

S-Series 500 Ice Cube Machine



S-Series 500
Ice Machine on B-570 Bin



ANITATION

We've made it
simple to clean



AVINGS

The perfect balance of
power and efficiency



OUND

Designed to run
whisper-quiet



ERVICEABILITY

Easy access means
less downtime

- Up to 540 lbs. (245 kgs.) daily ice production
- Only 30" (76.20 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 anti-microbial
- 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



ISO 9001:2000
Quality System
Certified

America's #1 Selling Ice Machine

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



Manitowoc S-Series 500

Model	Cube size	Ice production 24 hours		Power kWh/100 lbs.
		lbs.	kgs.	
SD-0502A	dice	400	181	6.4
SD-0503W	dice	480	218	4.9
SY-0504A	half-dice	400	181	6.4
SY-0505W	half-dice	480	218	4.9
REMOTE AIR-COOLED WITH JC-0495A CONDENSER				
SD-0592N	dice	460	209	6.4
SY-0594N	half-dice	460	209	6.4
Water usage/100 lbs./45.4 kgs. of ice				
Potable Water: 18 gallons, 68 liters • Water-cooled Condenser: 138 gallons, 522 liters				

Order ice storage bin separately. "A" or "W" following model number indicates "Air" or "Water" condensing unit. Ice storage bin and JC-0495A remote condenser must be ordered separately. Consult remote condenser specification sheet for details.



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

Ice Machine Electric

115/60/1 standard. (208-230/60/1 and 230/50/1 also available.)

Min. circuit ampacity: Air-cooled — 13
Water-cooled — 12.3, Remote — 14.1

Max. fuse size: Air-cooled, Water-cooled, Remote — 20 amps
HACR-type circuit breakers can be used in place of fuses.

Specifications

BTU Per Hour:
7,000 (average) 9,600 (peak)

Compressor:
Nominal rating: 3/4 HP

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

Operating Limits:
• **Ambient Temperature Range:**
Air and water:
35° to 110°F (1.6° to 43.3°C)
Remote: -20° to 120°F (-29° to 49°C)

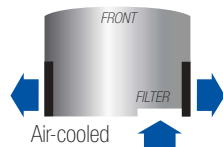
• **Water Temperature Range:**
35° to 90°F (1.6° to 32.2°C)

• **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)



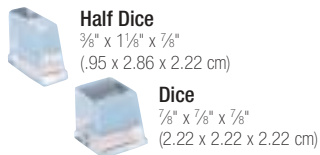
Air Flow Top View



AuCS®SI Accessory

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

2 Cube Sizes Available



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°	540	470	440	70°	550	490	440	-20° to 70°	520	470	420
21°	245	213	200	21°	249	222	200	-29° to 21°	236	213	191
80°	500	430	420	80°	530	480	430	90°	510	460	420
27°	227	195	191	27°	240	218	195	32°	231	209	191
90°	460	400	380	90°	520	480	420	100°	480	430	400
32°	209	181	172	32°	236	218	191	38°	218	195	181

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

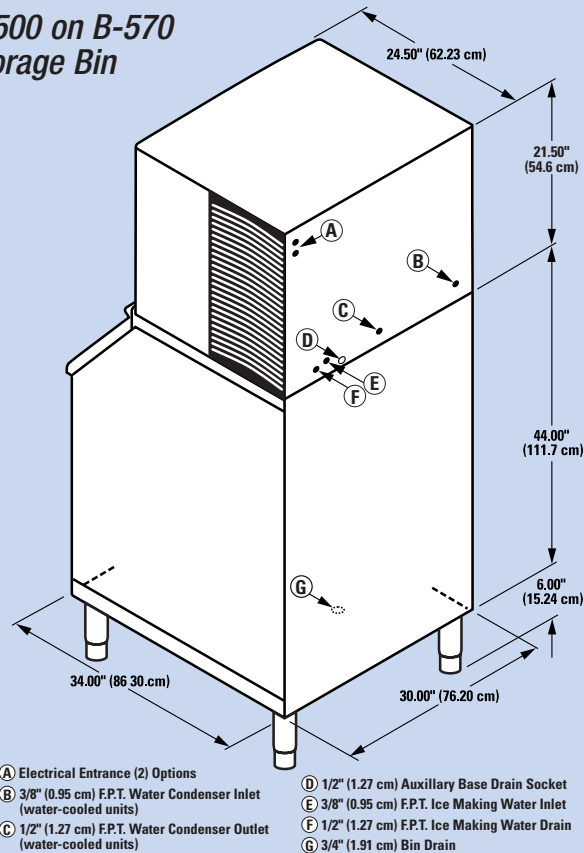
Space-Saving Designs



	S-500 B-400	S-500 B-570
Height	59.50" 151.13 cm	71.50" 181.61 cm
Width	30.00" 76.20 cm	30.00" 76.20 cm
Depth	34.00" 86.30 cm	34.00" 86.30 cm
Bin Storage	290 lbs. 131.7 kgs.	430 lbs. 195.2 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-00214 bin adapter required.

