



# Scotsman MC0522 500lb Cube Ice Machine Owner's Manual

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# Scotsman®

**Scotsman MC0522 500lb Cube Ice Machine**



### **Product Information:**

#### **MC0522 – 500lb Cube Ice Machine**

The MC0522 – 500lb Cube Ice Machine is designed for enhanced reliability and ease of use. The machine features intelligent sensor technology that maximizes efficiency and lowers operating costs. The AutoAlert™ panel displays relevant machine status that is visible across the room and now includes an external bin full indicator light and easier to read 16-segment display. The machine has a sanitary design with removable, external air filters that speed up the cleaning process and reduce unit footprint. The WaterSense Adaptive Purge optimizes water consumption, keeping the machine cleaner and operating more efficiently. The modular bin options include the B322S bin with a metallic finish and a capacity of 370lb/kg.

The MC0522 – 500lb Cube Ice Machine produces common ice form, ideal for mixed drinks, in small cube (7/8 x 7/8 x 3/8 inches) or medium cube (7/8 x 7/8 x 7/8 inches) sizes. The machine is available in air-cooled or water-cooled options with a 24-hour volume production of up to 480lb/kg for water cooled and 475/216 lb/kg for air cooled. The machine is certified to have been designed, engineered, and assembled in the USA and is certified to meet the 9001:2015 standards.

### **Product Usage Instructions**

1. Place the MC0522 – 500lb Cube Ice Machine on a level surface in a well-ventilated area where the ambient temperature is between 50°F (10°C) and 100°F (38°C).
2. Connect the water inlet and drain to the appropriate fittings (3/8 FPT CONDENSER WATER INLET, 1/2 FPT CONDENSER DRAIN for water-cooled and 3/8 FPT WATER INLET, 3/4 FPT DRAIN for air-cooled).
3. Connect the electrical supply to the machine using the .88 DIA ELECTRICAL ACCESS.
4. Choose the appropriate cube size (small or medium) and cooling option (air or water) based on your needs.
5. Turn on the machine and allow it to run for a few minutes before using it to produce ice.
6. Monitor the AutoAlert™ panel to ensure the machine is operating correctly and to check the bin full indicator light.
7. Clean the machine regularly by removing the external air filters and washing them with warm water and mild detergent.
8. Use the Ultrasonic Bin Level Sensor (optional) to precisely control ice levels or use the Basic Ice Level Control for dispenser applications.

For additional operational data and fast diagnosis, use the Smart-Board™ Advanced Control or Smart-Board™ Advanced Control with Network. Contact Scotsman for bin top requirements and any warranty

issues.

The ICELINQ® app simplifies interaction with machine via Bluetooth® connection



Intelligent sensor technology maximizes efficiency and lowers operating costs



## Cube Ice



Common ice form, ideal for mixed drinks.



Small Cube  
7/8" x 7/8" x 3/8"  
(2.22 x 2.22 x .95 cm)



Medium Cube  
7/8" x 7/8" x 7/8"  
(2.22 x 2.22 x 2.22 cm)

## ENHANCED RELIABILITY

- **Integrated ICELINQ® App**

Provides real-time diagnostics, access to settings and guided cleanings. The app also contains specific

information for convenient maintenance.

- **Upgraded Sensors**

Ice thickness and water sensor design enhances cleanability and amplifies durability.

- **Preservation Mode**

Maximizes uptime and notifies users of potential issues.

## EASE OF USE

### AutoAlert™ Panel

The AutoAlert™ panel displays relevant machine status that is visible across the room. Now featuring an external bin full indicator light and easier to read 16-segment display.

## SANITARY DESIGN


- **Removable, External Air Filters**

Speeds up cleaning process and reduces unit footprint.

- **WaterSense Adaptive Purge**

Optimizes water consumption, keeping the machine cleaner and operating more efficiently.



