PORTABLE CHILLERS

CF SERIES
AIR-COOLED

- *1/4 to 1.5 Tons Capacity*
- *Microprocessor Control*
- *Air-Cooled Condenser*
- *Galvanized Steel Frame*
- *Nonferrous Coolant Circuit*

CF-1A Shown

The **CF Series** portable chiller provides precision temperature control from an economically affordable and reliable unit. Perfect for small applications such as plastic injection molding, blow molding, extrusion and other industrial applications. Product features include:

TEMPERATURE RANGE
- 20° - 65°F

REFRIGERANT CIRCUIT
- Hermetic compressor
- Air-cooled condenser with fan induced air flow
- Filter-drier
- Liquid line solenoid valve
- Refrigerant sight glass with moisture indicator
- Thermostatic expansion valve
- Coaxial evaporator
- Full component insulation

COOLANT CIRCUIT
- Brass vane pump
- Insulated non-ferrous reservoir
- Reservoir level sight glass

LIMIT DEVICES
- Compressor motor overload protection
- Refrigerant high pressure switch
- Refrigerant low pressure switch
- Instrument control circuit fuse

CHILLER CONTROL INSTRUMENT
- Microprocessor based controller
- Large temperature display window
- To process temperature display in °F and °C
- Illuminated Power On switch
- Indicator lights for *Compressor* and *Hot Gas Bypass*
- Diagnostic light for *Refrigerant Fault*
- Soft key setpoint selectors

ELECTRICAL
- Nema rated electrical cabinet
- Process pump motor starter
- Compressor motor starter
- Fused transformer
- Factory installed power cord

FRAME
- Female NPT process connections
- Galvanized steel frame
- Enclosure panels (optional)
- 3” bearing casters

WARRANTY & SERVICE
- 1 year on parts & labor
- Nationwide network of service contractors

since 1989

TEMPTEK®

PRICE & PERFORMANCE... for the LONG TERM

525 East Stop 18 Road Greenwood, IN 46142 317-887-6352 fax: 317-881-1277 web site: www.Temptek.com email: sales@Temptek.com

SPECIFICATIONS

CF-A SERIES SPECIFICATIONS

MODEL		CF-.25A	CF-.33A	CF-.5A	CF-.75A	CF-1A	CF-1.5A
COMPRESSOR	Capacity[1]	.25	.32	.41	.70	.98	1.35
	HP	.25	.33	.50	.75	1	1.50
	Type[2]	H	H	H	H	H	H
PROCESS PUMP[3]	HP	1/4	1/4	1/4	1/4	1/2	1/2
	GPM	.6	.8	.9	1.7	2.4	3.6
	PSI	60	60	60	60	60	60
CONNECTION SIZES (inches)	To Process	1/2	1/2	1/2	1/2	1/2	3/4
	From Procss	1/2	1/2	1/2	1/2	1/2	3/4
FULL LOAD AMPERAGE[4]	115 / 1 / 60	11	12	14	22	24	n/a
	220 / 1 / 60	n/a	n/a	8	11	12	15
REFRIGERANT	Type HCFC	22	22	22	22	22	22
RESERVOIR CAPACITY	Gallons	4	4	4	4	4	4
DIMENSIONS (inches)	Height	33	33	33	33	33	37
	Width	18	18	18	18	18	19
	Depth	24	24	24	24	24	25
WEIGHT (pounds)	Shipping[5]	150	150	170	205	210	220

Notes:

1. Tons of capacity at 12,000 BTU / ton at 50°F LWT at 105°F condensing water temperature. Capacities may be + / - 5% as reserved by the compressor manufacturer. Capacity multipliers are 50°F - 1.00 ; 40°F - .80 ; 30°F - .60 ; 20°F - .40 . The minimum recommended operating temperature when no glycol is used is 48°F.

2. H - hermetic compressor used on this model.

3. Consult with the factory for exact characteristics relating to pump curves.

4. Full load amps shown. No allowance for inrush. Service disconnect by owner. Actual running amps at design condition. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring. Consult factory for 50 Hz operation.

5. Approximate unit weight crated for shipment.

MACHINE COMPONENTS

A - Chiller Control
B - Power Switch
C - Pump
D - Temperature Sensor
E - Reservoir
F - Bypass Valve
G - Expansion Valve
H - Refrigerant Sight Glass
I - Process Connections (not visible in photograph)
J - Condenser
K - Caster
L - Fan Assembly
M - Compressor (not visible in photograph)
N - Liquid Receiver
O - Filter- Drier
P - High/ Low Pressure Switch
Q - Power Cord

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