

General Specifications:

- ✦ 20°F to 70°F Leaving Coolant Range
- ✦ 90 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
- ✦ Optional Integrated Bypass Pump

Model	Description	Flow GPM	Capacity @ 95°F Ambient (1,000's BTUH)			Pipe size	Electrical size	Shipping Weight
			35°F	45°F	55°F			
CE-25-A-1	Single Compressor	70	231	287	353	2"	2"	3,150 lbs.
CE-25-A-2	Dual Compressor	70	215	267	325	2"	2"	3,000 lbs.

Integrated Available Options

CATALOG	DESCRIPTION
CVE02501	Locking Casters
CVE02502	Super Low Ambient Kit
CVE02503	High Ambient Kit
CVE02504	Stainless Steel Panels/Hardware
CVE02505	Heresite Coated Condenser Coils
CVE02506	Disconnect Switch (Door Mounted)
CVE02507	VPM Voltage Phase Monitor
CVE02508	6 Point Digital Temp Display
CVE02509	Refrigerant Gauges (per circuit)
CVE02511	Tank Level Alarm
CVE02512	Tank Auto-Fill
CVE02514	Remote Operating Panel
CVE02515	Tank Fill Pressure Reducing Valve
CVE02516	Flow Switch (paddle)
CVE02518	System Pump Pressure Bypass Valve
CVE02519	System Pump VFD
CVE02520	Vibration Isolation Mounts
CVE02521	Water Cooled Condensers Mod Valve

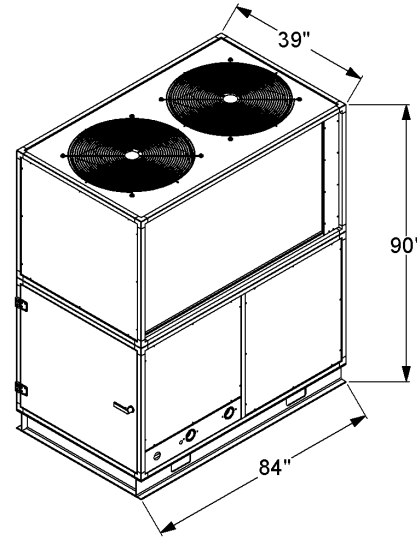
Safety and Operating Controls

- ✦ Temperature and pressure gauge panel
- ✦ High and low refrigerant pressure lockouts
- ✦ Simple electronic temperature controls
- ✦ Two stages with dual compressor system
- ✦ Suction pressure operating control
- ✦ Discharge pressure control for condenser fans
- ✦ Contactors, motor starters, and overloads

Refrigeration Circuit

- ✦ 25 ton nominal semi-hermetic compressor or two 12.5 ton scroll compressors
- ✦ Independent refrigeration circuit per compressor
- ✦ Air-cooled condenser copper/aluminum
- ✦ Stainless steel brazed plate evaporator
- ✦ Thermostatic expansion valve
- ✦ Liquid-line filter dryer
- ✦ Refrigerant sight glass
- ✦ Suction and discharge service access valves

Physical Data	CE-25-A
Unit Dimensions	84" L x 39" W x 90" H
Dry Weight	2,750 lbs.
Operating Weight	3,500 lbs.
Oil Weight	27.6 pt
Refrigerant Weight	30 lbs.
Piping Connections	2"
Electrical Connections	2"
Reservoir Capacity	90 Gallons
Condenser CFM	17,500 CFM
Nominal Pump Design	70 GPM @ 115' Head



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	25	88.4	2	1.5	4.0	1	5.00	12.0	1	0.17	1.0	109.4	219.9	131.5	
	460	3	60	1	25	44.2	2	1.5	2.0	1	5.00	6.0	1	0.17	0.5	54.7	110.0	65.8	
Dual Comp.	230	3	60	2	12.5	38.0	2	1.5	4.0	1	5.00	12.0	1	0.17	1.0	97.0	144.5	106.5	
	460	3	60	2	12.5	19.0	2	1.5	2.0	1	5.00	6.0	1	0.17	0.5	48.5	72.3	53.3	

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-25-A-2
	Ambient Temperature					
LCT °F	75°	85°	95°	105°	115°	
60°	394.6	377.0	358.4	338.8	318.2	
55°	360.0	343.2	325.4	307.0	287.8	
50°	327.6	311.4	294.6	277.2	259.6	
45°	297.8	282.5	266.7	250.6	234.4	
40°	268.0	253.6	238.8	224.0	209.2	
35°	242.0	228.5	214.9	171.4	188.1	
30°	216.0	203.4	191.0	118.8	167.0	
25°	193.7	182.1	171.0	130.2	-	
20°	171.4	160.8	151.0	141.6	-	

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

System Pump Performance Curve (Nominal)

