

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-12-A-1 | Single Compressor | 35 | 45 | 108 | 133 | 163 | 1-1/2" | 1-1/4" | 1700 lbs. |
| CF-12-A-2 | Dual Compressor | 35 | 45 | 104 | 129 | 156 | 1-1/2" | 1-1/4" | 1750 lbs. |

Integrated Available Options

| CATALOG | DESCRIPTION |
|----------|-----------------------------------|
| CVF01201 | Locking Casters |
| CVF01202 | Super Low Ambient Kit |
| CVF01203 | High Ambient Kit |
| CVF01204 | Stainless Steel Panels/Hardware |
| CVF01205 | Heresite Coated Condenser Coils |
| CVF01206 | Disconnect Switch (Door Mounted) |
| CVF01207 | VPM Voltage Phase Monitor |
| CVF01208 | 6 Point Digital Temp Display |
| CVF01209 | Refrigerant Gauges (per circuit) |
| CVF01211 | Tank Level Alarm |
| CVF01212 | Tank Auto-Fill |
| CVF01214 | Remote Operating Panel |
| CVF01215 | Tank Fill Pressure Reducing Valve |
| CVF01216 | Flow Switch (paddle) |
| CVF01218 | System Pump Pressure Bypass Valve |
| CVF01219 | System Pump VFD |
| CVF01220 | Vibration Isolation Mounts |
| CVF01221 | 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
- ✿ Two stages with dual compressor system

Refrigeration Circuit

- ✿ 12 ton nominal scroll compressor or two 6 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

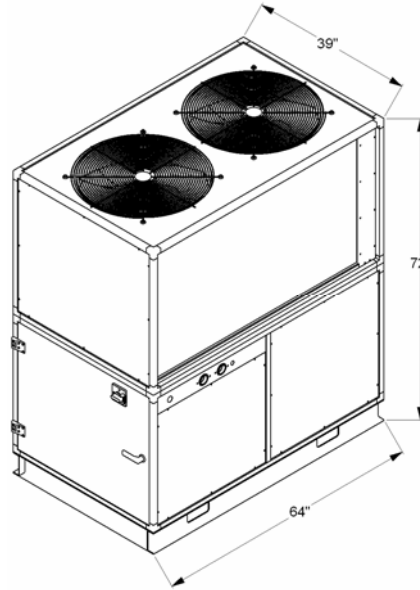
Chiller Solutions LLC

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Engineering Specifications

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| Physical Data | CF-12-A |
|------------------------|----------------------|
| Unit Dimensions | 64" L x 39" W x 72"H |
| Crated Dimensions | 70" L x 45" W x 78"H |
| Dry Weight | 1,750 lbs. |
| Operating Weight | 2,400 lbs. |
| Oil Weight | 128 oz. |
| Refrigerant Weight | 25 lbs. |
| Piping Connections | 1-1/2" FPT |
| Electrical Connections | 1-1/4" |
| Reservoir Capacity | 75 Gallons |
| Condenser CFM | 8,400 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 | 12 | 38 | 2 | 1 | 5.0 | 1 | 0.75 | 2.6 | 50.6 | 98.1 | 60.1 |
| | 460 | 3 | 60 | 1 | 12 | 19 | 2 | 1 | 2.5 | 1 | 0.75 | 1.3 | 25.3 | 49.1 | 30.1 |
| Dual Comp. | 230 | 3 | 60 | 2 | 6 | 19.0 | 2 | 1 | 5.0 | 1 | 0.75 | 2.7 | 50.7 | 74.5 | 55.5 |
| | 460 | 3 | 60 | 2 | 6 | 9.5 | 2 | 1 | 2.5 | 1 | 0.75 | 1.4 | 25.4 | 37.2 | 27.7 |

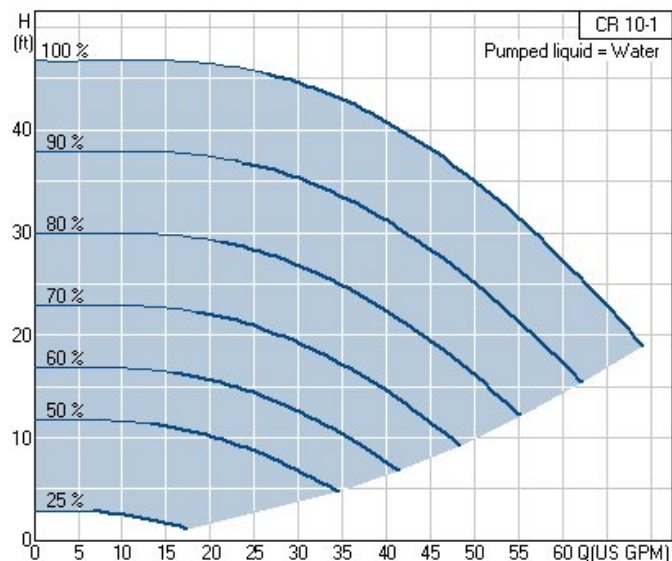
NOTES:

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-12-A |
|------------------|---------------------|-------|-------|-------|-------|---------|
| | Ambient Temperature | | | | | |
| LCT °F | 75° | 85° | 95° | 105° | 115° | |
| 60° | 197.3 | 188.5 | 179.2 | 169.4 | 159.1 | |
| 55° | 180.0 | 171.6 | 162.7 | 153.5 | 143.9 | |
| 50° | 163.8 | 155.7 | 147.3 | 138.6 | 129.8 | |
| 45° | 148.9 | 141.3 | 133.4 | 125.3 | 117.2 | |
| 40° | 134.0 | 126.8 | 119.4 | 112.0 | 104.6 | |
| 35° | 121.0 | 114.3 | 107.5 | 100.7 | 94.1 | |
| 30° | 108.0 | 101.7 | 95.5 | 89.4 | 83.5 | |
| 25° | 96.9 | 91.1 | 85.5 | 80.1 | 83.5 | |
| 20° | 85.7 | 80.4 | 75.5 | 70.8 | - | |

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

System Pump Performance Curve (Nominal)



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