

S-Series 1400 Ice Cube Machine



S-Series 1400
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 1,450 lbs. (658 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



Manitowoc S-Series 1400

Model	Cube size	Ice production 24 hours		Power kWh/100 lbs.
		lbs.	kgs.	
SD-1402A	dice	1,160	526	5.3
SD-1403W	dice	1,300	590	4.3
SY-1404A	half-dice	1,160	526	5.3
SY-1405W	half-dice	1,300	590	4.3
REMOTE AIR-COOLED WITH JC-1395A CONDENSER				
SD-1492N	dice	1,210	549	4.8
SY-1494N	half-dice	1,210	549	4.8
Water usage/100 lbs./45.4 kgs. of ice				
Potable Water: 18 gallons, 68.1 liters • Water-cooled Condenser: 145 gallons, 548.9 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-1402A3).



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: 17.5 1ph 13.2 3ph
Water-cooled: 16.1 1ph 11.8 3ph
Remote: 17.1 1ph 12.8 3ph

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

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

Specifications

BTU Per Hour:

19,000 (average) 28,000 (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:
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:

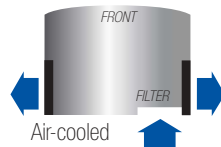
Min. 20 psi (137.9 kPa)
Max. 80 psi (551.1 kPa)

• 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)

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°	1,450	1,320	1,250	70°	1,380	1,280	1,130	-20° to 70°	1,360	1,240	1,150	
21°	659	600	568	21°	627	582	514	-29° to 21°	618	564	522	
80°	1,390	1,260	1,170	80°	1,380	1,280	1,120	90°	1,320	1,210	1,120	
27°	630	573	532	27°	627	582	509	32°	600	550	509	
90°	1,250	1,160	1,080	90°	1,380	1,300	1,120	100°	1,260	1,140	1,040	
32°	567	527	491	32°	627	591	509	38°	572	518	472	

†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

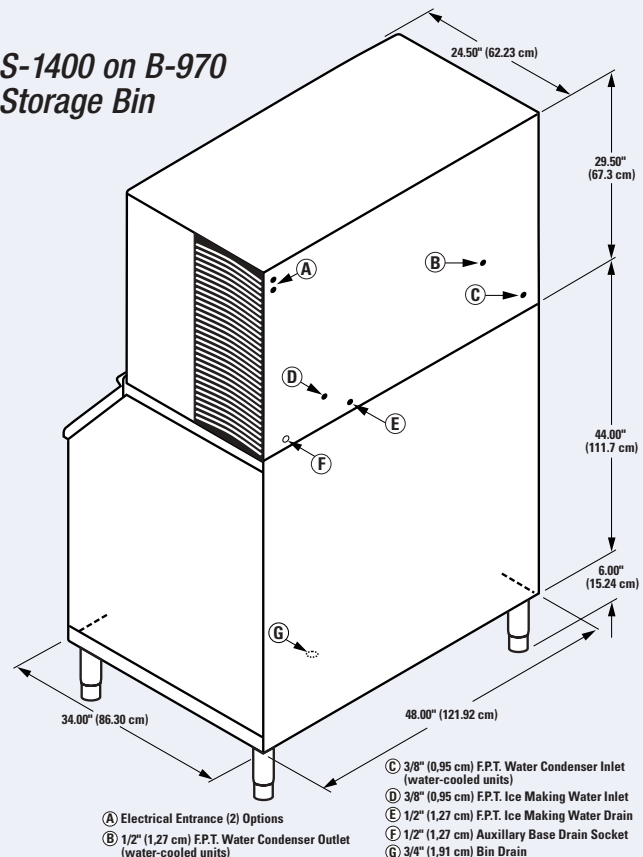
S-1400
B-970



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-1400 on B-970 Storage Bin



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).



