

### General Specifications:

- ✿ 20°F to 70°F Leaving Coolant Range
- ✿ 30 Gallon 304 Stainless Steel Evaporator Tank
- ✿ Tank Sight Glass, 15 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-3	3 Ton Nominal	10	47 feet	27	34	43	1"	1"	830 lbs.

### Integrated Available Options

CATALOG	DESCRIPTION
CVE00301	Locking Casters
CVE00302	Super Low Ambient Kit
CVE00303	High Ambient Kit
CVE00304	Stainless Steel Panels/Hardware
CVE00305	Heresite Coated Condenser Coils
CVE00306	Disconnect Switch (Door Mounted)
CVE00307	VPM Voltage Phase Monitor
CVE00308	6 Point Digital Temp Display
CVE00309	Refrigerant Gauges (per circuit)
CVE00311	Tank Level Alarm
CVE00312	Tank Auto-Fill
CVE00314	Remote Operating Panel
CVE00315	Tank Fill Pressure Reducing Valve
CVE00316	Flow Switch (paddle)
CVE00318	System Pump Pressure Bypass Valve
CVE00319	System Pump VFD
CVE00320	Vibration Isolation Mounts
CVE00321	Water Cooled Condensers Mod Valve

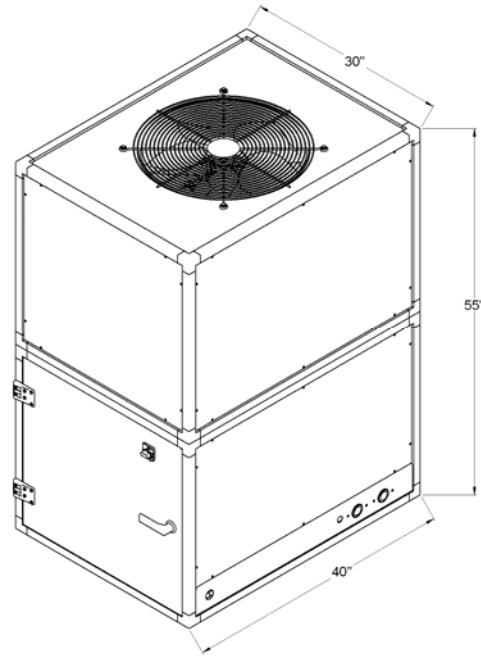
### Safety and Operating Controls

- ✿ 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

- ✿ 3 ton nominal hermetic compressor
- ✿ Air-cooled condenser copper/aluminum
- ✿ Copper coil in shell evaporator
- ✿ Thermostatic expansion valve
- ✿ Liquid-line filter drier
- ✿ Refrigerant sight glass
- ✿ Refrigeration suction and discharge service access valves

Physical Data	CE-3-A
Unit Dimensions	40" L x 30" W x 55" H
Crated Dimensions	46" L x 36" W x 61" H
Dry Weight	750 lbs.
Operating Weight	1010 lbs.
Oil Weight	65 oz.
Refrigerant Weight	10 lbs.
Piping Connections	1" FNPT
Electrical Connections	1"
Reservoir Capacity	30 Gallons
Condenser CFM	2,100 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	3	10.6	1	0.6	4.0	1	0.33	1.2	1	0.17	1.0	16.8	30.1	19.5
460	3	60	1	3	5.3	1	0.6	2.0	1	0.33	0.6	1	0.17	0.5	8.4	15.0	9.7

**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-3-A
	Ambient Temperature					
LCT °F	75°	85°	95°	105°	115°	
60°	54.7	51.2	47.8	44.4	41.0	
55°	49.4	46.2	42.9	39.7	36.8	
50°	44.5	41.4	38.4	35.0	32.4	
45°	39.8	36.9	34.1	31.4	28.7	
40°	35.5	32.7	30.2	27.6	25.1	
35°	31.5	29.0	26.6	24.2	21.9	
30°	27.8	25.2	23.2	21.0	18.9	
25°	24.3	22.2	20.2	18.1	16.2	
20°	21.1	19.2	17.3	15.5	-	

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

**System Pump Performance Curve (Nominal)**

