

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

Model	Description	Flow GPM	Capacity @ 95°F Ambient (1,000's BTUH)			Pipe size	Electrical size	Shipping Weight
			35°F	45°F	55°F			
CF-25-A-1	Single Compressor	70	231	287	353	2"	2"	2,650 lbs.
CF-25-A-2	Dual Compressor	70	215	267	325	2"	2"	2,700 lbs.

Integrated Available Options

CATALOG	DESCRIPTION
CVF02501	Locking Casters
CVF02502	Super Low Ambient Kit
CVF02503	High Ambient Kit
CVF02504	Stainless Steel Panels/Hardware
CVF02505	Heresite Coated Condenser Coils
CVF02506	Disconnect Switch (Door Mounted)
CVF02507	VPM Voltage Phase Monitor
CVF02508	6 Point Digital Temp Display
CVF02509	Refrigerant Gauges (per circuit)
CVF02511	Tank Level Alarm
CVF02512	Tank Auto-Fill
CVF02514	Remote Operating Panel
CVF02515	Tank Fill Pressure Reducing Valve
CVF02516	Flow Switch (paddle)
CVF02518	System Pump Pressure Bypass Valve
CVF02519	System Pump VFD
CVF02520	Vibration Isolation Mounts
CVF02521	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

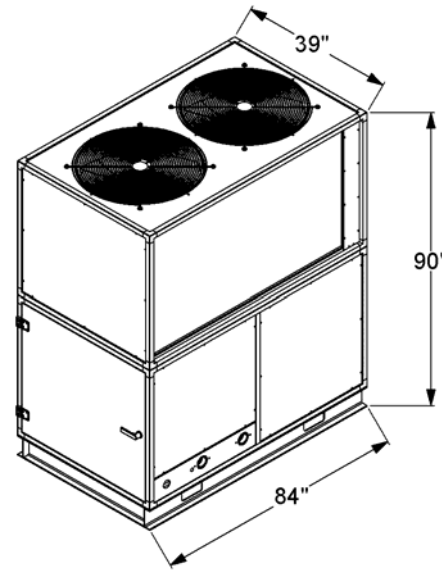
Chiller Solutions LLC

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Engineering Specifications

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Physical Data	CF-25-A
Unit Dimensions	84" L x 39" W x 90" H
Dry Weight	2,450 lbs.
Operating Weight	3,200 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			Total Unit	MFS	MCA
				Qty	HP	FLA	Qty	HP	FLA	Qty	HP	FLA	FLA		
	230	3	60	1	25	88.4	2	1.5	4.0	1	5	12.0	108.4	218.9	130.5
	460	3	60	1	25	44.2	2	1.5	2.0	1	5	6.0	54.2	109.5	65.3
Dual Comp.	230	3	60	2	12.5	38.0	2	1.5	4.0	1	5	12.0	96.0	143.5	105.5
	460	3	60	2	12.5	19.0	2	1.5	2.0	1	5	6.0	48.0	71.8	52.8

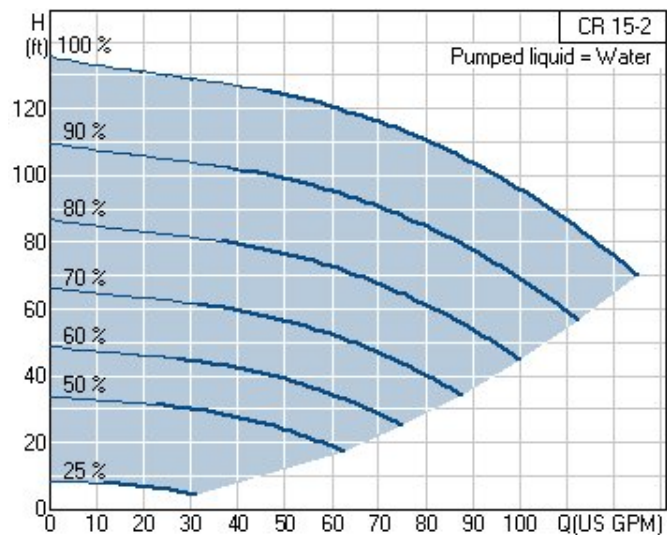
NOTES:

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-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)



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