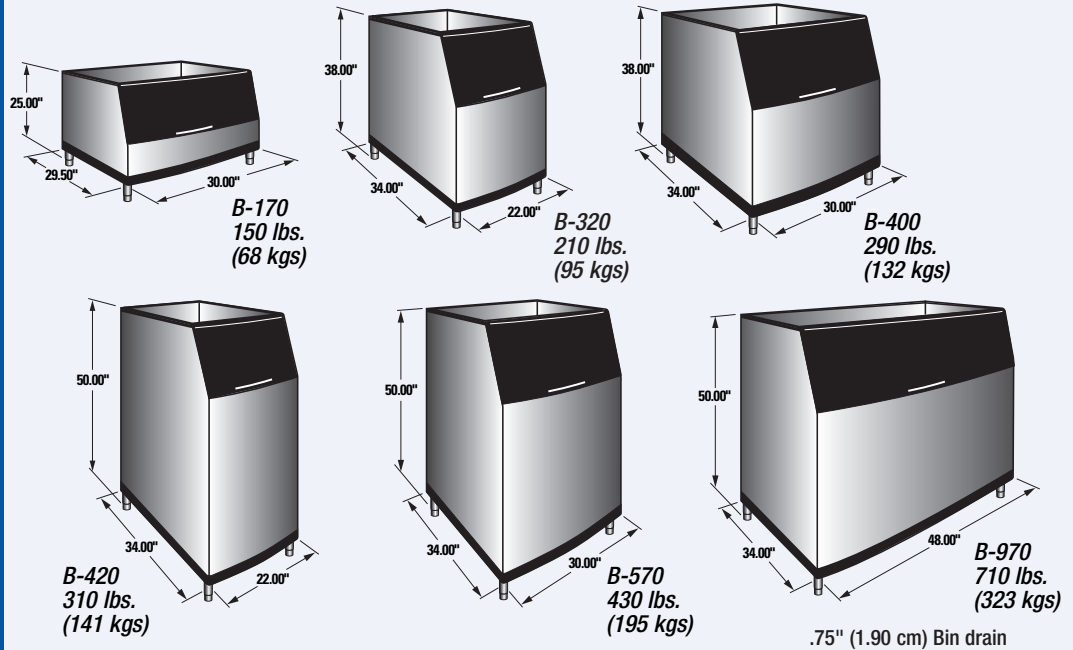
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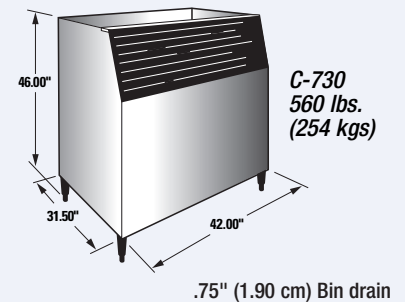
Ice Storage Bins



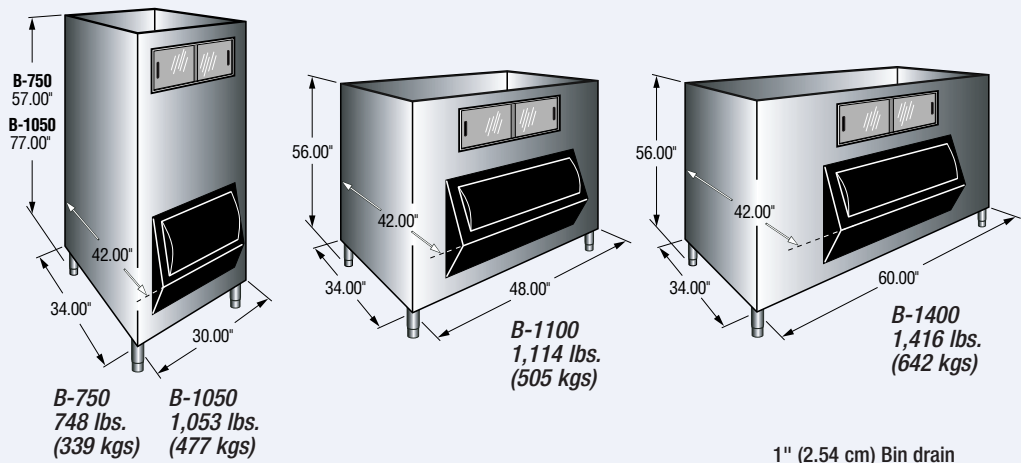
B-Style



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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