



**General Specifications:**

- ✿ 20°F to 70°F Leaving Coolant Range
- ✿ 50 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-10-A	10 Ton Nominal	30	66 feet	90	110	133	1-1/4"	1"	1,490 lbs.

Integrated Available Options	
CATALOG	DESCRIPTION
CVE01001	Locking Casters
CVE01002	Super Low Ambient Kit
CVE01003	High Ambient Kit
CVE01004	Stainless Steel Panels/Hardware
CVE01005	Heresite Coated Condenser Coils
CVE01006	Disconnect Switch (Door Mounted)
CVE01007	VPM Voltage Phase Monitor
CVE01008	6 Point Digital Temp Display
CVE01009	Refrigerant Gauges (per circuit)
CVE01011	Tank Level Alarm
CVE01012	Tank Auto-Fill
CVE01014	Remote Operating Panel
CVE01015	Tank Fill Pressure Reducing Valve
CVE01016	Flow Switch (paddle)
CVE01018	System Pump Pressure Bypass Valve
CVE01019	System Pump VFD
CVE01020	Vibration Isolation Mounts
CVE01021	Water Cooled Condensers Mod Valve

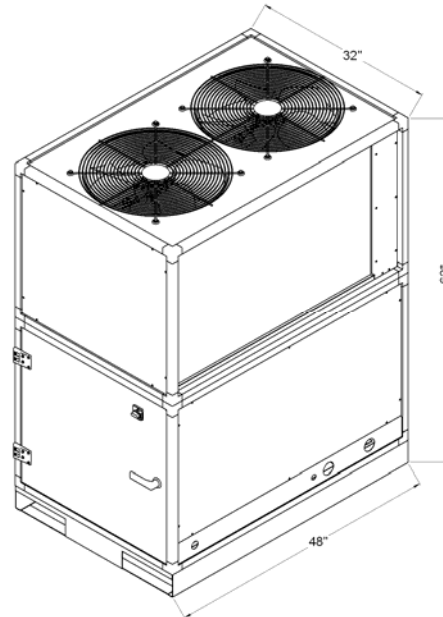
**Safety and Operating Controls**

- ✿ 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**

- ✿ 10 ton nominal scroll compressor
- ✿ Air-cooled condenser copper/aluminum
- ✿ Stainless steel brazed plate heat exchanger
- ✿ Thermostatic expansion valve
- ✿ Liquid-line filter drier
- ✿ Refrigerant sight glass
- ✿ Refrigeration suction and discharge service access valves

Physical Data	CE-10-A
Unit Dimensions	48" L x 32" W x 62" H
Crated Dimensions	54" L x 38" W x 68"H
Dry Weight	1,350 lbs.
Operating Weight	1,770 lbs.
Oil Weight	85 oz.
Refrigerant Weight	15 lbs.
Piping Connections	1-1/4" FPT
Electrical Connections	1"
Reservoir Capacity	50 Gallons
Condenser CFM	7,000 CFM



Electrical Data																	
Volts	Phase	HZ	Compressor (Each)			Fan (Each)			System Pump			Bypass Pump			Total Unit FLA	MFS	MCA
			Qty	HP	FLA	Qty	HP	FLA	Qty	HP	FLA	Qty	HP	FLA			
230	3	60	1	10	28.6	2	0.8	5.0	1	1	3.4	1	0.17	1.0	43.0	78.8	50.2
460	3	60	1	10	14.3	2	0.8	2.5	1	1	1.7	1	0.17	0.5	21.5	39.4	25.1

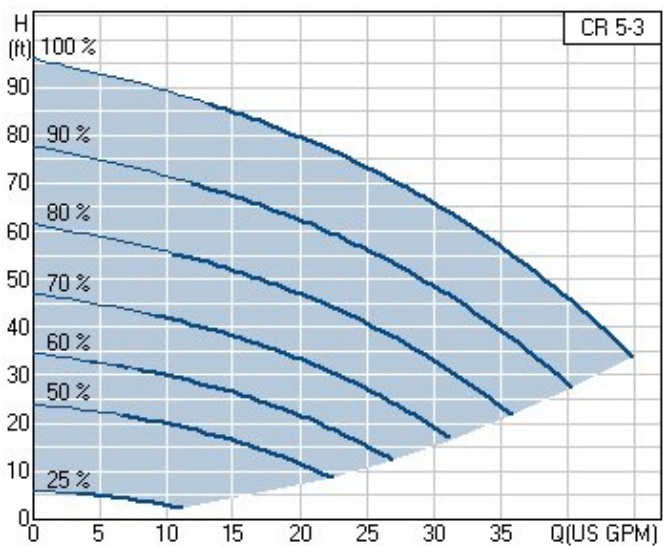
**NOTES:**

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-10-A				
	Ambient Temperature					
LCT °F	75°	85°	95°	105°	115°	
60°	159.8	152.5	145.0	137.4	129.6	
55°	146.3	139.4	132.3	125.0	117.5	
50°	133.6	127.2	120.4	113.4	106.1	
45°	122.1	116.1	109.7	103.0	96.0	
40°	110.5	105.0	99.0	92.6	85.9	
35°	100.5	95.4	89.8	83.7	77.3	
30°	90.4	85.8	80.6	74.9	68.7	
25°	81.7	77.7	72.9	67.5	-	
20°	73.1	69.5	62.2	60.2	-	

\* 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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