



Designed to Perform. Built to Last.

OUTDOOR CENTRAL CHILLERS

30 to 120 Tons



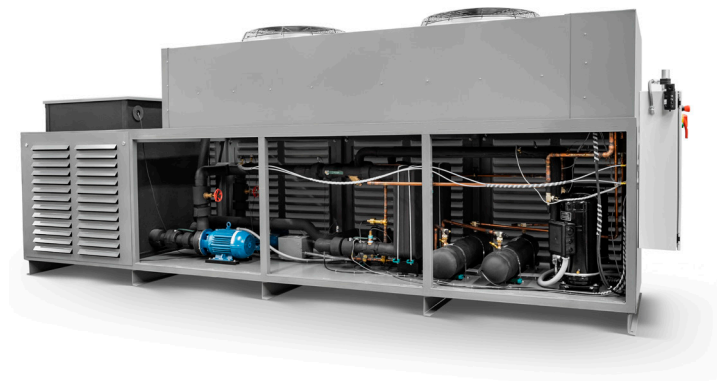
Mokon's Outdoor Central Chiller systems are designed for exterior installation, freeing up valuable indoor equipment space. The central chiller systems are factory tested and wired and arrive on site in complete working order. Mokon outdoor central chiller systems are constructed with easy lifting provisions for quick and trouble-free installation and are designed for safe and easy service.

Air-Cooled ¹		Water-Cooled ²		Process Pump			Connections		Tank Size (Gallons)	Approximate Dimensions ⁴ (L x W x H)
Model	Cooling ⁵ Capacity (BTU/Hr) @ 50°F (10°C)	Model	Cooling ⁵ Capacity (BTU/Hr) @ 50°F (10°C)	Pump	Min/Max Flow Rate	Nominal Pressure	Process	Condenser Water-Cooled		
OAC-30	356,000	OWC-30	366,000	Select a standard pump to meet Process conditions or specify performance needs.			2" FNPT	1-1/2" FNPT	100	143" x 54" x 80"
OAC-40	447,000	OWC-40	460,000	Hp	GPM (up to)	PSI	2" FNPT	1-1/2" FNPT	100	205" x 54" x 80"
OAC-50	554,000	OWC-50	570,000	3	60	34	3" FNPT	3" FNPT	150	205" x 54" x 80"
OAC-60 ³	724,000	OWC-60	745,000	5	80	38	3" FNPT	3" FNPT	150	205" x 54" x 80"
OAC-80 ³	890,000	OWC-80	916,000	7.5 100 40			3" Flange	3" Flange	500	205" x 54" x 80"
OAC-100 ³	1,114,000	OWC-100	1,147,000				4" Flange	4" Flange	500	205" x 54" x 80"
OAC-120 ³	1,448,000	OWC-120	1,491,000	7.5	120	35	4" Flange	4" Flange	750	205" x 54" x 80"

1. Air-Cooled based on 50°F chilled water at 2.4 GPM/Ton and 90°F ambient air
2. Water-Cooled based on 50°F chilled water at 3 GPM/Ton and 85°F condensing water.
3. Provided with remote air-cooled condenser.
4. Water-Cooled chiller dimensions are the same or smaller than Air-Cooled models.
5. Derate chilling capacity based on pump Hp selected.

Energy Reduction

Advanced programmable microprocessor-based controller designed specifically for chiller applications. The controller provides lead lag (controls run time to extend compressor life), staging for capacity control, built-in delay, safety functions, and much more. The controllers are compact yet extremely accurate and powerful.



(Remote control panel shown)

Standard Features

- Air-cooled with low ambient kit or water-cooled condensing
- Designed for outdoor ambient temperature of -20°F to 95°F (-29°C to 35°C)
- Fluid temperature 20°F to 65°F (-7°C to 18°C)
- Hermetically sealed scroll compressors
- Green friendly refrigerant
- Highly efficient brazed plate evaporator
- Microprocessor-based controller in easily accessible panel
- Smart lead/lag operation
- Highly accurate hot gas bypass circuit
- Filter dryer
- Chiller & process pump pressure gauges
- TEFC pump motor
- UV protected Armaflex insulation of tank and evaporator
- 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
- Flow switch factory installed
- Powder coated cabinet with mounting feet
- cULus 508A labeled electrical panel

Common Options and Accessories

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

Product Testing and Warranty

All Mokon outdoor central 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.



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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.



OCC 7/22 MOK8293