ST3000W Ice Cube Machine

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Models

☐ SDT3000W-263H ☐ SYT3000W-263H



ST3000 Ice Machine shown on a LB1760 Bin
(ice machine and bin sold separately)

Standard Features

- Quadzilla™ Evaporator System– places four high-output individual evaporators in a compact 48" (121.92 cm) wide ice maker for up to 3200 lbs. (1451 kgs.) daily ice production.
- Ice machine is 48" W x 31" D x 36" H (121.92 x 78.74 x 91.44 cm).
- Select components made with AlphaSan® antimicrobial.
- Patented ice harvest technology reduces energy requirements.
- R410A CFC-free refrigerant (48% less global warming potential)

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 components.

Specifications

BTU Per Hour:
45,000 (average)
51,000 (peak)

Compressor:
Nominal rating: 5.0 HP

Cupra-Nickel Condenser:
Adds protection from corrosive water elements.

Operating Limits:

- Ambient Temperature Range: 40˚ to 110˚F (4.4˚ to 43.3˚C)
- Water Temperature Range: Potable Water: 40˚ to 90˚F (4.4˚ to 32.2˚C)
- Condenser: 35° to 110°F (1.67° to 43.3°C)
- Water Pressure Ice Maker Water In: Min. 20 psi (137.9 kPA) Max. 80 psi (551.1 kPA)
- Condenser Inlet Water In: Min. 20 psi (137.9 kPA) Max. 250 psi (1,034.2 kPA)

The ST3000 is equipped with high pressure valves that handles water pressure from minimum of 20 psi (137.9 kPA) to a maximum 350 psi (2413.2 kPA)

Ice Machine Electric

available in 208-230v/60Hz/ 3 phase

Minimum circuit ampacity:
30 amps

Maximum fuse size:
30 amps
HACR-type circuit breakers can be used in place of fuses.

Ice Shape



Half Dice
⅜" x 1⅛" x ⅞"
(.95 x 2.86 x 2.22 cm)



Dice
⅞" x ⅞" x ⅞"
(2.22 x 2.22 x 2.22 cm)

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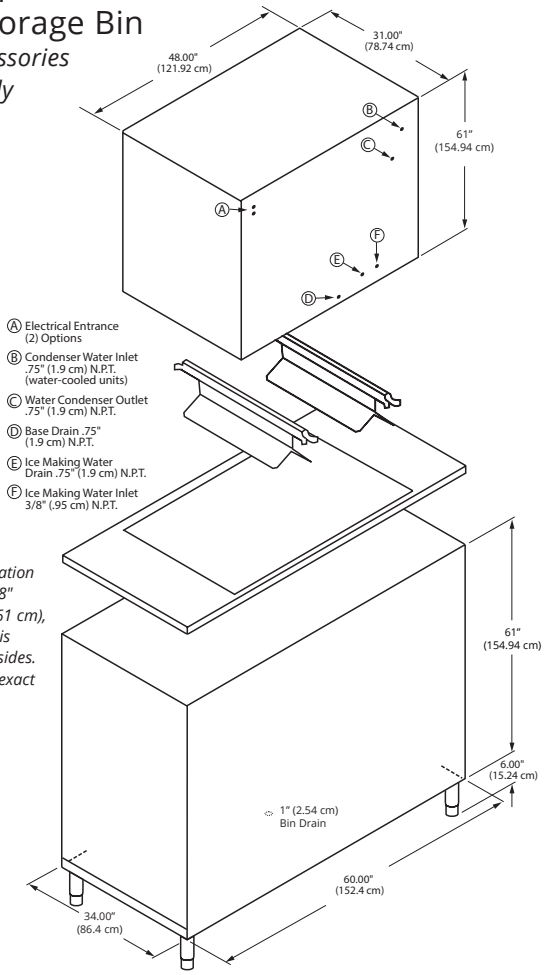
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ST3000 on LB1460 Storage Bin

Ice Bin & Accessories Sold Separately

ICE MACHINE + DEFLECTOR (K00391) + ADAPTER (KLB604800) + ICE BIN LB1460 = PACKAGE



Installation Note
Recommended installation clearance– Top/sides 8" (20.3 cm), back: 24" (61 cm), although 24" (61 cm) is recommended on all sides. Bin drain– located in exact center of bin.

Space-Saving Designs



ST3000
LB1760

Height	103.00" 261.62 cm
Width	60.00" 152.4cm
Depth*	34.00" 86.36 cm
Bin Storage	1693 lbs. 767.9 kgs.

Above height includes legs set at 6" (15.24 cm) adjustable to 7.13"(18.11 cm)

Application capacity based on 90% AHRI measured interior volume x 33 lb/ft3 density of ice.

(Ice machine and bin sold separately)

Required Deflectors and Adapters

K00396 deflected if used on LB1448

K00391 delfector for all 48" & 60" Wide LB-style bins

KLB604800 adapter for LB1460 & LB1760

KLB614800 adapter for LBCS1360 bin

Model	Ice Shape	Ice Production 24 Hours		Power kWh/ 100 lbs @ 90°Air/70°F	Water Usage/100 lbs. 45.4 kgs. of Ice	
		70°Air/ 50°F Water	90°Air/ 70°F Water	3 ph	Potable Water Usage	Water-Cooled Condenser
SDT3000W*	dice	3000 lbs. 1361 kgs	2558 lbs 1160 kgs	3.69	21 gal 79 L	140 gal 530 L
SYT3000W*	half-dice	3200 lbs 1451 kgs	2584 lbs 1172 kgs	3.72	21 gal 78 L	140 gal 530 L.

Condenser Water Temperature	50°F 10°C	70°F 21°C	90°F 32°C
Water Temp. Out F°	100° to 110°		
Water Temp. Out C°	37.8° to 43.3°		

Manitowoc Ice reserves the right to make changes to the design or specifications without prior notice.

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