

# S-Series 500 Ice Cube Machine



**Manitowoc**



SY-0504A 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 560 lbs. (254 kgs.) daily ice production
- **CEE Tier 3 energy and water efficiency rating**
- 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

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

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

**Manitowoc**

# Manitowoc S-Series 500

| Model  | Ice Shape | Ice Production 24 Hours |      |                   |      | Power kWh/100 lbs. @ 90°/70°F | CEE* Rating | ENERGY STAR* |
|--|-----------|-------------------------|------|-------------------|------|-------------------------------|-------------|--------------|
|  |           | 70°Air/50°F Water       |      | 90°Air/70°F Water |      |                               |             |              |
|  |           | lbs.                    | kgs. | lbs.              | kgs. |                               |             |              |
| SD-0502A   | dice      | 530                     | 240  | 420               | 420  | 5.5                           | Tier 3      | ★            |
| SD-0503W   | dice      | 550                     | 249  | 470               | 470  | 4.3                           | Tier 3      |              |
| SY-0504A   | half-dice | 560                     | 254  | 440               | 200  | 5.4                           | Tier 3      | ★            |
| SY-0505W   | half-dice | 550                     | 249  | 485               | 220  | 4.3                           | Tier 3      |              |
| <b>REMOTE AIR-COOLED WITH JC-0495 CONDENSER</b>  |           |                         |      |                   |      |                               |             |              |
| SD-0592N   | dice      | 510                     | 231  | 425               | 204  | 5.8                           | Tier 3      | ★            |
| SY-0594N   | half-dice | 480                     | 218  | 450               | 193  | 6.1                           | Tier 3      | ★            |
| 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.

**\*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

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

**Min. circuit ampacity:** Air-cooled: 20 amps  
Water-cooled: 13.5 amps  
Remote: 20 amps

**Max. fuse size:** Air-cooled, Water-cooled: 20 amps  
Remote: 25 amps

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

## Specifications

**BTU Per Hour:**  
6,100 (average) 6,900 (peak)

**Compressor:**  
Nominal rating: 3/4 HP

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

## Operating Limits:

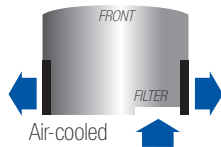
- Ambient Temperature Range:**  
Air and water-cooled:  
35° to 110°F (1.6° to 43.3°C)  
Remote: -20° to 120°F (-29° to 49°C)

- 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 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 view an electronic version on our web site.



| 24-HOUR PRODUCTION † |                |     |            |     |           |     |            | lbs. kgs. |
|----------------------|----------------|-----|------------|-----|-----------|-----|------------|-----------|
| AIR-COOLED           | HALF-DICE CUBE |     |            |     | DICE CUBE |     |            |           |
|                      | 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°            | 560 | 510        | 465 | 70°       | 530 | 485        | 445       |
|                      | 21°            | 254 | 231        | 211 | 21°       | 240 | 220        | 202       |
|                      | 80°            | 510 | 470        | 425 | 80°       | 485 | 445        | 405       |
|                      | 27°            | 231 | 213        | 193 | 27°       | 220 | 202        | 184       |
|                      | 90°            | 460 | 440        | 390 | 90°       | 440 | 420        | 370       |
|                      | 32°            | 209 | 200        | 177 | 32°       | 200 | 191        | 168       |
|                      | 70°            | 550 | 500        | 440 | 70°       | 550 | 500        | 440       |
|                      | 21°            | 249 | 227        | 200 | 21°       | 249 | 227        | 200       |
|                      | 80°            | 540 | 485        | 435 | 80°       | 540 | 485        | 430       |
|                      | 27°            | 245 | 220        | 197 | 27°       | 245 | 220        | 195       |
|                      | 90°            | 530 | 485        | 425 | 90°       | 530 | 470        | 425       |
|                      | 32°            | 240 | 220        | 193 | 32°       | 240 | 213        | 193       |
|                      | 70°            | 510 | 465        | 425 | 70°       | 480 | 445        | 415       |
|                      | 21°            | 231 | 211        | 193 | 21°       | 218 | 202        | 188       |
|                      | 80°            | 490 | 450        | 410 | 80°       | 465 | 435        | 400       |
|                      | 27°            | 222 | 204        | 186 | 27°       | 211 | 197        | 181       |
|                      | 90°            | 475 | 450        | 400 | 90°       | 455 | 425        | 390       |
|                      | 32°            | 215 | 204        | 181 | 32°       | 206 | 193        | 177       |

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

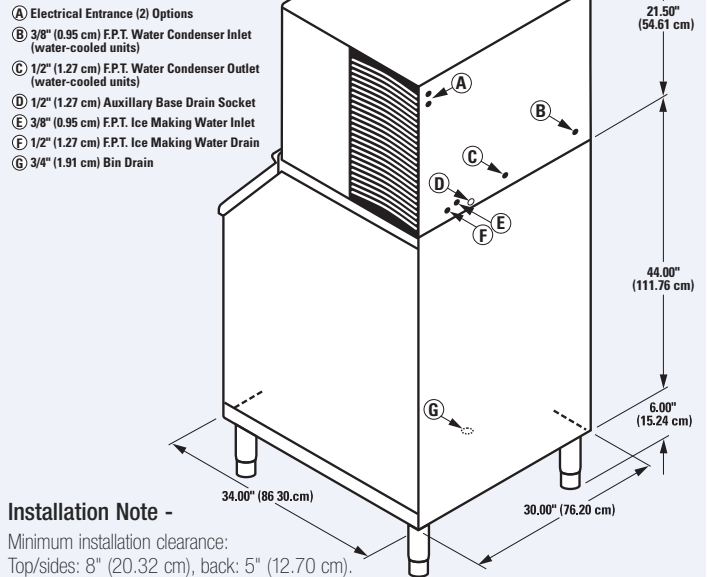
## Space-Saving Designs



|             | S-500<br>B-400          | S-500<br>B-570          |
|-------------|-------------------------|-------------------------|
| Height      | 59.50"<br>151.13 cm     | 71.50"<br>181.61 cm     |
| Width       | 30.00"<br>76.20 cm      | 30.00"<br>76.20 cm      |
| Depth       | 34.00"<br>86.30 cm      | 34.00"<br>86.30 cm      |
| Bin Storage | 290 lbs.<br>131.54 kgs. | 430 lbs.<br>195.04 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



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MANITOWOC ICE  
2110 South 26th Street, P.O. Box 1720  
Manitowoc, WI 54221-1720, USA  
Ph: 920-682-0161 • Fax: 920-683-7589  
Visit us online at [www.manitowocice.com](http://www.manitowocice.com)

