INDIGO® NXT

QUIETQUBE® iT1430C

Manitowoc Remote Ice Cube Machine

IDT1430C | IYT1430C



IDT1430C Ice Cube Machine - 115V



CVDT1400 Condensing Unit

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 1,437 lbs (652 kgs) of daily ice production
- 26" (76.20 cm) wide, 24.50" (62.23 cm) deep, and 25.00" (63.5 cm) high

SPECIFICATIONS

Refrigerant: R410A

BTU Per Hour

- CVDT1400 Remote Condensing Unit: 17,800 (average) 20,500 (peak)

Compressor: Nominal Rating - 1.75 HP

Operating Limits

- iT1430C 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)
    - Min. 20 psi (137.9 kPA)
    - Max. 80 psi (551.1 kPA)
- CVDT1400 Remote Condensing Unit
  - Ambient temperature range: -20˚ to 120˚F (-29˚ to 48.9˚C)

Power

- iT1430C Ice Machine
  - 115/60/1 standard
  - Total Amps: 1.1
  - Maximum Fuse Size: 15 Amps
- CVDT1400 Remote Condensing Unit
  - 208-230/60/1 standard: 208-230/60/3
  - Minimum Circuit Ampacity: 20 1ph / 15 3ph
  - Maximum Fuse Size: 20 amps 1ph / 15 amps 3ph
- Notes:
  - HACR-type circuit breakers can be used in place of fuses.
  - QuietQube ice machine power supply is wired independent of CVD condensing unit.

FEATURES

- QuietQube Series Highlights
  - The remote system includes a condensing unit, refrigerant lines, ice machine head, and bin or dispenser, all ordered separately and compatible only with Manitowoc components.
  - Produces up to 1,437 lbs. (651 kg) of ice daily within a compact 30" width.
  - The remote design minimizes refrigeration noise for quiet operation.
  - The easyTouch® touchscreen simplifies user interaction.
  - Ice production can be scheduled by time, volume, or off-peak hours.
  - Cleaning is easy with a hinged door and antimicrobial components.
  - Smart diagnostics provide continuous maintenance alerts and troubleshooting.
  - A patented acoustical probe ensures reliable ice sensing across water conditions.
  - The DuraTech® exterior resists corrosion, fingerprints, and dirt.
  - The optional Luminlce® II system inhibits viruses, bacteria, mold, and yeast.
  - Active Sense technology maintains consistent ice harvests in any environment.

ACCESSORIES

- Luminlce® II Virus and Bacteria Inhibitor Controls viruses and bacteria in the ice machine.
- External Scoop Holder
  Protect the ice scoop with the NSF approved versatile scoop holder.
- iAuCS®
  Schedules and performs routine ice machine cleaning automatically
- Arctic Pure® Plus Water Filters
  Reduce sediments and chlorine contaminants down to 0.5 microns. Use with a pre-filter is recommended.



Luminice II



External Scoop Holder



iAuCS®



Arctic Pure Water Filters

Manitowoc
FROM PENTAIR WATER SOLUTIONS

QUIETCUBE iT1430C

Manitowoc Remote Ice Cube Machine

IDT1430C | IYT1430C

INSTALLATION

iT1430C Ice Machine
Ice machine must be installed indoors.

Required clearances top: 2" • sides: 8" • back: 5"

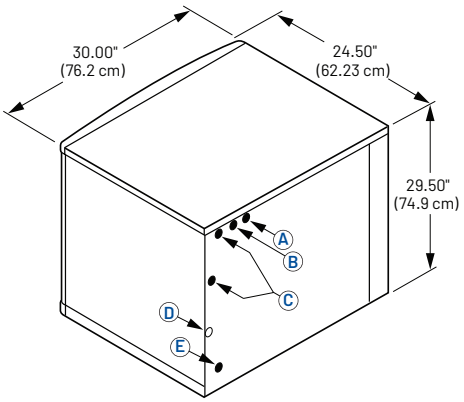
A Electrical Entrance

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

C Suction & Liquid Line Connections

D AuCS Accessory Knockout

E 1/2" (1.27 cm) F.P.T. Ice Making Water Drain

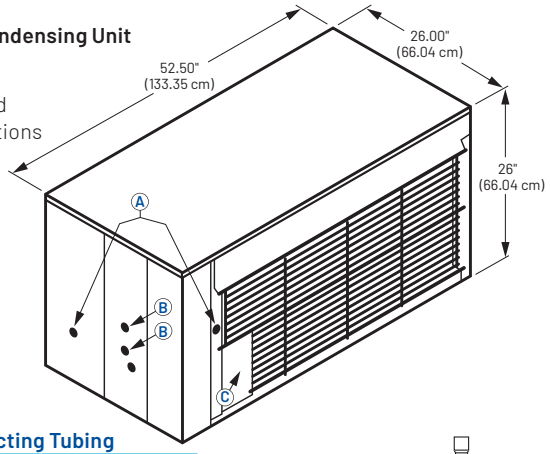


CVDT1400 Remote Condensing Unit

A Electrical Entrance

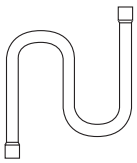
B Optional Suction and Liquid Line Connections

C Suction and Liquid Line Connections



Standard Interconnecting Tubing

Model	Line Length	Weight
RC-21	20 f. (6 m)	12 lbs (5 kgs)
RC-31	30 ft (9 m)	17 lbs (8 kgs)
RC-51	50 ft (15 m)	27 lbs (12 kgs)



S-Trap Kit K-00172

Condensing Unit Information and Dimensions:

- Maximum Line Length —100' (30.5 m).*
- Maximum Vertical Rise* —35' (10.7 m) above ice machine.
- Maximum Vertical Drop —15' (4.5 m) below ice machine.

*A rise over 20' (6 m) requires S-Trap Kit K-00172 - ordered separately.

SPECIFICATIONS

iT1430C Ice Machine		Ice Production 24 Hours				Power Usage kWh per 100 lbs (45.4 kgs) of ice	Potable Water Usage gal per100 lbs (45.4 kgs) ice†
Model	Ice Shape	70°Air/50°F Water 21°Air/10°C Water		90°Air/70°F Water 32°Air/21°C Water		@ 90° Air/70°F Water (32° Air/21°C Water)	
IDT1430C	Dice	1,320 lbs	599 kgs	1,120lbs	508 kgs	4.34	19.9 gal (75.33L)
IYT1430C	Half-Dice	1,437 lbs	652 kgs	1,210 lbs	549 kgs	4.10 ★	19.9 gal (75.33L)

Ice machine for use with ice storage bin or ice dispenser and CVD condensing unit all ordered separately.
kWh per 100 lbs. is total power of ice machine and condensing unit.
Ice machine is 1 ph only. Condensing unit is 1 ph or 3 ph.
†Ratings Certified in Accordance with AHRI Standard 810.

★ Energy Star Model

Limited Commercial 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

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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