



Winter Cooling for Environmental and Energy Savings

Mokon's C³ cold climate cooler design offers a cost-effective solution to process fluid cooling in cold weather areas. The dry coolers use ambient air temperature to cool fluid in a closed loop system that requires no make-up water or expensive chemical treatments.

The C³ fluid coolers save water and energy and are environmentally friendly. The dry coolers extend the life of your chiller. During cold weather, you can turn off your chiller and use the cold climate cooler.

The overall design provides for long life and durability. The only moving parts are the fans. Quality and craftsmanship can be found throughout, such as noncorrosive construction and the incorporation of side access panels for easy coil inspection and cleaning. The C³ system is available in multiple sizes and configurations with a variety of pumping capacities. All of these features and more in an energy-efficient design.

The C³ dry cooler is also an ideal addition to a Mokon central chiller and pump tank system. The cold climate cooler can be integrated to provide maximum cooling at minimal cost.



Designed to Perform. Built to Last.

C³

Cold Climate Cooler

- **Closed circuit coolers require no make-up water or chemical treatment**
- **Noncorrosive construction**
- **Cooling capacities up to 120 tons**
- **Weather-resistant construction, including heavy gauge galvanized steel, weather-protected fans and aluminum fan blades**
- **Environmentally friendly design reduces water usage and energy costs**
- **Ideal when used in combination with a central chiller/pump tank system**

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Cold Climate Cooler (Ethylene Glycol)

Model	Capacity ¹ (Tons)	Flow ² (GPM)	Fans		Dimensions L x W x H	Shipping Weight (Approx. lbs.)
			Hp	QTY		
FND124C-9-E23	20	57	2	2	130" x 48" x 52"	1,125
FND134C-9-E35	30	86	2	3	187" x 48" x 52"	1,582
FND134C-9-G29	40	115	2	3	187" x 48" x 52"	1,640
FND154C-9-E70	50	143	2	5	301" x 48" x 56"	2,369
FND153F-9-G43	60	172	2	5	301" x 48" x 56"	2,367
FND234C-9-G58	80	229	2	6	187" x 93" x 52"	2,799
FND254C-9-E140	100	286	2	10	301" x 93" x 56"	4,356
FND253F-9-G86	120	344	2	10	301" x 93" x 56"	4,358

Cold Climate Cooler (Propylene Glycol)

Model	Capacity ¹ (Tons)	Flow ³ (GPM)	Fans		Dimensions L x W x H	Shipping Weight (Approx. lbs.)
			Hp	QTY		
FND124C-9-G19	20	53	2	2	130" x 48" x 52"	1,164
FND134D-9-G29	30	79	2	3	187" x 48" x 52"	1,670
FND224C-9-G38	40	105	2	4	130" x 93" x 52"	2,025
FND224F-9-G38	50	131	2	4	130" x 93" x 52"	2,146
FND234D-9-G58	60	157	2	6	187" x 93" x 52"	2,860
FND253F-9-F86	80	210	2	10	301" x 93" x 56"	4,257
FND263D-9-G86	100	262	2	12	358" x 93" x 56"	5,220
FND263E-9-G86	120	315	2	12	358" x 93" x 56"	5,310

¹ - Based on 1 Ton of refrigeration equal to 12,000 BTUH.

² - Flows are based on cooling 2.8 GPM per Ton of 50% water/50% ethylene glycol.

³ - Flows are based on cooling 2.8 GPM per Ton of 60% water/40% propylene glycol.

Standard electrical rating is 480 Volts, 3 Phase, 60 Hertz. Other voltages available @ 60Hz include 208, 240, 600 Volts and @ 50Hz 208, 240, 380, 400, 415 Volts. Note: reduced cooling capacity by 8% when operating @50 Hz. For higher tonnages and flow capacities, please contact Mokon for more information.

Chiller capacities are based on cooling from 60°F to 50°F with 35°F ambient air temperature.

Specifications are for operation at elevations under 1000 feet above sea level.

Includes motor fusing and non-fused disconnect.

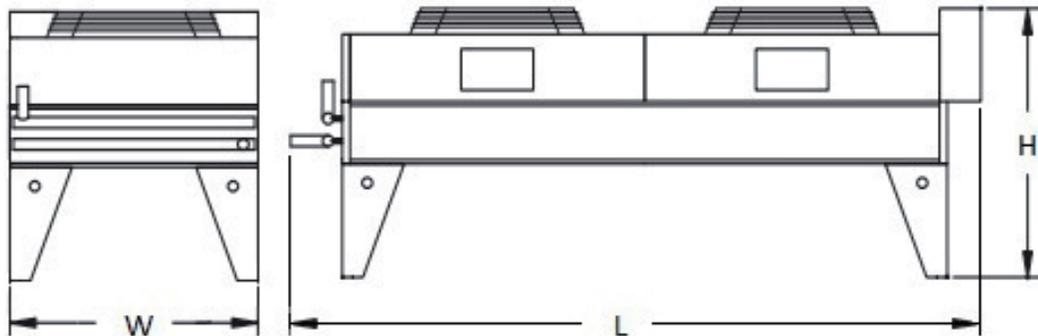
Standard cold climate cooler leg height is 22"; optional heights of 36", 48" and 60" are available upon request.

LOOK AT THE SAVINGS

460V Chiller Tonnage	20	30	40	50	60	80	100	120
Electrical Savings per Year*	\$2,917	\$4,656	\$6,269	\$7,738	\$9,863	\$12,626	\$14,596	\$19,813

* Information above is calculated based on Buffalo, New York Weather Data, 50 weeks, 7 days, 24 hours a day. Energy cost used is \$0.05 KWH. The cost savings above do not include the chiller maintenance you will also receive.

Savings based on 50% water/50% ethylene glycol.



Technical data shown is subject to change without notice. The company will endeavor to supply the equipment as illustrated but reserves the right to make dimensional and other design changes as required.



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