## 24 Hour Volume Production



Air Cooled		Water Cooled	
70°F/21°C 50°F/10°C	Air Water	90°F/32°C 70°F/21°C	70°F/21°C 50°F/10°C
475/216 lb/kg		340/154 lb/kg	480/218 lb/kg

90°F/32°C 70°F/21°C	Air Water	70°F/21°C 50°F/10°C	409/186 lb/kg
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## Modular Bin Options



Model Number*	Dimensions W" x D" x H"	Bin Application Capacity lb/kg	Finish	Ship Weight lb/kg
B322S	22 x 34 x 44**	370/168	Metallic	140/64

\* Contact Scotsman for bin top requirements.

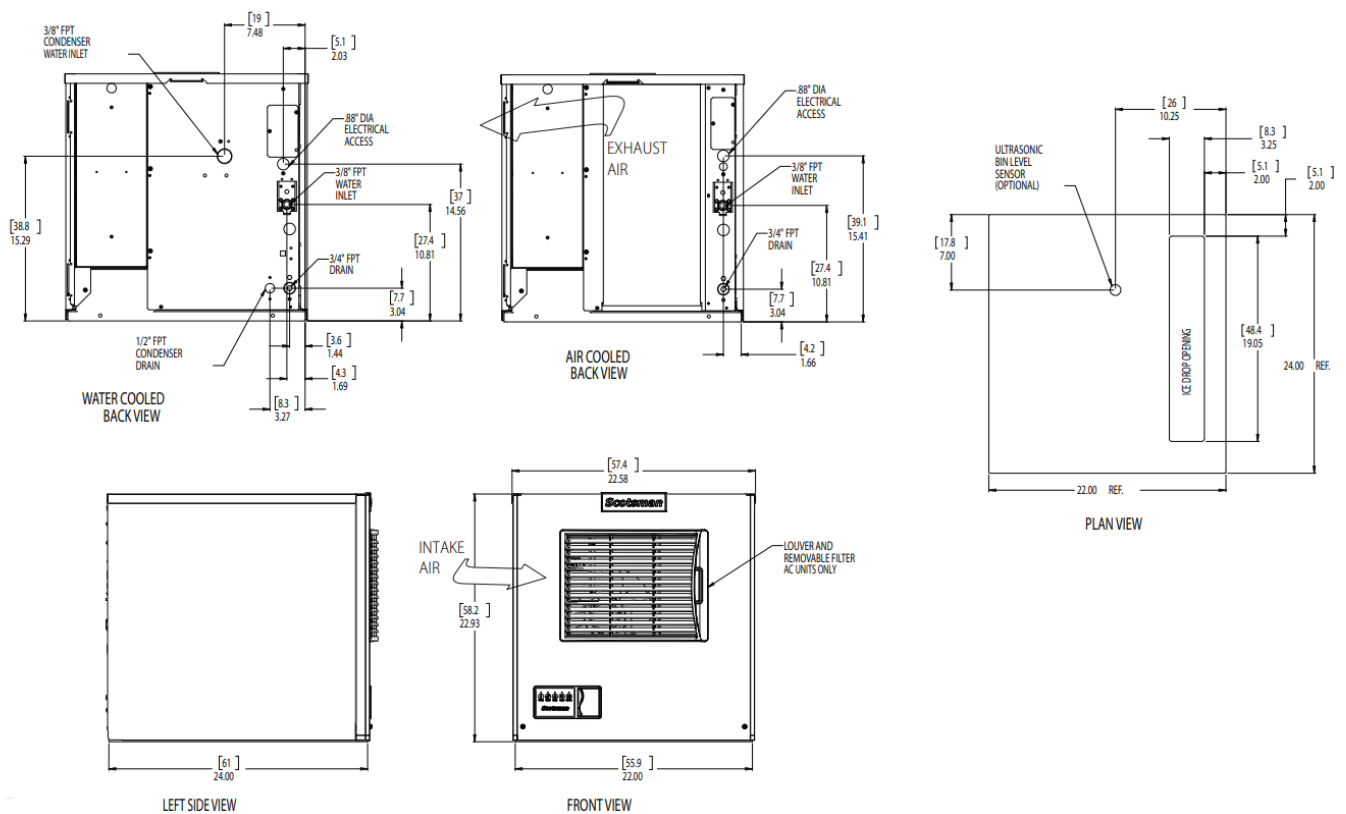
## Certification



## Warranty

- 3 Years parts and labor on all components.
- 5 Years parts and labor on the evaporator.
- 5 Years parts on the compressor and condenser.
- Warranty valid in North, South & Central America for commercial installations.
- Contact factory for warranty in other regions.
- Residential Applications: 1 year parts and labor

## DIMENSION



## Specifications



							Water Usage		
Model Number	Condenser Unit	Basic Electrical Volts/Hz/Phase	Max. Fuse Size or HACR Circuit Breaker (amps)	Circuit Wires	Min. Circuit Ampacity	Energy Consumption kWh/100 lb (45.4 kg) 90°F(32°C)/70°F(21°C)	Gallons/100 lb (liters/45.4 kg) Potable 90°F(32°C)/70°F(21°C)	Condenser 90°F(32°C)/70°F(21°C)	
med.	MC0522MA-1	Air	115/60/1	15	2	13.5	5.94	18.0/68.2	-
	MC0522MW-1	Water	115/60/1	15	2	11.9	4.48	21/79.5	152.0/575.8
	MC0522MA-32	Air	208-230/60/1	15	2	6.5	5.94	18.0/68.2	-
sm.	MC0522SA-1	Air	115/60/1	15	2	13.5	5.94	18.0/68.2	-
	MC0522SW-1	Water	115/60/1	15	2	11.9	4.48	21.0/79.5	152.0/575.8
	MC0522SA-32	Air	208-230/60/1	15	2	6.5	5.94	18/68.2	-
