

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

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			
CF-10-A	10 Ton Nominal	30	66 feet	90	110	133	1-1/4"	1"	1300 lbs.

Integrated Available Options	
CATALOG	DESCRIPTION
CVF01001	Locking Casters
CVF01002	Super Low Ambient Kit
CVF01003	High Ambient Kit
CVF01004	Stainless Steel Panels/Hardware
CVF01005	Heresite Coated Condenser Coils
CVF01006	Disconnect Switch (Door Mounted)
CVF01007	VPM Voltage Phase Monitor
CVF01008	6 Point Digital Temp Display
CVF01009	Refrigerant Gauges (per circuit)
CVF01011	Tank Level Alarm
CVF01012	Tank Auto-Fill
CVF01014	Remote Operating Panel
CVF01015	Tank Fill Pressure Reducing Valve
CVF01016	Flow Switch (paddle)
CVF01018	System Pump Pressure Bypass Valve
CVF01019	System Pump VFD
CVF01020	Vibration Isolation Mounts
CVF01021	Water Cooled Condensers Mod Valve

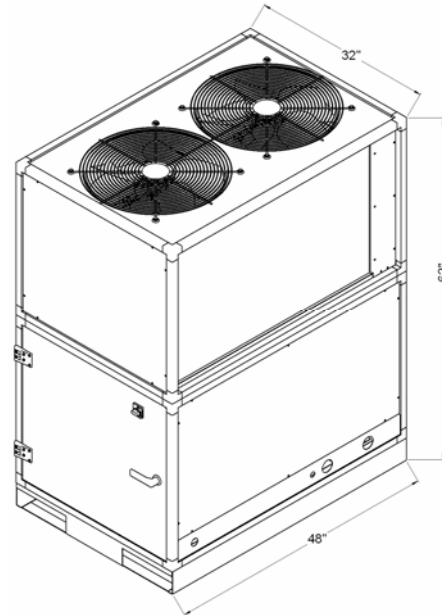
Safety and Operating Controls

- ✿ 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	CF-10-A
Unit Dimensions	48" L x 32" W x 62" H
Crated Dimensions	54" L x 38" W x 68"H
Dry Weight	1,200 lbs.
Operating Weight	1,620 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			Total Unit FLA	MFS	MCA
			Qty	HP	RLA	Qty	HP	FLA	Qty	HP	FLA			
230	3	50	1	10	28.6	2	0.75	5.0	1	1	3.4	42.0	77.7	49.1
460	3	60	1	10	14.3	2	0.75	2.5	1	1	1.7	21.0	38.9	24.6

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		CF-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)

