

SYT3000C Ice Machine - 115V



CVDT3000-263 Condensing Unit - 208-230/60/3

QuietQube® SYT3000C

Manitowoc Remote Ice Cube Machine

SYT3000C-161 | CVDT3000-263

ICE SHAPES



- **Half-Dice:** 3/8" x 1 1/8" x 7/8" (0.95 x 2.86 x 2.22 cm)

SIZE

- Up to 2,949 lbs (1,338 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

BTU Per Hour

- CVDT3000 remote condensing unit
  - 40,000 (average)
  - 46,000 (peak)

Compressor: Nominal Rating - 4.5 HP

Operating Limits

- SYT3000C Ice Machine
  - Ambient temperature range: 40° to 110°F (4.4° to 43.4°C)
  - Water temperature range: 40° to 90°F (4.4° to 32.2°C)
  - Water pressure ice maker (water in)
    - Minimum 20 psi (137.9 kPA)
    - Maximum 80 psi (551.1 kPA)
- CVDT3000 remote condensing unit
  - Ambient temperature range: -20° to 120°F (-29° to 48.9°C)

Power

- SYT3000C ice machine
  - 115/60/1 standard
  - Minimum circuit ampacity: 2 amps
  - Maximum fuse size: 15 amps
- CVDT3000 remote condensing unit
  - 208-230/60/1 standard
    Minimum circuit ampacity: 30 3 ph
    Maximum fuse size: 35 amps 3 ph
- Notes:
  - HVACR-type circuit breakers can be used in place of fuses.
  - QuietQube ice machine is 115/60/1 and wired independent of CVD condensing unit.

FEATURES

- Quadzilla™ Evaporator System– places four high-output individual evaporators in a compact 48" (121.92 cm) wide ice maker for up to 2,949 lbs (1338 kgs) daily ice production.
- Quiet operation. Remotely located compressor eliminates most noise from the refrigeration system. Promotes relaxing atmosphere.
- Patented CVD® technology improves reliability and extends life of the compressor.
- Stainless steel tubular frame construction - for added strength and durability.
- Stainless steel exterior for superior corrosion resistance and durability.
- Not to be used in stacking configurations.

ACCESSORIES

K00412	Paddle 46.5" (118.11 cm) length (not shown)
K00463	Aluminum scoop 5.3 lbs (2.4 kgs) capacity
K00414	Shovel 36" (91.44 cm) Length (not shown)
K00461	External Scoop Holder (K00482 hanger also required)
K00416	Optional totes, set of 6, hold 150 lbs [25 lbs (11.34 kgs) each]



K00463



K00461 with required K00482



K00416

Manitowoc
FROM PENTAIR WATER SOLUTIONS

QuietQube SYT3000C

Manitowoc Remote Ice Cube Machine

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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 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet

C 3/4" (1.9 cm) Suction Line Connection

D 5/8" (1.59 cm) Liquid Line Connection

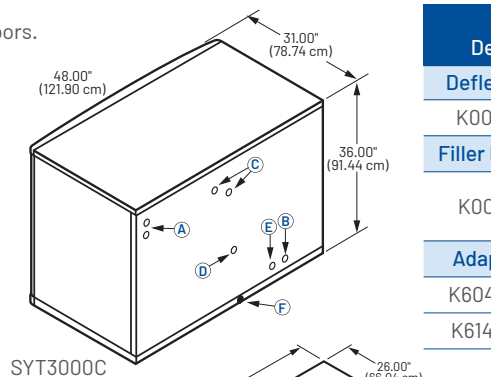
E 3/4" (1.9 cm) F.P.T. Ice Making Water Drain

F 3/4" (1.9 cm) F.P.T. Base Drain

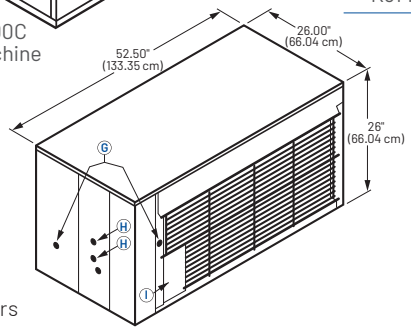
G Electrical Entrance (2) Options

H Optional Suction & Liquid Line connectors

I Suction & Liquid Line Connections



SYT3000C ice machine



CVDT3000-263 remote condenser shipping weight: 277 lbs (126 kgs)

Required Deflectors & Adapters	
Deflector	**Bin**
K00396	F1650
Filler Panel	**Bin**
K00391	all 48" & 60" wide F-style & non-Manitowoc
Adapter	**Bin**
K604800	F1325 & F1650
K614800	F1350

Ice Machine: (SYT3000C) + **Condensing unit** CVDT3000 + **Deflector** (K0391) + **Adapter** (K604800) + **Bin** (F1650) = **Package**

Standard Interconnecting Tubing

Model	Line Length	Weight
RC-34	30 ft (9.2 m)	47 lbs (21 kgs)
RC-54	50 ft (15.2 m)	73 lbs (33 kgs)

Condensing Unit Information and Dimensions:
- Maximum Line Length — 100 ft (30.5m).†
- Maximum Vertical Rise† — 35 ft (10.7 m) above ice machine.
- Maximum Vertical Drop — 15 ft (4.5 m) below ice machine.

†Rise over 20 ft (6 m) requires two (2) each S-Trap Kit K00166 - ordered separately.

SPACE-SAVING DESIGN



SYT3000C F1650

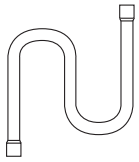
Height	101" 257 cm
Width	60" 152.4 cm
Depth*	31.0" 78.74 cm
Bin Storage	1,494 lbs 678 kgs

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, condensing unit, line set, and bin sold separately.

*Bin door snout adds 8" (20.3 cm) to the depth



S-Trap Kit K00166

SPECIFICATIONS

				Ice Production 24 Hours		@ 90° Air/70°F Water (32° Air/21°C Water)	
	Model	Ice Shape	Shipping Weight	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 (45.4 kgs) ice	Potable Water Usage per 100 lbs (45.4 kgs) ice†
Remote	SYT3000C	Half-Dice	508 lbs (230 kgs)	2,949 lbs (1,338 kgs)	2,363 lbs (1,072 kgs)	3.96 ★	14.33 gal (54 L)

Ice machine for use with ice storage bin or ice dispenser and CVD condensing unit all ordered separately.

★ Energy Star Model

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

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FROM PENTAIR WATER SOLUTIONS

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