

# S-Series 1800 Ice Cube Machine



**Manitowoc**



S-Series 1800  
Ice Machine on B-970 Bin

- SANITATION**  
We've made it simple to clean
- SAVINGS**  
The perfect balance of power and efficiency
- SOUND**  
Designed to run whisper-quiet
- SERVICEABILITY**  
Easy access means less downtime

- Up to 1,880 lbs. (853 kgs.) daily ice production
- Removeable water distribution tube requires no tools to remove
- Food zone designed with soft rounded corners
- Patented cleaning and sanitizing technology
- Select components compounded with AlphaSan® antimicrobial
- Patented ice harvest technology reduces energy requirements
- Hinged front door for easy access
- R-404A CFC-free refrigerant
- Warranty  
5-year parts and 5-year labor coverage on ice machine evaporator  
5-year parts and 3-year labor coverage on ice machine compressor  
3-year parts-and-labor coverage on all other ice machine, dispenser, and storage bin components



ISO 9001:2000  
Quality System  
Certified

**America's #1 Selling Ice Machine**

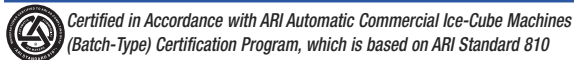
Ice Cube & Flake Machines • Ice Storage Bins • Ice Dispensers

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# Manitowoc S-Series 1800

Model	Ice Shape	Ice production 24 hours		Power kWh/100 lbs. @ 90°/70°F
		lbs.	kgs.	
SD-1802A	dice	1,540	699	5.0
SD-1803W	dice	1,710	776	4.0
SY-1804A	half-dice	1,540	699	5.0
SY-1805W	half-dice	1,710	776	4.0
REMOTE AIR-COOLED WITH JC-1395A CONDENSER				
SD-1892N	dice	1,610	730	4.7
SY-1894N	half-dice	1,610	730	4.7
Water usage/100 lbs./45.4 kgs. of ice				
Potable Water: 18 gallons, 68.1 liters • Water-cooled Condenser: 155 gallons, 586.7 liters				

Order ice storage bin separately. "A" or "W" following model number indicates "Air" or "Water" condensing unit. Ice storage bin and JC-1395A remote condenser must be ordered separately. Consult remote condenser specification sheet for details. To order 3 phase add "3" suffix to model # (SD-1802A3).



## Ice Machine Electric

208-230/60/1 standard. (208-230/60/3 and 230/50/1 also available.)

**Min. circuit ampacity:** Air-cooled: 23.5 1ph 13.4 3ph  
Water-cooled: 22.1 1ph 12.0 3ph  
Remote: 23.1 1ph 13.0 3ph

**Max. fuse size:** Air-cooled, Water-cooled, Remote: 40 amps 1ph  
20 amps 3ph

HACR-type circuit breakers can be used in place of fuses.

## Specifications

**BTU Per Hour:**  
24,000 (average) 36,000 (peak)

**Compressor:**  
Nominal rating: 3 HP

**Cupra-Nickel Condenser:**  
(Water-cooled models)  
Adds protection from corrosive water elements.

### Operating Limits:

• **Ambient Temperature Range:**  
Air and water-cooled:  
35° to 110°F (1.67° to 43.3°C)  
Remote: -20° to 120°F (-29° to 49°C)

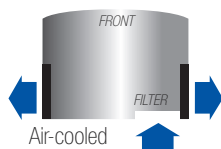
• **Water Temperature Range:**  
35° to 90°F (1.67° to 32.2°C)

• **Water Pressure Ice Maker Water In:**  
Min. 20 psi (137.9 kPa)  
Max. 80 psi (551.1 kPa)

• **Condenser Inlet Water In:**  
(Water-cooled only)  
Min. 20 psi (137.9 kPa)  
Max. 150 psi (1,034.2 kPa)



## Air Flow Top View



## AuCS®SI Accessory



Automatic Cleaning System purchased factory installed in the machine or as an option for field retrofit.