	MC0522SW-32	Water	208-230/60/1	15	2	5.6	4.48	21.0/79.5	152/575.8

## All Models



### Dimensions (W x D x H):

Unit: 22" x 24" x 23"  
(55.9 x 61.0 x 58.4 cm)

Shipping Carton: 26" x 28" x 29"  
(66 x 71.1 x 73.7 cm)

Shipping Weight: 160 lb / 73 kg      BTUs per hour: 7,900

Refrigerant: R-404A

## Accessories



Model Number	Description
KVS	Vari-Smart™ Ice Level Control - Precisely control ice levels using ultrasonic technology.
KBILC	Basic Ice Level Control - Thermistor technology, ideal for dispenser applications.
KSBU	Smart-Board™ Advanced Control - Use additional operational data for fast diagnosis.
KSBU-N	Smart-Board™ Advanced Control with Network - Network capable.
KPAS	Prodigy Advanced Sustainability Kit - Includes KVS and KSBU - N
XR-30	XSafe® Sanitation System for Modular Cube - Continuous operation, field-installed.

Scotsman recommends all ice machines have water filtration. See Scotsman water filter specification sheet for details.

## Operating Requirements



	Minimum	Maximum
Air Temperatures	50°F (10°C)	100°F (38°C)
Water Temperatures	40°F (4.4°C)	100°F (38°C)
Remote Cond. Temps	-20°F (-29°C)	120°F (49°C)
Potable Water Pressure	20 PSIG (1.4 bar)	80 PSIG (5.5 bar)
Cond. Water Pressure	20 PSIG (1.4 bar)	230 PSIG (16.1 bar)
Electrical Voltage	-5%	+10%

Specifications and design are subject to change without notice.

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## Documents / Resources



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MC0522 500lb Cube Ice Machine, MC0522, 500lb Cube Ice Machine, Cube Ice Machine, Ice Machine, Machine

## References

-  [ICE](#)
-  | [Scotsman Ice Systems](#)