



Design is the DifferenceSM

**ICEMAN
MICROSERIES**

Air-Cooled Portable Chiller

Water-Cooled Portable Chiller

Compact, Efficient Cooling

The Iceman Micro Series is a compact, table-top size portable chiller, designed for small capacity process cooling applications. It provides accurate, efficient and dependable cooling. The chiller is ideal for laboratory applications, laser cooling, micro molding and other industrial applications. Constructed in a sleek space-conscious cabinet, this system can also be customized to fit into space-limiting configurations.

The Iceman Micro Series chiller is available in air-cooled and water-cooled condensing styles, both with cooling capacities of 1/4 or 1/3 ton. The air-cooled design utilizes an air-cooled fin and tube condenser and is ideal for applications where cooling water supplies are inadequate or of poor quality. The water-cooled uses a tube-in-tube water-cooled condenser, used primarily for installations where chilled water is required but existing cooling water supplies are not cold enough or ambient air temperatures are of a concern.

The overall design provides for long life, durability and accurate continuous process control. Traditional Mokon quality and craftsmanship can be found throughout, such as noncorrosive construction and the incorporation of highly accurate microprocessor-based controls with adaptive tuning capabilities. All these features and more in a compact design with Mokon reliability built in!

- ▶ **1/4 or 1/3 ton cooling capacities**
- ▶ **Air-cooled and water-cooled condensing**
- ▶ **All noncorrosive construction**
- ▶ **Compact and portable**
- ▶ **Durable, powder coated steel cabinet**
- ▶ **Easy-to-remove, lift-off cover allows easy access to internal components**
- ▶ **Microprocessor-based controller**
- ▶ **UL labeled electrical sub-panel**
- ▶ **Meets NFPA 79 electrical safety standards**

Compact, Efficient Cooling

Standard Features

The Iceman Micro Series portable chillers offer many features as standard to provide accurate temperature control with durable and safe operation:

- Insulated reservoir tank
- Efficient brazed plate evaporator
- Heavy duty insulated plastic tank
- Non-ferrous centrifugal supply pump
- Insulated non-ferrous plumbing and components
- Microprocessor-based controller mounted in operator-friendly orientation
- Pump down cycle for capacity control
- Hermetic compressors
- High and low refrigerant pressure cut-off switches
- Filter dryer
- Refrigerant sight glass with moisture indicator
- NEMA 1 electrical enclosure
- Freeze and high return temperature protection
- Supply pump pressure gauge
- 115 volt control circuitry
- Low water pressure switch
- Factory installed 12 foot power cord

Specifications for Iceman Micro Series Air-Cooled

MODEL	Cooling Capacity (Tons) ¹	Compressor Horsepower (HP)	Pump Horsepower (HP)	Nominal Flow Rate (GPM)	Nominal Pressure (PSI)	Process Connection (FNPT)	Tank Size (Gal.)	Electrical Service	Dimensions L x W x H	Shipping Weight (approx. lbs.)
AF-1125	1/4	1/4	1/8	0.6 (2.3 Max)	10	1/2"	4	115V single phase 60 Hz	26" x 17" x 28"	150
AF-1133	1/3	1/3	1/8	0.8 (2.3 Max)	10	1/2"	4		26" x 17" x 28"	150

Specifications for Iceman Micro Series Water-Cooled

MODEL	Cooling Capacity (Tons) ²	Compressor Horsepower (HP)	Pump Horsepower (HP)	Nominal Flow Rate (GPM)	Nominal Pressure (PSI)	Connections (FNPT)		Tank Size (Gal.)	Electrical Service	Dimensions L x W x H	Shipping Weight (approx. lbs.)
						Process	Condenser				
WF-1125	1/4	1/4	1/8	0.6 (2.3 Max)	10	1/2"	3/8"	4	115V single phase 60 Hz	26" x 17" x 28"	150
WF-1133	1/3	1/3	1/8	0.8 (2.3 Max)	10	1/2"	3/8"	4		26" x 17" x 28"	150

¹ Based on 50°F chilled water and 90°F ambient air.

² Based on 50°F chilled water and 60°F cooling water.

Fluid temperature range 20° F to 60° F

(Tonnage rated at 50° F – derated 2% for every 1° F below 50° F)

Options

Mokon offers standard options and accessories to meet specific customer needs. Typical requests include: visual alarm, audible alarm, automatic fill, pilot light indication, pressure and temperature gauge package.

Product Testing & Warranty

All Mokon temperature control systems are qualified for service by rigid, simulated field tests, and they are factory calibrated before shipping. With durable materials and reliable components, Mokon offers a standard one year warranty.

Mokon's standard line of Iceman portable chillers is available in 1/2 to 35 ton cooling capacities with air or water-cooled condensing. The Iceman SC Series portable chillers feature a scroll compressor and have cooling capacities of 2 tons and up. The SC Series is also available in both air and water-cooled models. All Iceman chillers are comprised of all noncorrosive components.

For more information on Mokon's complete line of Iceman cooling systems or other products, call our sales department today. In addition to our standard systems, our engineers custom design equipment to solve problems or provide application solutions.

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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