

PORTABLE CHILLERS

- 5 to 40 Tons Capacity
- Microprocessor Based Chiller Control
- Remote Air-Cooled Condenser
- Steel Frame & Lift-Off Cabinetry
- Scroll Compressor
- Brazed Plate Evaporator
- Non Ozone Depleting Refrigerants

The **CF-ARC Series** water 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.

The CR-ARC has two components. The Indoor unit sits inside the production facility. The microprocessor controller regulates temperature and all machine functions. The remote air-cooled condenser provides process cooling while rejecting the absorbed heat outside, eliminating heat gain to your building.

TEMPERATURE RANGE

- 20° - 65°F

CONSTRUCTION (Interior Unit):

- Powder coated steel upright frame members
- Galvanized steel cross frame members
- Powder coated lift-off enclosure panels
- Lift-off molded front panel

REFRIGERANT CIRCUIT:

- Hermetic Scroll Compressors
- Remote Air-Cooled Condenser
 - Located outdoors
 - Finned tube
 - Fan generated air flow
 - Ambient control to -20°F
- Filter-drier
- Liquid line solenoid valve
- Refrigerant sight glass with moisture indicator
- Thermostatic expansion valve
- Microprocessor controlled hot gas by-pass capacity control system
- Stainless Steel Brazed Plate evaporator
- Liquid receiver
- Oil separator

PRESSURE GAUGES:

- Refrigerant high pressure
- Refrigerant low pressure
- Coolant pressure gauge

COOLANT CIRCUIT:

- Coolant pump
 - High flow stainless steel centrifugal pump in 5 to 30 tons models (up to 5 HP)

CF-ARC SERIES

AIR-COOLED UNIT WITH
REMOTE CONDENSER



CF-10A-RC
indoor unit



CF-10A-RC
remote condenser

- Large capacity insulated non-ferrous reservoir
- Reservoir level sight tube
- Automatic water make-up system
- Standard NPT process fittings

ELECTRICAL:

- Process pump motor starter
- Compressor motor
- Fused transformer
- Power entry terminal block

LIMIT DEVICES:

- High refrigerant pressure
- Low refrigerant pressure
- Refrigerant pressure relief valve
- Process pump motor overload
- Instrument control circuit fuse

WARRANTY:

- 1 Year covering parts and labor

PRICE & PERFORMANCE... for the LONG TERM

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TEMPTTEK®

since 1989

SPECIFICATIONS

MODEL ¹	CF-	5A-RC	7.5A-RC	10A-RC	15A-RC	20A-RC	25A-RC	30A-RC	40A-RC
CAPACITY ² @ 50°F LWT	Tons ²	4.9	7.1	9.8	14.5	18.5	23.1	30	36.7
	KW ²	17.2	24.9	34.4	50.9	64.9	81	105.3	128.8
COMPRESSOR	Type	Single Scroll	Single Scroll	Single Scroll	Single Scroll	Single Scroll	Single Scroll	Single Scroll	Tandem Scroll
REFRIGERANT		410A	410A	410A	410A	410A	410A	410A	410A
PROCESS PUMP	HP	2	2	2	3	3	5	5	7½
	GPM	12	19	26	36	48	60	72	92
	PSI	52	48	47	55	50	59	57	61
	Type ³	C	C	C	C	C	C	C	C
	Construction ⁴	SS	SS	SS	SS	SS	SS	SS	C
WATER CONNECTION	Process (to/from)	1¼	1¼	1¼	2	2	2	2	2½
SIZES	Make-Up	½	½	½	½	½	½	½	½
FULL LOAD ⁵	230 volt	28	40	48	70	76	106	134	158
AMPERAGE	460 volt	14	20	24	35	38	53	67	79
	@ 3ø / 60 Hz 575 volt	12	16	20	28	31	43	57	64
TANK CAPACITY (gallons)	Holding	25	25	25	65	65	65	65	65
	Tank Lid	S	S	S	S	S	S	S	S
	Auto Make Up	S	S	S	S	S	S	S	S
DIMENSIONS ⁷ (inches)	Height	40	40	40	57	57	57	57	57
	Width	32	32	32	34	34	34	34	34
	Depth	40	40	40	80	80	80	80	80
WEIGHT (pounds)	Shipping ⁶	655	740	760	1,500	1,900	2,100	2,200	2,500

REMOTE AIR-COOLED CONDENSER

CONNECTIONS	Liquid & Hot Gas	1¼ & 1½	1½ & 1¾	1¾ & 1⅝	1⅝ & 2	2 & 2¼	2¼ & 2½	2½ & 2⅝	2⅝ & 2¾
AIR FLOW	Fan Quantity	1	1	1	2	2	3	3	3
FULL LOAD ⁵	230 Volts	3.6	3.6	3.6	12.4	12.4	18.6	18.6	24.8
AMPERAGE	460 Volt	1.3	1.3	1.3	6.2	6.2	9.3	9.3	12.4
	@ 3ø / 60 Hz 575 Volt	1.0	1.0	1.0	5.0	5.0	7.5	7.5	9.9
DIMENSIONS ⁷ (inches)	Height	54	54	54	54	54	54	54	54
	Width	45	45	45	45	45	45	45	45
	Depth	58	58	58	112.5	112.5	167.5	167.5	167.5
WEIGHT (pounds)	Shipping ⁶	400	400	400	680	740	1,050	1,150	1,200
FACTORY ID		012	014	017	025	032	041	050	056

Notes

- 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.
- Tons or Kilowatts capacity at 12,000 Btu/hr/ton @ 50°F LWT, 95°F ambient and 115°F condensing. Consult factory for capacity at other conditions. The minimum recommended operating temperature when no glycol is used is 48°F.
- C = centrifugal.
- SS = stainless steel. C = cast iron.
- Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring.
- Approximate unit weight crated for shipment.
- Selection of certain options may change dimensions, weight and amps required. Confirm with factory before starting construction.

Model Designator for CF-ARC Package Chillers

CF-10A-RC

CF Series
Tons of Capacity

Condenser
Locations
R: Remote

Condenser Type
A: Air-Cooled

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