PORTABLE CHILLERS

CF-A SERIES
AIR-COOLED

- *4 to 30 Tons Capacity*
- *Microprocessor Based Chiller Control*
- *Air-Cooled Condenser*
- *Steel Frame & Lift-Off Cabinetry*
- *Scroll Compressor*
- *Brazed Plate Evaporator*

CF-10A shown

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

TEMPERATURE RANGE
- 20° - 65°F

REFRIGERANT CIRCUIT
- Scroll compressor
- Air-cool condenser
- Fan induced air flow
- Filter-drier
- Liquid line solenoid valve
- Refrigerant sight glass with moisture indicator
- Thermostatic expansion valve
- Hot gas by-pass capacity control
- Braze plate evaporator
- Full component insulation

COOLANT CIRCUIT
- Stainless steel process pump on 5-20 ton models
- Cast iron process pump on 25 - 40 ton models
- Insulated non-ferrous reservoir
- All non-ferrous construction

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

ELECTRICAL
- Nema rated electrical cabinet
- Process pump motor starter
- Compressor motor starter
- Fused transformer
- Power entry terminal block

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

FRAME
- Female NPT process connections
- Powder coated steel frame
- 4” 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

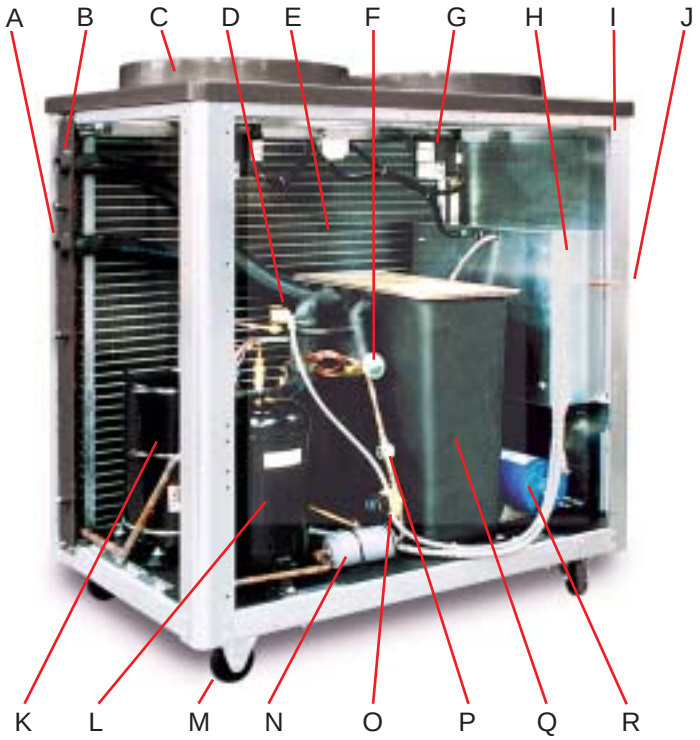
CF-A SERIES SPECIFICATIONS

MODEL		4A	5A	7.5A	10A	15A-FC	15A	20A	25A	30A
COMPRESSOR	Capacity[1]	4	5	7.5	10	15	15	20	24	26
	HP	4	5	7.5	10	15	15	10	12	15
	Quantity	1	1	1	1	1	1	2	2	2
	Type[2]	SC	SC	SC	SC	SC	SC	SC	SC	SC
PROCESS PUMP[3]	HP	3/4	2	2	2	3	3	3	5	5
	GPM	9.6	12	18	24	36	36	48	60	72
	PSI	38	52	58	57	58	58	55	59	57
CONNECTION SIZES (inches)	To Process	1-1/4	1-1/4	1-1/4	1-1/4	2	2	2	2	2
	From Process	1-1/4	1-1/4	1-1/4	1-1/4	2	2	2	2	2
AIR-COOLED CONDENSER	Type	Fan	Fan	Fan	Fan	Fan	Blower	Blower	Blower	Blower
	Motor Quantity	1	1	2	2	1	1	1	1	1
	Motor HP	3/4	3/4	3/4	3/4	3	7.5	10	15	20
	CFM	5,000	5,000	10,000	10,000	15,000	15,000	20,000	25,000	30,000
	SP[4]	n/a	n/a	n/a	n/a	n/a	1.35	n/a	1.35	1.35
FULL LOAD AMPERAGE[5]	230 / 3 / 60	25	38	48	55	74	85	120	158	178
	460 / 3 / 60	12	19	24	27	37	42	60	79	89
	575 / 3 / 60	10	12	19	22	30	36	48	64	72
REFRIGERANT	Type	22	22	22	22	22	22	22	22	22
RESERVOIR CAPACITY	Gallons	25	25	25	25	65	65	65	65	65
DIMENSIONS	Height	60	60	60	60	96	96	96	96	96
	Width	34	34	34	34	58	58	58	58	58
	Depth	40	40	56	56	70	70	70	70	70
WEIGHT (LBS)	Shipping[6]	855	700	1,250	1,300	2,300	2,300	2,600	2,800	2,900

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.** SC = scroll compressor used on this model. S - semi hermetic compressor used on this model. **3.** Consult with the factory for exact characteristics relating to pump curves. **4.** Static pressure in inches of water. **5.** 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. **6.** Approximate unit weight crated for shipment.

MECHANICAL COMPONENTS

A - From Process Connection
B - To Process Connection
C - Protective Fan Shroud
D - Hot Gas Bypass Valve
E - Air-Cooled Condenser
F - Expansion Valve
G - Fan Motor
H - Electrical Cabinet
I - Steel Frame
J - Instrument (not viewed in picture)
K - Liquid Receiver
L - Compressor
M - Castor
N - Filter-drier
O - Liquid Line Solenoid Valve
P - Refrigerant Sight Glass
Q - Insulated reservoir
R - Centrifugal pump



since 1989

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