S-500 on B-570 Storage Bin



Installation Note - Minimum Installation Clearance: Top/Sides are 8" (20.32 cm), Back is 5" (12.7 cm).



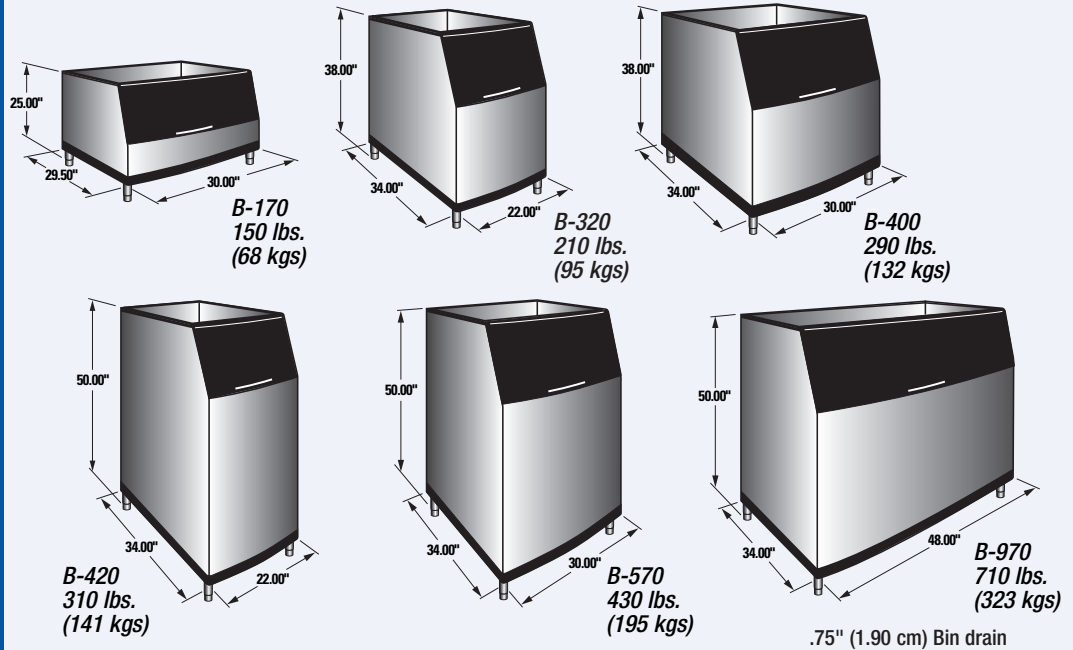
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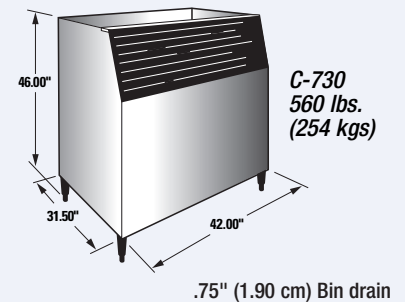
Ice Storage Bins



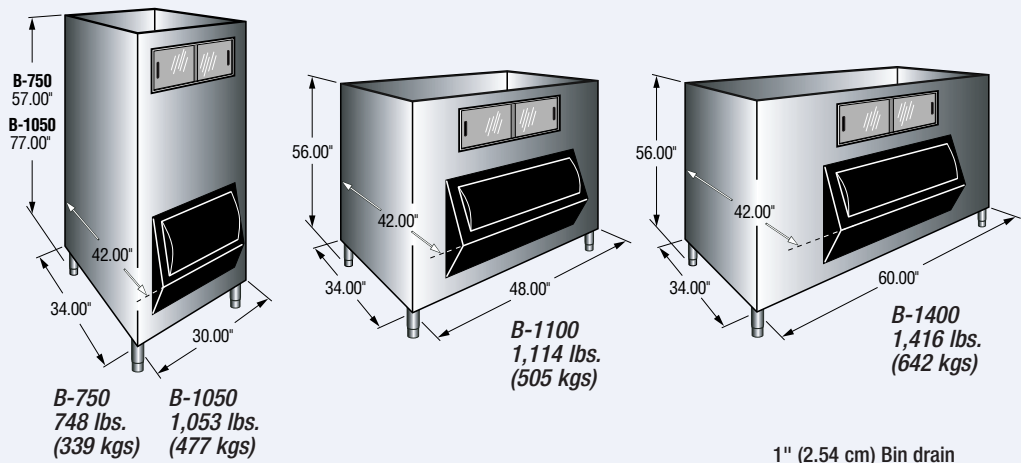
B-Style



C-Style



B-Style Large Capacity



America's #1 Selling Ice Machine

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



Manitowoc Ice Storage Bins

B-STYLE

Bin Model	Capacity		Fits Ice Machine Series Indicated														Dimensions						
	Lbs.	Kgs.	300	322	422	450	500	600	850	1000	1200	1400	1400C	1600	1800	QDual	QC/QF	Height		Width		Depth	
B-170	150	68	●	3	3	●	●										3	25"	63.50 cm	30"	76.20 cm	29.50"	74.92 cm
B-320	210	95		●	●												●	38"	96.52 cm	22"	55.88 cm	34"	86.36 cm
B-400	290	132	●	3	3	●	●	●	●	●	●						3	38"	96.52 cm	30"	76.20 cm	34"	86.36 cm
B-420	310	141		●	●												●	50"	127 cm	22"	55.88 cm	34"	86.36 cm
B-570	430	195	●	3	3	●	●	●	●	●	●						3	50"	127 cm	30"	76.20 cm	34"	86.36 cm
B-970	710	323	1			1	1	2	2	2	2	●	2	●	●	2		50"	127 cm	48"	121.92 cm	34"	86.36 cm

