



Designed to Perform. Built to last.

ICEMAN OA SERIES

Outdoor Air-Cooled Chiller System
20°F to 65°F (-7°C to 18°C)



Mokon's Iceman OA Series outdoor air-cooled chiller maximizes performance with process cooling from 20°F to 65°F (-7°C to 18°C). The Iceman OA Series is designed for exterior installation, freeing up valuable indoor floor space. The system is completely factory wired and has easy lifting provisions for quick and trouble-free installation.

Air-Cooled		Process Pump			Process Connections (FNPT)	Tank Size (Gallons)	Approximate Dimensions (L x W x H)	Shipping Weight (Approx. lbs.)
Model	Cooling Capacity ¹ (BTU/Hr) @ 50°F (10°C)	Pump (Hp)	Min/Max Flow Rate (GPM)	Nominal Pressure (PSI)				
OA-1 ²	13,580	1 1/2	2.4/15	Up to 35	1"	15	63" x 43" x 69"	630
OA-1.5 ²	18,333	1 1/2	3.6/20	Up to 35	1"	15	63" x 43" x 69"	630
OA-2	22,310	1 1/2	4.8/20	Up to 45	1"	20	63" x 43" x 69"	750
OA-3	31,331	1 1/2	7.2/25	Up to 45	1"	20	63" x 43" x 69"	760
OA-5	53,253	1 1/2	12/30	Up to 45	1 1/2"	35	94" x 59" x 72"	865
OA-7	81,868	3	18/30	Up to 45	1 1/2"	35	94" x 59" x 72"	1,140
OA-10	105,494	3	24/35	Up to 45	1 1/2"	35	94" x 59" x 72"	1,160
OA-15	160,168	3	36/50	Up to 45	1 1/2"	68	94" x 59" x 72"	1,950
OA-20	215,340	5	48/70	Up to 45	1 1/2"	68	143" x 54" x 75"	2,150
OA-25	262,870	5	60/70	Up to 55	2"	100	143" x 54" x 75"	4,000
OA-30	338,409	7 1/2	72/90	Up to 60	2"	100	143" x 54" x 75"	4,160
OA-40	426,679	7 1/2	96/100	Up to 50	2"	100	205" x 54" x 75"	5,295
OA-50	525,740	10	120/140	Up to 65	3"	150	205" x 54" x 75"	5,695
OA-60	671,240	15	144/170	Up to 70	3"	150	205" x 54" x 85"	6,500

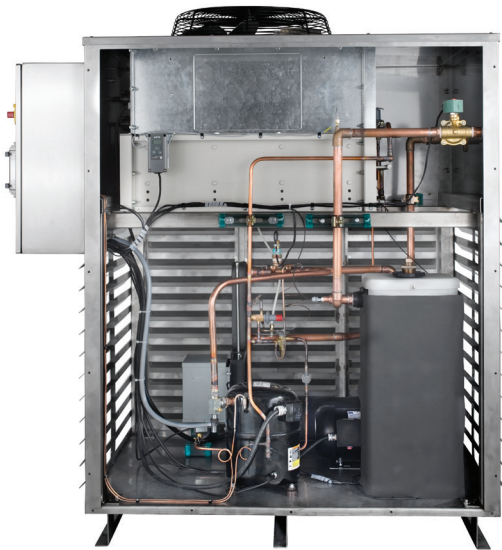
1. All chillers are based on chilled water at 2.4 GPM/Ton and 90°F (32°C) ambient air with 30% ethylene/glycol. 2. Scroll compressors except 1 and 1.5 Ton are reciprocating. Note: Standard outdoor ambient temperature range is -20°F to 95°F (-29°C to 35°C). Standard voltage 230 or 460 Volt, 3 Phase, 60 Hertz electrical service.

Product Testing and Warranty

All Mokon chillers are qualified for service by rigid, simulated field tests, and are 100% factory calibrated and run tested. Mokon offers a 1 year warranty on system.

Controls

A microprocessor-based controller designed specifically for chiller applications is supplied. The controller provides capacity control of compressors with anti-recycle, automatic compressor lead/lag and running hour meter that logs compressor run time.

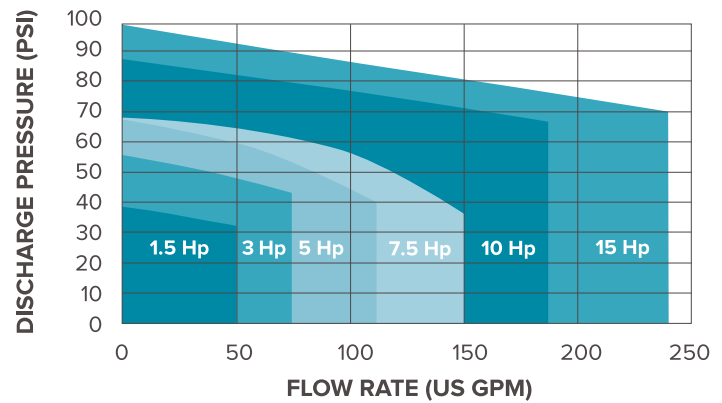


Standard Features

- Air-cooled condensing
- Stationary design
- Hermetically sealed reciprocating and scroll compressors, depending on tonnage
- Green friendly refrigerant
- Stainless steel centrifugal process pump
- Highly efficient brazed plate evaporator
- Hot gas bypass circuit
- Low/high refrigerant gauges
- Heavy-duty insulated plastic reservoir with fill port
- Fluid level visible from outside of cabinet
- Insulated nonferrous plumbing and components
- Microprocessor-based controller
- Running hour meter
- High and low refrigerant pressure switches
- Reservoir freeze protection heater and thermostat
- Flow switch
- Filter dryer
- CPR valve (up to 30 Tons)
- Low ambient kit
- Supply pump pressure gauge
- NEMA/Type 4 Outdoor (local) enclosure with main power door disconnect and E-stop
- NEMA/Type 12 Indoor (remote) enclosure including microprocessor-based controller with safety indication and start/stop switch
- Powder coated steel cabinet with mounting feet
- cULus 508A labeled electrical

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.

Pump Curve



Common Options and Accessories

- Air filters
- Alarms - audible and visual
- Automatic fill (glycol only)
- Blown fuse indication
- Control options – RS-485 communication ports
- Flow meters
- Low water level indication
- NEMA/Type 4X enclosure and SS cabinetry
- Other voltages, phases, frequencies, ambient temperatures
- Overhead piping kit
- Phase indicator
- Process fluid purge (manual & automatic)
- Pump modifications to increase flow capacity or elimination of supply pump
- Special paint
- Strainers (process return)
- Supply and return thermometers
- Tank upgrades and modifications
- Timers
- UL, CSA, CE and EAC certifications
- Valved process bypass
- Water-cooled condensing (glycol only)
- Water filters



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