



S-Series 850 Ice Cube Machine

Model ☐ SD-0852A 」 SY-0854A SY-0894N ☐ SY-0855W SD-0853W SD-0892N





SY-0854A Ice Machine on B-570 Bin

Standard Features

- Up to 940 lbs. (426 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.

Specifications

BTU Per Hour:

13,000 (average) 16,000 (peak)

Compressor:

Nominal rating: 1-1/2 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 (1.6° 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)

Ice Machine Flectric

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

Minimum circuit ampacity:

Air-cooled: 11.9 1ph 9.2 3ph Water-cooled: 10.9 1ph 8.2 3ph Remote: 11.9 1ph 9.2 3ph

Maximum fuse size:

Air-cooled, Water-cooled and Remote:

20 amps 1ph 15 amps 3ph











2110 South 26th Street PO Box 1720 Manitowoc, WI 54221-1720 USA Tel: 1.920.682.0161 Fax: 1.920.683.7589 www.manitowocice.com







4.50" (62.23 cm) S-850 on B-570 Storage Bin Installation Note AA Minimum installation Top/sides: 8" (20.32 cm); Back: 5" (12.7 cm). 44.00" (111.76 cm) 30.00" (76.20 cm)

- (A) Electrical Entrance (2) Options
- (B) 3/8" (0.95 cm) F.P.T. Water Condenser Inlet (water-cooled units)

 © 1/2" (1.27 cm) F.P.T. Water Condenser Outlet
- 1/2" (1.27 cm) Auxillary 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
- @ 3/4" (1.91 cm) Bin Drain

Space-Saving Designs



	B-570	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."

	Ice Production 24 Hours			Power kWh/100 lbs.					
	70°Air/50	0°Air/50°F Water 90°Air/70°F Wa)°F Water	@ 90°/70°F				Energy
Ice Shape	lbs.	kgs.	lbs.	kgs.	1 ph	CEE† Rating	3 ph	CEE† Rating	Star®
dice	785	356	615	279	6	Tier 1	5.8	Tier 1	
dice	835	379	740	336	4.5	Tier 1	4.5	Tier 1	
half-dice	940	426	725	329	5.3	Tier 2	5.2	Tier 3	*
half-dice	875	397	810	367	4.2	Tier 2	4.2	Tier 2	
		Rer	note Air-Co	ooled with	JC-0895A co	ndenser			
dice	750	340	645	293	5.9	Tier 1	5.7	Tier 2	
half-dice	860	390	750	340	5.3	Tier 2	5.2	Tier 2	*
	dice dice half-dice half-dice	Ice Shape Ibs. dice 785 dice 835 half-dice 940 half-dice 875 dice 750	70°Air/50°F Water Ice Shape Ibs. kgs. dice 785 356 dice 835 379 half-dice 940 426 half-dice 875 397 Rer dice 750 340	70°Air/50°F Water 90°Air/70 Ice Shape Ibs. kgs. lbs. dice 785 356 615 dice 835 379 740 half-dice 940 426 725 half-dice 875 397 810 Remote Air-Coldice dice 750 340 645	To°Air/50°F Water 90°Air/70°F Water Ice Shape Ibs. kgs. Ibs. kgs. dice 785 356 615 279 dice 835 379 740 336 half-dice 940 426 725 329 half-dice 875 397 810 367 Remote Air-Cooled with dice 750 340 645 293	70°Air/50°F Water 90°Air/70°F Water Ice Shape Ibs. kgs. Ibs. kgs. 1 ph dice 785 356 615 279 6 dice 835 379 740 336 4.5 half-dice 940 426 725 329 5.3 half-dice 875 397 810 367 4.2 Remote Air-Cooled with JC-0895A collapse dice 750 340 645 293 5.9	To Air / 50 °F Water 90 °Air / 70 °F Water 1 ph CEE† Rating 1 ph CEE† Rating 1 ph CEE† Rating 1 ph CEE† Rating 1 ph 1	To°Air/50°F Water 90°Air/70°F Water 90°/70°F 1 ph CEE† Rating 3 ph 3 dice 785 356 615 279 6 Tier 1 5.8 4.5 4.5 6 dice 835 379 740 336 4.5 Tier 1 4.5 6 dice 940 426 725 329 5.3 Tier 2 5.2 6 dice 875 397 810 367 4.2 Tier 2 4.2 6 dice 750 340 645 293 5.9 Tier 1 5.7 5.7 6 dice 750 340 645 293 5.9 Tier 1 5.7 5.7 6 dice 750 340 645 293 5.9 Tier 1 5.7 5.7 6 dice 750 340 645 293 5.9 Tier 1 5.7 5.7 6 dice 750 340 645 293 5.9 Tier 1 5.7 6 dice 750 340 645 293 5.9 Tier 1 5.7 6 dice 750 340 645 293 5.9 Tier 1 5.7 6 dice 750 340 645 293 5.9 Tier 1 5.7 6 dice 750 340 645 293 5.9 Tier 1 5.7 6 dice 750 70° 70	To°Air/50°F Water 90°Air/70°F Water 90°Air/70°F Water @ 90°/70°F

Potable Water: 18 gallons, 68 liters • Water-cooled Condenser: 145 gallons, 549 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-0852A3).

†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.

Ice Shape



%" x 1%" x %" (.95 x 2.86 x 2.22 cm)



Dice %" x %" x %" (2.22 x 2.22 x 2.22 cm)

Air Flow Top View



AuCS®SO Accessory

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

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