Soft durometer trim around opening helps silence bin door closing. Patent-pending hinge pin design holds bin door open while in use. Internal scoop holder stays above ice line for easy access and better sanitation. Stainless steel exterior is durable, corrosion resistant, and attractive.

- 1 K-00369 adapter required
- 2 K-00370 adapter required
- 3 K-00368 adapter required

One set of stainless steel legs included. Adjustable from 6.00" to 7.75" (15.24 to 20.32 cm). Included with bin.

Storage capacity is based on 80% of total volume x 30 lb/ft³ average density of ice.



C-STYLE

Bin Model	Capacity		Fits Ice Machine Series Indicated										Dimensions						
	Lbs.	Kgs.	300	322	422	450	500	600	850	1000	1200	1400C	QC/QF	Height		Width		Depth	
C-730S	560	254	4	5	5	4	4	4	4	4	4	4	5	46"	116.84 cm	42"	106.68 cm	31.50"	80.01 cm

C-Style stainless steel exterior metal is same material used for S-Series ice machines. Bin door, although rectangular, is gray ABS to match S-Series ice machine trim color. C-Style bin does not include scoop holder, bin door design, or rounded corner enhancements included with S-Style or B-Style design. Bin leg is bullet design, adjustable from 6.00" to 7.75" (15.24 cm to 19.685 cm) and painted black. Bin liner is one-piece (seamless) "rotocast" polyethylene. Liner won't rust, dent, chip, crack or discolor.

- 4 C-730 includes K-00023 adapter to mount 30" ice machine.
- 5 K-00117 adapter required.

Gray painted 6.00" (15.24 cm) bullet legs included, adjustable from 6.00" to 7.00" (15.24 to 17.78 cm).

Storage capacity is based on 80% of total volume x 30 lb/ft³ average density of ice.



B-STYLE LARGE CAPACITY

Bin Model	Capacity		Fits Ice Machine Series Indicated														Dimensions					
	Lbs.	Kgs.	450	500	600	850	1000	1200	1400	1400C	1600	1800	QDual	QF2300	Height		Width		Depth			
B-750	748	339	●	●	●	●	●	●					●	●	57.00"	144.8 cm	30"	76.20 cm	34"	86.36 cm		
B-1050	1,053	478	●	●	●	●	●	●					●	●	77.00"	195.6 cm	30"	76.20 cm	34"	86.36 cm		
B-1100	1,114	505	●	●	●	●	●	●	●	●	●	●	●	●	56.00"	142.3 cm	48"	121.92 cm	34"	86.36 cm		
B-1400	1,416	642	●	●	●	●	●	●	●	●	●	●	●	●	56.00"	142.3 cm	60"	152.40 cm	34"	86.36 cm		

Manitowoc B-Style, large capacity ice storage bins are equipped with an ice gate for increased employee safety, easier ice removal, and reduced spillage.

Choose between a B-750 and B-1050, two of the smallest footprint, large capacity ice storage bins offered. Also available are the 48" wide B-1100 with 1,114 lbs. of ice storage capacity or the 60" wide model B-1400 with 1,416 lbs. of ice storage capacity. (B-1100; specify for use with 1–30" wide or 1–48" wide ice machine and B-1400 specify for use with 1–30" wide, 2–30" wide or 1–48" wide ice machine at time of purchase).

Bin Leg Options

4" (10.16 cm), 6" (15.24 cm) and 12" (30.48 cm) adjustable legs in painted and stainless steel and 2.5" (6.35 cm), and 7.625" (19.37cm) casters available for most models. Contact factory for model number and order information.

Warranty

Provides comprehensive, 3-year parts-and-labor coverage. For details, see Ice Storage Bin Warranty Statement. B-750, B-1050, B-1100 and B-1400 provide a limited lifetime warranty on base, bin liner, and poly snout.

ICE MACHINE DEFLECTORS REQUIRED

S-Series 450, 500, 600, 850, 1000, 1200	K-00347
S-Series 1400, 1600, 1800	K-00349
1400C and Q-Dual	K-00212 for side-by-side ice machines K-00211 for one ice machine

Stainless steel 6.00" (15.24 cm) legs included, adjustable from 6.00" to 7.50" (15.24 to 19.05 cm).

Storage capacity is based on p0% of total volume x 30 lb/ft³ average density of ice.



ISO 9001:2000
Quality System Certified



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