe size	Electrical size	Shipping Weight
				35°F	45°F	55°F			
CE-30-A	30 Ton Nominal	100	140 feet	261	324	393	3"	2"	3,900 lbs.

Integrated Available Options	
CATALOG	DESCRIPTION
CVE03001	Locking Casters
CVE03002	Super Low Ambient Kit
CVE03003	High Ambient Kit
CVE03004	Stainless Steel Panels/Hardware
CVE03005	Heresite Coated Condenser Coils
CVE03006	Disconnect Switch (Door Mounted)
CVE03007	VPM Voltage Phase Monitor
CVE03008	6 Point Digital Temp Display
CVE03009	Refrigerant Gauges (per circuit)
CVE03011	Tank Level Alarm
CVE03012	Tank Auto-Fill
CVE03014	Remote Operating Panel
CVE03015	Tank Fill Pressure Reducing Valve
CVE03016	Flow Switch (paddle)
CVE03018	System Pump Pressure Bypass Valve
CVE03019	System Pump VFD
CVE03020	Vibration Isolation Mounts
CVE03021	Water Cooled Condensers Mod Valve

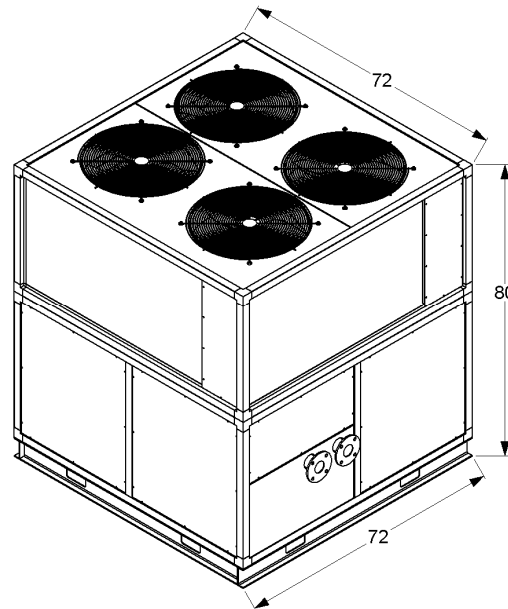
Safety and Operating Controls

- ✿ High and low refrigerant pressure lockouts
- ✿ Simple electronic temperature control
- ✿ Suction pressure operating control
- ✿ Discharge pressure control for condenser fans
- ✿ Contactors, motor starters, and overloads

Refrigeration Circuit

- ✿ Two 15 nominal ton compressors
- ✿ Air-cooled condenser copper/aluminum
- ✿ Coil in shell heat exchanger
- ✿ Thermostatic expansion valve
- ✿ Liquid-line filter drier
- ✿ Refrigerant sight glass
- ✿ Refrigeration suction and discharge service access valves

Physical Data	CE-30-A
Unit Dimensions	72" L x 72" W x 80" H
Dry Weight	3,800 lbs.
Operating Weight	4,750 lbs.
Oil Weight	27.6 pt
Refrigerant Weight	36 lbs.
Piping Connections	3"
Electrical Connection	2"
Reservoir Capacity	110 Gallons
Condenser CFM	21,000 CFM
System Pump	100 GPM @ 60 PSI



Electrical Data																	
Volts	Phase	HZ	Compressor (Each)			Fan (Each)			System Pump			Bypass Pump			Total FLA	MFS	MCA
			Qty	HP	RLA	Qty	HP	FLA	Qty	HP	FLA	Qty	HP	FLA			
230	3	60	2	15	43.6	4	1	5.6	1	7.5	18	1	0.17	1.0	128.6	183.1	139.5
460	3	60	2	15	21.8	4	1	2.8	1	7.5	9	1	0.17	0.5	64.3	91.6	69.8

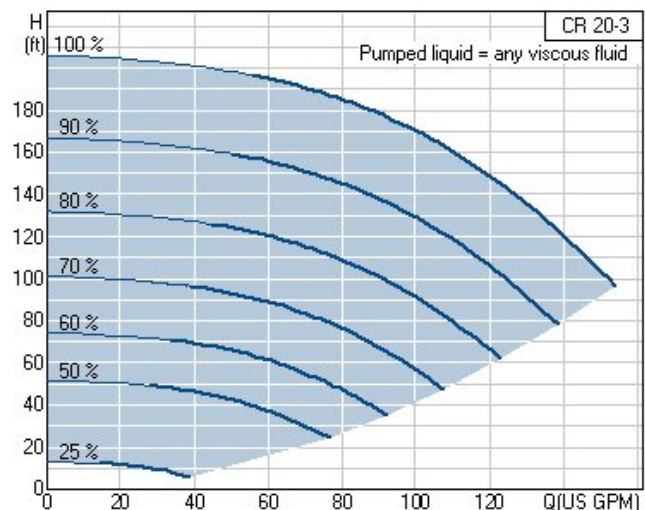
NOTES:

1. Transformer reflects all power used in control circuit.
2. FLA is at 45° LCT and 95° Ambient Temperature
3. For 208v, multiply 460v values by 2.21

Performance Data		CE-30-A				
		Ambient Temperature				
LCT °F		75°	85°	95°	105°	115°
60°		480.6	456.6	432.2	407.0	381.4
55°		438.6	416.2	393.4	370.0	346.2
50°		398.9	378.2	356.8	335.0	312.8
45°		362.7	343.4	323.5	303.2	282.5
40°		326.4	308.6	290.2	271.4	252.2
35°		294.7	278.1	261.0	243.5	225.7
30°		263.0	247.6	231.8	215.6	199.2
25°		235.6	221.4	206.8	191.8	-
20°		208.2	195.2	181.8	167.9	-

* Net capacities not including BTUH's from system pump
 ** Capacity in 1,000 BTUH's
 *** LCT =Leaving Coolant Temperature

System Pump Performance Curve (Nominal)



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Engineering Specifications

All data subject to change without notice
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