

# S-Series 300 Ice Cube Machine



S-Series 300  
Ice Machine on B-170 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 325 lbs. (147 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® antimicrobial

- 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 300

Model	Cube size	Ice production 24 hours		Power kWh/100 lbs.
		lbs.	kgs.	
SD-0302A	dice	255	116	8.3
SD-0303W	dice	270	122	6.6
SY-0304A	half-dice	255	116	8.3
SY-0305W	half-dice	270	122	6.6
Water usage/100 lbs./45.4 kgs. of ice				
Potable Water: 26 gallons, 9.8 liters • Water-cooled Condenser: 180 gallons, 681 liters				

Order ice storage bin separately. "A" or "W" following model number indicates "Air" or "Water" condensing unit.



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: 12.9 amps  
Water-cooled: 12.1 amps

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

## Specifications

**BTU Per Hour:**  
3,800 (average) 6,000 (peak)

**Compressor:**  
Nominal rating: 1/2 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 (1.6° to 43.3°C)

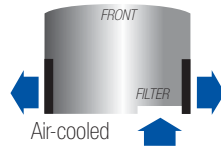
• Water Temperature Range:  
35° to 90°F (1.6° to 32.2°C)

• 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)



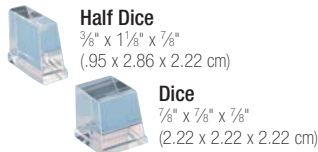
## Air Flow Top View



## AuCS®SO Accessory

Automatic Cleaning System purchased  
as an option and installed in the field.

## 2 Cube Sizes Available



24-HOUR PRODUCTION †								lbs. kgs.
AIR-COOLED UNIT				WATER-COOLED UNIT				
air temp	water temp			air temp	water temp			
°F	50°	70°	90°	°F	50°	70°	90°	
°C	10°	21°	32°	°C	10°	21°	32°	
70°	325	295	270	70°	310	285	260	
21°	147	134	122	21°	143	129	118	
80°	305	275	250	80°	305	280	255	
27°	138	125	113	27°	138	137	116	
90°	285	255	235	90°	295	270	250	
32°	129	116	107	32°	134	122	113	

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

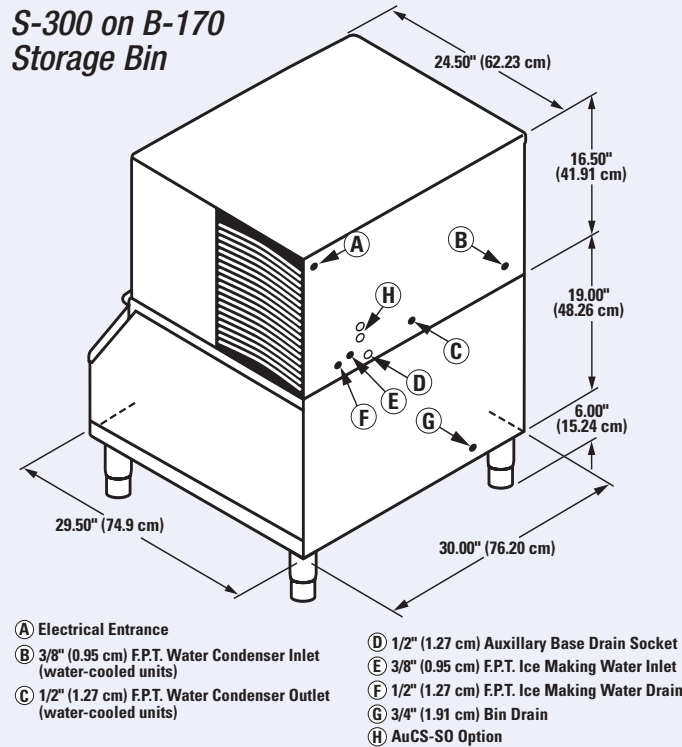
## Space-Saving Designs



	S-300 B-170	S-300 B-400
Height	41.50" 105.41 cm	54.50" 138.43 cm
Width	30.00" 76.20 cm	30.00" 76.20 cm
Depth	29.50" 74.93 cm	34.00" 86.30 cm
Bin Storage	150 lbs. 68.04 kgs.	290 lbs. 131.50 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."

## S-300 on B-170 Storage Bin



**Installation Note - Minimum installation clearance:**  
Top/sides: 8" (20.32 cm), back: 5" (12.70 cm).

©2006 Manitowoc 306 Continuing product improvement may necessitate change of specifications without notice.

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