

**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

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-15-A-1	Single Compressor	45	80	131	162	197	1-1/2"	1-1/4"	2,300 lbs.
CF-15-A-2	Dual Compressor	45	80	126	156	190	1-1/2"	1-1/4"	2,400 lbs.

**Integrated Available Options**

CATALOG	DESCRIPTION
CVF01501	Locking Casters
CVF01502	Super Low Ambient Kit
CVF01503	High Ambient Kit
CVF01504	Stainless Steel Panels/Hardware
CVF01505	Heresite Coated Condenser Coils
CVF01506	Disconnect Switch (Door Mounted)
CVF01507	VPM Voltage Phase Monitor
CVF01508	6 Point Digital Temp Display
CVF01509	Refrigerant Gauges (per circuit)
CVF01511	Tank Level Alarm
CVF01512	Tank Auto-Fill
CVF01514	Remote Operating Panel
CVF01515	Tank Fill Pressure Reducing Valve
CVF01516	Flow Switch (paddle)
CVF01518	System Pump Pressure Bypass Valve
CVF01519	System Pump VFD
CVF01520	Vibration Isolation Mounts
CVF01521	Water Cooled Condensers Mod Valve

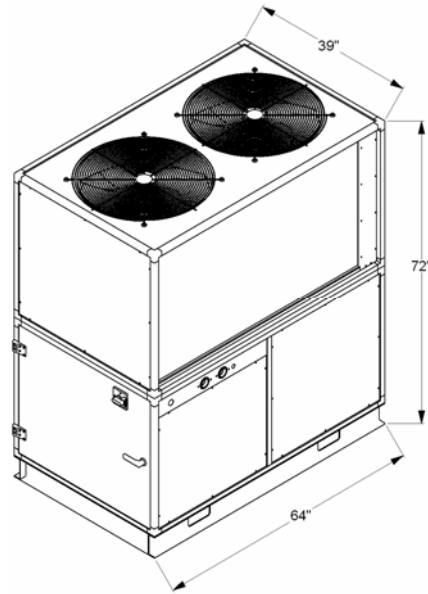
**Safety and Operating Controls**

- ✿ 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
- ✿ Branch circuit protection
- ✿ Two stages with dual compressor system

**Refrigeration Circuit**

- ✿ 15 ton nominal scroll compressor or two 7.5 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	CF-15-A
Unit Dimensions	64" L x 39" W x 72"H
Crated Dimensions	70" L x 43" W x 78"H
Dry Weight	2,200 lbs.
Operating Weight	2,850 lbs.
Oil Weight	20 pt.
Refrigerant Weight	25 lbs.
Piping Connections	1-1/2"
Electrical Connections	1-1/4"
Reservoir Capacity	75 Gallons
Condenser CFM	10,500 CFM



Electrical Data															
Single Comp.	Volts	Phase	HZ	Compressor (Each)			Fan (Each)			System Pump			Total Unit	MFS	MCA
				Qty	HP	RLA	Qty	HP	FLA	Qty	HP	FLA	FLA		
	230	3	60	1	15	43.6	2	1	5.0	1	1.5	4.6	58.2	112.7	69.1
	460	3	60	1	15	21.8	2	1	2.5	1	1.5	2.3	29.1	56.4	34.6
Dual Comp.	230	3	60	2	7.5	22.6	2	1	5.0	1	1.5	4.6	59.8	88.1	65.5
	460	3	60	2	7.5	11.3	2	1	2.5	1	1.5	2.3	29.9	44.0	32.7

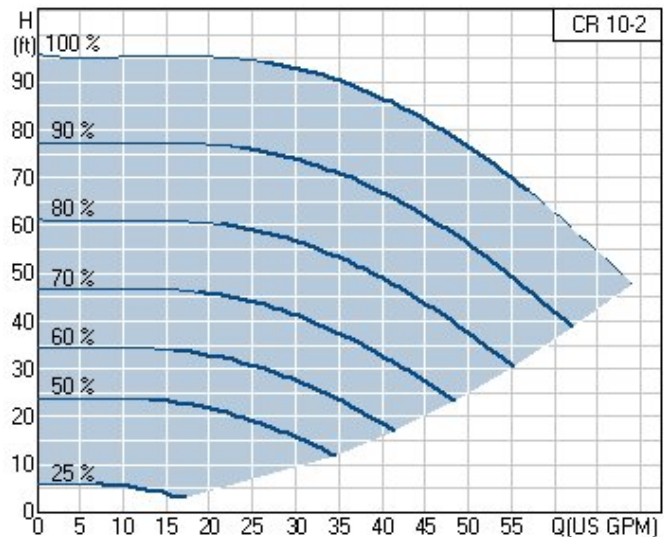
**NOTES:**

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						CF-15-A
	Ambient Temperature					
LCT °F	75°	85°	95°	105°	115°	
60°	240.3	228.3	216.1	203.5	190.7	
55°	219.3	208.1	196.7	185.0	173.1	
50°	199.5	189.1	178.4	167.5	156.4	
45°	181.3	171.7	161.8	151.6	141.3	
40°	163.2	154.3	145.1	135.7	126.1	
35°	147.4	139.1	130.5	121.8	112.9	
30°	131.5	123.8	115.9	107.8	99.6	
25°	117.8	110.7	103.4	95.9	-	
20°	104.1	97.6	90.9	84.0	-	

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

**System Pump Performance Curve (Nominal)**



**Chiller Solutions LLC**

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**Engineering Specifications**

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