## 2 Cube Sizes Available



**Half Dice**  
3/8" x 1 1/8" x 7/8"  
(.95 x 2.86 x 2.22 cm)



**Dice**  
7/8" x 7/8" x 7/8"  
(2.22 x 2.22 x 2.22 cm)

*We are committed to protecting the environment and its resources. For up-to-date product data always visit an electronic version on our web site.*

24-HOUR PRODUCTION †												lbs. kgs.
AIR-COOLED UNIT				WATER-COOLED UNIT				REMOTE AIR-COOLED UNIT				
air temp	water temp			air temp	water temp			air temp	water temp			
°F	50°	70°	90°	°F	50°	70°	90°	°F	50°	70°	90°	
°C	10°	21°	32°	°C	10°	21°	32°	°C	10°	21°	32°	
70°	1,880	1,750	1,610	70°	1,870	1,750	1,530	-20° to 70°	1,800	1,630	1,540	
21°	855	795	732	21°	850	795	695	-29° to 21°	818	741	700	
80°	1,770	1,660	1,550	80°	1,870	1,730	1,510	90°	1,750	1,610	1,520	
27°	805	755	705	27°	850	786	686	32°	795	732	691	
90°	1,670	1,540	1,450	90°	1,860	1,710	1,490	100°	1,690	1,630	1,430	
32°	759	700	659	32°	845	777	677	38°	767	740	649	

†Production for Dice and Half Dice cubes. Data is published for 60 Hz machines. 50 Hz machines produce approximately 7% less ice.

## Space-Saving Designs

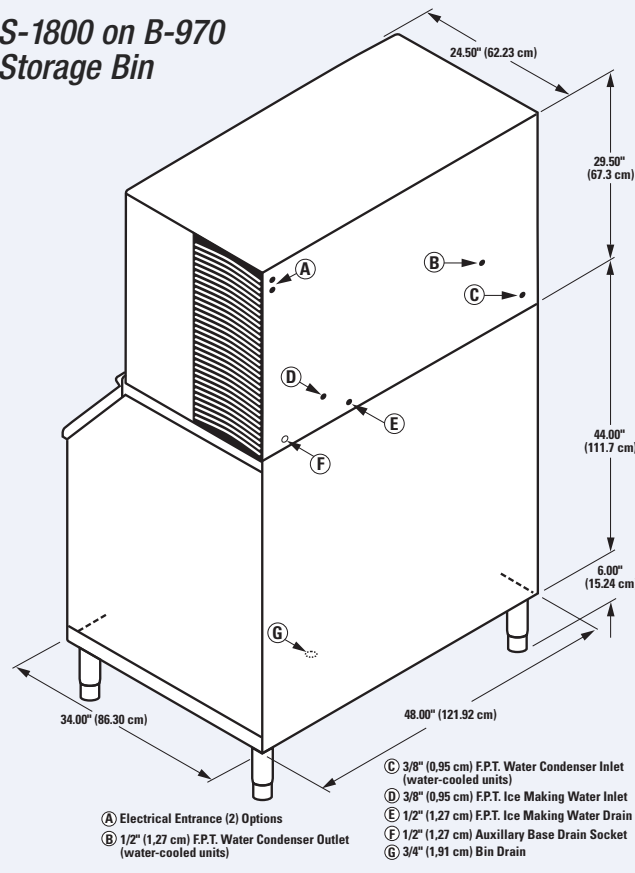
S-1800  
B-970



Height 79.50"  
201.90 cm  
Width 48.00"  
121.92 cm  
Depth 34.00"  
86.30 cm  
Bin Storage 710 lbs.  
322.2 kgs.

Height includes adjustable bin legs 6.00" to 7.00" (15.24 to 17.78 cm) set at 6.00" (15.24 cm). For comparison purposes multiply ARI capacity by 1.3 (30%) to arrive at approximate "Application Rating Capacity."

## S-1800 on B-970 Storage Bin



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**Installation Note** - Minimum installation clearance—  
Water and remote units—Top/sides: 8" (20.32 cm), Back: 5" (12.7 cm).  
Air-cooled units—Top/sides: 24" (60.96 cm), Back: 12" (30.48 cm).



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