

General Specifications:

- ✿ 20°F to 70°F Leaving Coolant Range
- ✿ 75 gallon Stainless Steel Evaporator Tank
- ✿ Tank Sight Glass, Relief Valve, and Air Vent
- ✿ Integrated Operating and Safety Controls
- ✿ Stainless Steel System Pump
- ✿ Air-cooled Condensers Low Static Design
- ✿ Weatherproof Mechanical & Electrical Sections
- ✿ Single Point Electrical Connection
- ✿ Factory Tested at Design Load Conditions
- ✿ 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-12-A-1	Single Compressor	35	45	108	133	163	1-1/2"	1-1/4"	1,875 lbs.
CE-12-A-2	Dual Compressor	35	45	104	129	156	1-1/2"	1-1/4"	1,930 lbs.

Integrated Available Options

CATALOG	DESCRIPTION
CVE01201	Locking Casters
CVE01202	Super Low Ambient Kit
CVE01203	High Ambient Kit
CVE01204	Stainless Steel Panels/Hardware
CVE01205	Heresite Coated Condenser Coils
CVE01206	Disconnect Switch (Door Mounted)
CVE01207	VPM Voltage Phase Monitor
CVE01208	6 Point Digital Temp Display
CVE01209	Refrigerant Gauges (per circuit)
CVE01211	Tank Level Alarm
CVE01212	Tank Auto-Fill
CVE01214	Remote Operating Panel
CVE01215	Tank Fill Pressure Reducing Valve
CVE01216	Flow Switch (paddle)
CVE01218	System Pump Pressure Bypass Valve
CVE01219	System Pump VFD
CVE01220	Vibration Isolation Mounts
CVE01221	Water Cooled Condensers Mod Valve

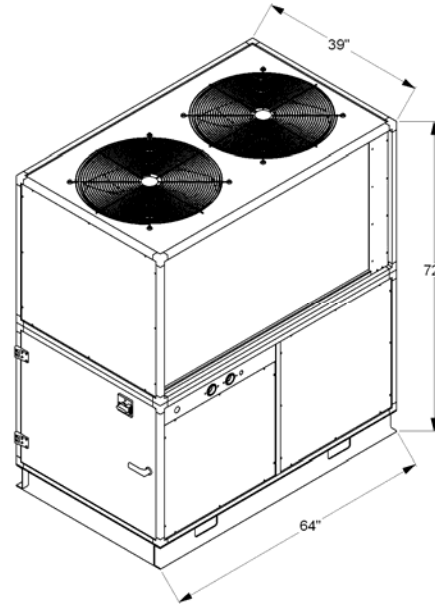
Safety and Operating Controls

- ✿ 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
- ✿ Two stages with dual compressor system

Refrigeration Circuit

- ✿ 12 ton nominal scroll compressor or two 6 ton nominal scroll compressors
- ✿ Air-cooled condenser copper/aluminum
- ✿ Stainless steel brazed plate evaporator
- ✿ Thermostatic expansion valve
- ✿ Liquid-line filter drier
- ✿ Refrigerant sight glass
- ✿ Refrigeration suction and discharge service access valves

Physical Data	CE-12-A
Unit Dimensions	64" L x 39" W x 72"H
Crated Dimensions	70" L x 41" W x 78"H
Dry Weight	1,750 lbs.
Operating Weight	2,380 lbs.
Oil Weight	128 oz.
Refrigerant Weight	25 lbs.
Piping Connections	1-1/2" FPT
Electrical Connections	1-1/4"
Reservoir Capacity	75 Gallons
Condenser CFM	8,400 CFM



Electrical Data																			
Single Comp.	Volts	Phase	HZ	Compressor (Each)			Fan (Each)			System Pump			Bypass Pump			Total	MFS	MCA	
				Qty	HP	RLA	Qty	HP	FLA	Qty	HP	FLA	Qty	HP	FLA	FLA			
Single Comp.	230	3	60	1	12	38.0	2	1.0	5.0	1	0.75	2.6	1	0.17	1.0	51.6	99.1	61.1	
	460	3	60	1	12	19.0	2	1.0	2.5	1	0.75	1.3	1	0.17	0.5	25.8	49.6	30.6	
Dual Comp.	230	3	60	2	6	19.0	2	1.0	5.0	1	0.75	2.8	1	0.17	1.0	51.8	75.6	56.6	
	460	3	60	2	6	9.5	2	1.0	2.5	1	0.75	1.4	1	0.17	0.5	25.9	37.8	28.3	

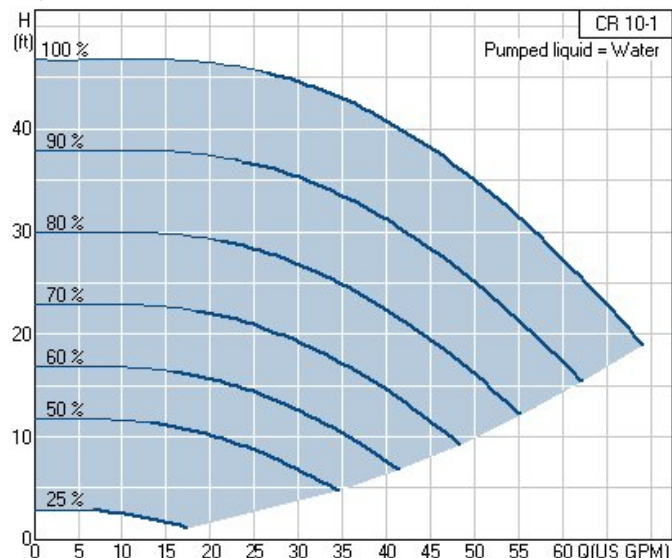
NOTES:

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-12-A				
		Ambient Temperature				
LCT °F	75°	85°	95°	105°	115°	
60°	197.3	188.5	179.2	169.4	159.1	
55°	180.0	171.6	162.7	153.5	143.9	
50°	163.8	155.7	147.3	138.6	129.8	
45°	148.9	141.3	133.4	125.3	117.2	
40°	134.0	126.8	119.4	112.0	104.6	
35°	121.0	114.3	107.5	100.7	94.1	
30°	108.0	101.7	95.5	89.4	83.5	
25°	96.9	91.1	85.5	80.1	83.5	
20°	85.7	80.4	75.5	70.8	-	

* 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

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