

ST3000W Ice Machine shown on a F1650 Bin
(ice machine and bin sold separately)

ST3000W

Manitowoc Ice Cube Machine

SDT3000W-263H | SYT3000W-263H

ICE SHAPES



- **Half-Dice:** 3/8" x 1⅛" x 7/8" (0.95 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)

SIZE

- Up to 3,200 lbs (1,451 kgs) of daily ice production
- Ice Machine: 48" (121.92 cm) wide, 31" (78.74 cm) deep, and 36" (91.44 cm) high
- F1650 Bin: 60" (152.4 cm) wide, 31" (78.74 cm) deep, and 71" (180.34 cm) high including 6" (15.24 cm) legs
- 1,494 lb (678 kgs) ice bin storage capacity*

*Application capacity based on 90% volume x 33 lbs./ft^3 average density of ice

SPECIFICATIONS

Refrigerant: R410A

- Air-cooled: 15.9 oz (451 g)
- Water Cooled: 15.9 oz (451 g)

BTU Per Hour

- 45,000 (average)
- 51,000 (peak)

Operating Limits

- Ambient temperature range: 35˚ to 110˚F (1.7˚ to 43.3˚C)
- Water temperature range: 40˚ to 90˚F (4.4˚ to 32.2˚C)
- Water pressure ice maker (water in)
  - Min. 20 psi (137.9 kPA)
  - Max. 80 psi (551.1 kPA)
- Water pressure condenser (water in)
  - Min. 20 psi (137.9 kPA)
  - Max. 250 psi (1,034.2 kPA)

Power: 208-230/60/3

- Minimum circuit ampacity (amps)
  - 30 amps
- Maximum fuse size:
  - 30 amps
  - HVACR-type circuit breakers can be used in place of fuses

FEATURES

- Quadzilla™ Evaporator System- places four high-output individual evaporators in a compact 48" (121.92 cm) wide ice maker for up to 3,200 lbs (1451 kgs) daily ice production.
- Select components made with AlphaSan® antimicrobial .
- Patented ice harvest technology reduces energy requirements.
- R410A CFC-free refrigerant (48% less global warming potential)
- The ST3000W 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)
- Cupra-Nickel Condenser: adds protection from corrosive water elements.

ACCESSORIES

- External scoop holder, NSF approved, helps protect the scoop
- Durable ice paddle with a dedicated holder for convenient access and sanitary storage between uses



Luminice II



Ice Paddle

Manitowoc
FROM PENTAIR WATER SOLUTIONS

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INSTALLATION

Ice machine must be installed indoors.

Required clearance for
- Top/sides: 8" (20.3 cm)
- Back: 24" (61 cm)

Recommended clearance for all sides is 24" (61 cm)

Bin Drain is located in exact center of bin

A Electrical Entrance (2) Options

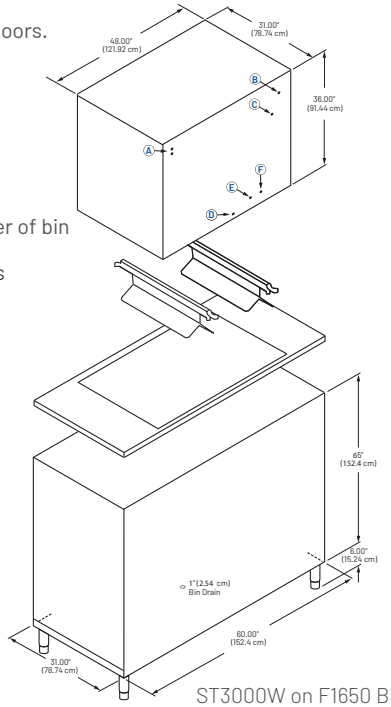
B 3/4" (1.9 cm) N.P.T. Water Condenser Inlet (water-cooled units)

C 3/4" (1.9 cm) N.P.T. Water Condenser Outlet (water-cooled units)

D 1" (2.54 cm) N.P.T. Base Drain

E 3/4" (1.9 cm) N.P.T. Ice Making Water Drain

F 3/8" (0.953 cm) Ice Making Water Inlet



ST3000W on F1650 Bin

Required Deflectors & Adapters	
Deflector	**Bin**
K00396	F1650
K00391	all 48" & 60" wide F-style bins
Adapter	**Bin**
K604800	F1325 & F1650
K614800	FC1350

Ice Machine: (SDT3000W) + **Deflector** (K0391) + **Adapter** (K604800) + **Bin** (F1650) = **Package**

SPACE-SAVING DESIGN



	ST3000W F1650
Height	107" 271.78 cm
Width	60" 152.4 cm
Depth	31.0" 78.74 cm
Bin Storage	1,494 lbs 678 kgs

Height includes adjustable bin legs 6.00" to 8.00", (15.24 to 20.32 cm) set at 6.00" (15.24 cm).

Bin capacity is based on 90% of the volume x 33 lbs/ft³ average density of ice.

Ice machine and bin sold separately.

SPECIFICATIONS

	Model	Ice Shape	Shipping Weight	Ice Production 24 Hours		@ 90° Air/70°F Water (32° Air/21°C Water)		
				70°Air/50°F Water 21°Air/10°C Water	90°Air/70°F Water 32°Air/21°C Water	Power Usage kWh per 100 lbs of Ice 3 ph	Ice Machine Potable water usage per 100 lbs Ice	Condenser Water Usage per 100 lbs Ice
Water Cooled	SDT3000W	Dice	501 lbs (227 kgs)	3,000 lbs (1,361 kgs)	2,558 lbs (1,160 kgs)	3.69	21 gal (79 L)	140 gal (530 L)
	SYT3000W	Half-Dice	516 lbs (234 kgs)	3,200 lbs (1,451 kgs)	2,584 lbs (1,172 kgs)	3.72	21 gal (78 L)	140 gal (530 L)

Condenser Water Temperature - Out
100 – 110°F (37.8–43.3°C)

Limited Warranty

Ice Maker Three (3) years parts and labor
Evaporator Five (5) years parts and labor
Compressor Five (5) years parts, three (3) years labor

For complete warranty terms, visit manitowocice.com/service/warranty. A free copy of the written warranty is available by contacting Pentair at 920-682-0161

Manitowoc
FROM PENTAIR WATER SOLUTIONS

2110 South 26th Street | Manitowoc, WI 54220 | United States
+1.920.682.0161 | 920.683.7589 Fax | manitowocice.com

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