



Designed to Perform. Built to last.

ICEMAN LT SERIES

Low Temperature Portable Chiller System
-23°F to +20°F (-31°C to -7°C)



Mokon's Iceman LT Series portable chiller maximizes performance with process cooling from -23°F to +20°F (-31°C to -7°C). The Iceman LT Series provides efficient low temperature cooling for jacketed vessels, reactors, laboratory, sanitary and other industrial applications.

Single Circuit

Air-Cooled		Water-Cooled		Process Pump			Connections		Tank Size (Gallons)	Approximate Dimensions ³ (L x W x H)
Model	Cooling Capacity ¹ (BTU/Hr) @ 0°F (-18°C)	Model	Cooling Capacity ¹ (BTU/Hr) @ 0°F (-18°C)	Pump (Hp)	Min / Max Flow Rate (GPM)	Nominal Pressure (PSI)	Process (FNPT)	Condenser Water-Cooled ² (FNPT)		
ALT-2	28,025	WLT-2	29,925	2	4/30	Up to 35	1 1/2"	1"	60	80" x 40" x 65"
ALT-3	36,765	WLT-3	39,140	2	7/40	Up to 40	1 1/2"	1"	60	80" x 40" x 65"
ALT-5	57,285	WLT-5	60,610	3	12/50	Up to 50	1 1/2"	1 1/2"	60	80" x 40" x 65"
ALT-7.5	80,750	WLT-7.5	86,450	5	18/60	Up to 60	2"	1 1/2"	60	80" x 52" x 65"
ALT-10	106,400	WLT-10	113,050	5	24/60	Up to 55	2"	1 1/2"	60	80" x 52" x 65"

Dual Circuit

Air-Cooled		Water-Cooled		Process Pump			Connections		Tank Size (Gallons)	Approximate Dimensions ³ (L x W x H)
Model	Cooling Capacity ¹ (BTU/Hr) @ 0°F (-18°C)	Model	Cooling Capacity ¹ (BTU/Hr) @ 0°F (-18°C)	Pump (Hp)	Min / Max Flow Rate (GPM)	Nominal Pressure (PSI)	Process (FNPT)	Condenser Water-Cooled ² (FNPT)		
ADLT-15	161,500	WDLT-15	172,900	5	36/85	Up to 60	2"	1 1/2"	100	200" x 52" x 85"
ADLT-20	212,800	WDLT-20	226,100	5	48/85	Up to 62	2"	1 1/2"	100	200" x 52" x 85"

1. All chillers are based on chilled water at 2.4 GPM/Ton and 90°F (32°C) ambient air.

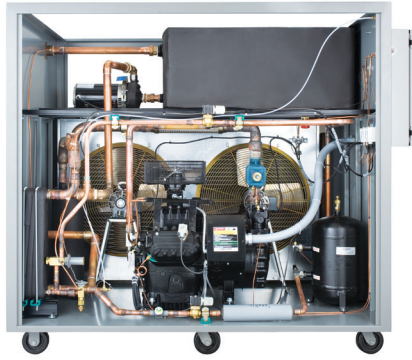
2. Water-Cooled chillers based on 85°F (29°C) condensing water at 3 GPM/Ton.

3. Water-Cooled chiller dimensions are the same or smaller than Air-Cooled models.

Note: Capacities based on the use of 50% water/ethylene glycol.

Controls

A non-proprietary microprocessor-based controller provides dual LCD indication of your process fluid setpoint and actual temperature to ensure process control accuracy. A variety of options and accessories to meet specific customer needs are available.



Standard Features

- Air-cooled or water-cooled condensing
- Compact, portable design
- Semi-hermetic discus compressor
- Green friendly refrigerant
- Stainless steel centrifugal process pump
- Highly efficient brazed plate evaporator
- Cylinder unloading (Single Circuit only)
- Highly accurate hot gas bypass circuit (Single Circuit only)
- Low/high refrigerant gauges
- CPR valve
- Heavy-duty insulated plastic tank
- Fluid level visible from outside of cabinet
- Insulated nonferrous plumbing and components
- Microprocessor-based controller
- High and low refrigerant pressure switches
- Freeze stat protection
- Flow switch
- Filter dryer
- Supply pump pressure gauge
- Main power door disconnect
- NEMA/Type 1 electrical enclosure
- Heavy-duty casters for portability
- Powder-coated cabinet
- cULus 508A labeled electrical subpanel

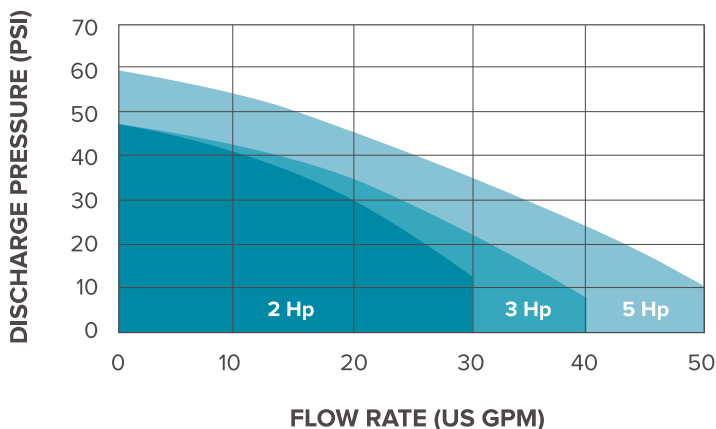
Common Options and Accessories

- Air duct flange (top)
- Air filters
- Alarms – audible and visual
- Blown fuse indication
- Control options – remote setpoint and re-transmission, communication ports
- Emergency stop
- Flow meters
- Low ambient kit
- Low water level indication
- NEMA/Type 4, 4X, 7 and 12
- Other voltages, phases, frequencies
- Overhead piping kit
- Phase indicator
- Power cord
- Process fluid purge (manual and automatic)
- Pump modifications to increase flow capacity or elimination of supply pump
- Remote condenser
- Special paint
- Strainers (process return)
- Supply and return thermometers
- Tank upgrades and modifications
- TEFC pump motor
- Timers
- UL, CSA, CE and EAC certifications
- Valved process bypass
- Water filters

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 and 5 years on standard microprocessor controller.

Pump Curve



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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