

S-Series 1000 Ice Cube Machine



Manitowoc



S-Series 1000
Ice Machine on B-570 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 1,075 lbs. (488 kgs.) daily ice production
- Up to CEE Tier 1 energy and water efficiency rating.
- Only 30" (76.2 cm) wide
- Removable water distribution tube with no tools
- Food zone designed with soft, round, cove corners
- Patented cleaning and sanitizing technology
- Select components made with AlphaSan® antimicrobial
- Patented ice harvest technology reduces energy requirements
- Hinged front door for easy access
- 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

CEE  Energy Efficiency Ratings
Specified on Back

America's #1 Selling Ice Machine

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


Manitowoc

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Model	Ice Shape	Ice Production 24 hours				Power kWh/100 lbs. @ 90°/70°F			
		70° Air/50°F Water		70° Air/50°F Water		1 Ph	CEE* Rating	3 Ph	CEE* Rating
		lbs.	kgs.	lbs.	kgs.				
SD-1002A	dice	1,050	476	840	381	5.5	Tier 1	5.5	Tier 1
SD-1003W	dice	1,000	454	955	433	4.3	Tier 1	4.3	Tier 1
SY-1004A	half-dice	1,050	476	840	381	5.5	Tier 1	5.5	Tier 1
SY-1005W	half-dice	1,075	488	960	435	4.3	Tier 1	4.3	Tier 1
REMOTE AIR-COOLED WITH JC-0895A CONDENSER									
SY-1094N	half-dice	1,060	481	920	417	5.2	Tier 1	5.2	Tier 1
SD-1092N	dice	1,030	467	870	395	5.2	Tier 1	5.2	Tier 1
Water usage/100 lbs./45.4 kgs. of ice									
Potable Water: 18 gallons, 68 liters • Water-cooled Condenser: 160 gallons, 625 liters									

Order ice storage bin separately. *A* or *W* following model number indicates "Air" or "Water" condensing unit. Ice storage bin and JC-0895A remote condenser must be ordered separately. Consult remote condenser specification sheet for details. To order 3 phase add "3" suffix to model # (SD-1002A3).

Consortium for Energy Efficiency (CEE) is a North American nonprofit organization that promotes energy-efficient products, technologies and services; also the principal entity for the development of ice maker efficiency standards.

 **Certified in Accordance with ARI Automatic Commercial Ice-Cube Machines (Batch-Type) Certification Program, which is based on ARI Standard 810**

Ice Machine Electric

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

Min. circuit ampacity: Air-cooled: 17.3 1ph 10.6 3ph
Water-cooled: 16.3 1ph 9.6 3ph
Remote: 15.7 1ph 10.6 3ph

Max. fuse size: Air-cooled, Water-cooled: 30 amps 1ph 15 amps 3ph
Remote: 25 amps 1ph 15 amps 3ph

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

Specifications

BTU Per Hour:
17,700 (average) 21,000 (peak)

Compressor:
Nominal rating: 2 HP

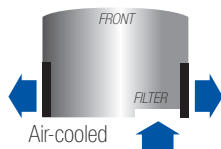
Cupra-Nickel Condenser:
(Water-cooled models)
Adds protection from corrosive water elements.

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)

 **ISO 9001:2000 Quality System Certified**

 **Look for the EnergyMizer™ mark and you'll know you're getting the most from every energy dollar spent on foodservice equipment. www.energymizer.com**



24-HOUR PRODUCTION†								lbs. kgs.					
	HALF-DICE CUBE				DICE CUBE								
	air temp		water temp		air temp		water temp						
	°F	°C	50°	70°	90°	°F	°C	50°	70°	90°			
AIR-COOLED	70°	21°	1,050	476	840	381	70°	21°	1,050	476	840	381	
	80°	27°	960	435	449	374	80°	27°	960	435	449	374	
	90°	32°	880	399	840	381	90°	32°	880	399	840	381	
	70°	21°	1,075	488	970	440	870	70°	21°	1,000	454	965	438
	80°	27°	1,055	479	965	438	860	80°	27°	990	449	960	435
WATER-COOLED	90°	32°	1,030	467	960	435	855	90°	32°	975	442	955	433
	70°	21°	1,060	481	1,000	454	935	70°	21°	1,030	467	960	438
	80°	27°	1,005	456	945	429	885	80°	27°	975	442	905	411
	90°	32°	950	431	920	417	830	90°	32°	920	417	870	395
	70°	21°	1,005	456	945	429	885	70°	21°	975	442	905	411
REMOTE	80°	27°	1,005	456	945	429	885	80°	27°	975	442	905	411
	90°	32°	950	431	920	417	830	90°	32°	920	417	870	395
	70°	21°	1,060	481	1,000	454	935	70°	21°	1,030	467	960	438
	80°	27°	1,005	456	945	429	885	80°	27°	975	442	905	411
	90°	32°	950	431	920	417	830	90°	32°	920	417	870	395

Space-Saving Designs

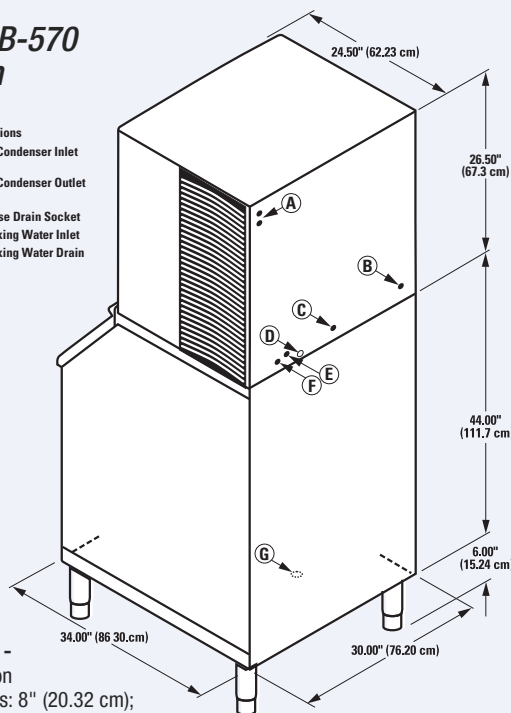


	S-1000 B-570	S-1000 B-970*
Height	76.50" 194.30 cm	76.50" 194.30 cm
Width	30.00" 76.20 cm	48.00" 121.92 cm
Depth	34.00" 86.30 cm	34.00" 86.30 cm
Bin Storage	430 lbs. 195 kgs.	710 lbs. 322.2 kgs.

Height includes adjustable bin legs 6.00" to 8.00", (15.24 to 20.32 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." *K-00370 bin adapter required.

S-1000 on B-570 Storage Bin

- (A) Electrical Entrance (2) Options
- (B) 3/8" (0.95 cm) F.P.T. Water Condenser Inlet (water-cooled units)
- (C) 1/2" (1.27 cm) F.P.T. Water Condenser Outlet (water-cooled units)
- (D) 1/2" (1.27 cm) Auxiliary Base Drain Socket
- (E) 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
- (F) 1/2" (1.27 cm) F.P.T. Ice Making Water Drain
- (G) 3/4" (1.91 cm) Bin Drain



Installation Note -
Minimum installation clearance—Top/sides: 8" (20.32 cm);
Back is 5" (12.7 cm).

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