

PORTABLE WATER CHILLERS

CF SERIES

Air-Cooled

- ¼ - 1½ Ton Models
- Microprocessor Control Instrument
- 20°F - 80°F Fluid Temperatures
- Non Ozone Depleting Refrigerant
- Galvanized Steel Frame
- Non-ferrous Cooling Circuit

TempTek CF Series Portable Chillers used to cool fluids and support industrial process cooling applications requiring a temperature between 20° - 80°F.

Portable Chillers are delivered fully charged, ready for easy installation and operation.

TEMPERATURE RANGE

- 20° - 80°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
- Environmentally friendly refrigerants

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

- 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

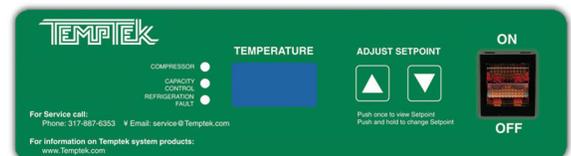
- Female NPT process connections
- Galvanized steel frame
- Enclosure panels (optional)
- 3" bearing casters

WARRANTY & SERVICE

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



CF-1A



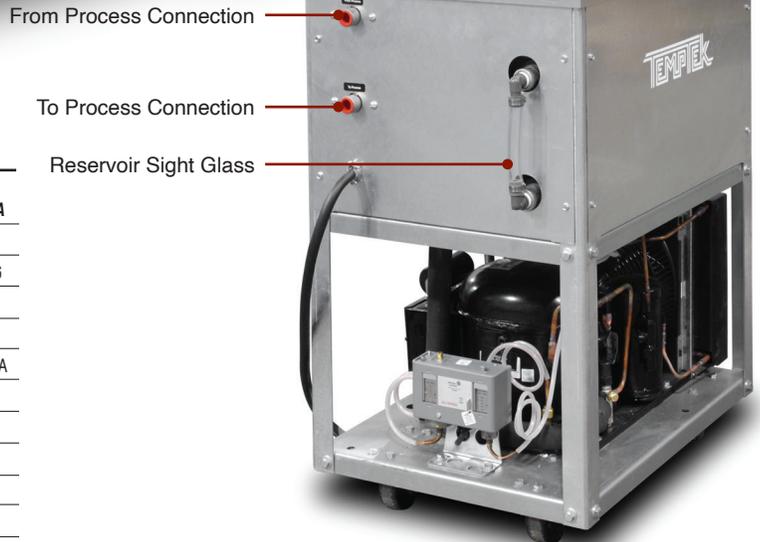
Control instrument for portable chillers from ½ - 1½ tons.

CHILLER CONTROL INSTRUMENT

- Microprocessor based controller
- Large temperature display window
- To process temperature display in °F & °C
- Illuminated Power On switch
- Indicator lights for *Compressor* and *Hot Gas Bypass*
- Diagnostic light for *Refrigerant Fault*
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TEMPTEK®

Components



Specifications

| MODEL | CF- | .25A | .33A | .5A | .75A | 1A | 1.5A | |
|------------------------|----------------------------|------------------------|------|------|------|------|------|----|
| CAPACITY @ 50°F LWT | Tons ² | .29 | .39 | .50 | .75 | 1 | 1.5 | |
| | KW ² | 1 | 1.36 | 1.75 | 2.53 | 3.5 | 5.26 | |
| COMPRESSOR | HP | .25 | .33 | .50 | .75 | 1 | 1.5 | |
| | Type ³ | R | R | R | R | R | R | |
| REFRIGERANT | | 134A | 134A | 134A | 134A | 134A | 134A | |
| PROCESS PUMP | HP | 1/3 | 1/3 | 1/3 | 1/3 | 1/2 | 1/2 | |
| | GPM | .7 | .9 | 1.2 | 1.8 | 2.4 | 3.6 | |
| | PSI | 60 | 60 | 60 | 60 | 60 | 60 | |
| | Type ⁴ | P | P | P | P | P | P | |
| | Construction ⁵ | B | B | B | B | B | B | |
| CONNECTION | Process (to/from) | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | |
| SIZES | Make-Up | -- | -- | -- | -- | -- | -- | |
| AIR-COOLED | Type ⁶ | F | F | F | F | F | F | |
| CONDENSER | CFM x 1000 | .25 | .33 | .45 | .65 | .71 | 1.1 | |
| | S.P. ⁷ | -- | -- | -- | -- | -- | -- | |
| | Ambient ⁸ | 90 | 90 | 90 | 90 | 90 | 90 | |
| FULL LOAD ⁹ | 115/1/60 | 13 | 15 | 17 | 21 | 29 | -- | |
| AMPERAGE | 230/1/60 | -- | -- | 9 | 11 | 15 | 20 | |
| | TANK CAPACITY | Holding | 4 | 4 | 4 | 4 | 4 | 4 |
| | (gallons) | Tank Lid ¹⁰ | S | S | S | S | S | S |
| | Auto Make Up ¹⁰ | O | O | O | O | O | O | |
| DIMENSIONS | Height | 33 | 33 | 33 | 37 | 37 | 37 | |
| | (inches) | Width | 18 | 18 | 18 | 19 | 19 | 19 |
| | Depth | 24 | 24 | 24 | 25 | 25 | 25 | |
| WEIGHTS (pounds) | Shipping ¹¹ | 220 | 220 | 220 | 265 | 345 | 350 | |

Notes

1. Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice or liability. Selection of certain optional features may change listed specifications.
2. Tons or Kilowatts capacity at 12,000 Btu/hr/ton @ 50°F LWT, 95°F ambient and 115°F condensing. 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.
3. R = hermetic reciprocating. SC = hermetic scroll.
4. P = positive displacement. C = centrifugal.
5. B = brass. SS = stainless steel. C = cast iron.
6. F = fan. B = blower.
7. Static pressure in inches of water.
8. Design ambient conditions. Loss of capacity and/or difficulty operating will occur at higher ambient.
9. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring.
10. S = standard. O = optional.
11. Approximate unit weight crated for shipment.

For More Information ... call **317-887-6352**

Since 1989 ... PRICE & PERFORMANCE for the LONG TERM !

