INDIGO® NXT

# iP1000

## Manitowoc 50 Hz Ice Cube Machine

IDP1000A-251 | IDP1000W-251 | IYP1000A-251 | IYP1000W-251




Indigo NXT Series iP1000
Ice machine on D570C bin
Ice machine and bin sold separately.

50 Hz

## ICE SHAPES



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



- **Dice:**
  2.22 x 2.22 x 2.22 cm
  (7/8" x 7/8" x 7/8")

## SIZE

- Up to 510 kgs (1,122 lbs) of daily ice production

## SPECIFICATIONS

### Refrigerant: R290

- Air-cooled: 494 g
- Water-cooled: 430 g

### BTU Per Hour

- Air-cooled:
  - 8,490 (average)
  - 15,160 (peak)
- Water-cooled:
  - 7,386 (average)
  - 13,190 (peak)

### Compressor: Nominal rating 3 HP

### Operating Limits:

- Ambient temperature range: 4.4˚ to 43.3˚C (40˚ to 110˚F)
- Water temperature range: 4.4˚ to 32.2˚C (40˚ to 90˚F)
- Water pressure ice maker (water in)
  - Min. 137.9 kPA (20 psi)
  - Max. 551.1 kPA (80 psi)
- Water pressure condenser (water in)
  - Min. 137.9 kPA (20 psi)
  - Max. 1,902.95 kPA (276 psi)

### Power

230/50/1

- Instant Power
  - Air-cooled: 3,091 W
  - Water-cooled: 2,781 W
- Total Amps
  - Air-cooled: 13.44 ph
  - Water cooled: 12.09
- Maximum Fuse Size
  - Air-cooled: 25 amps
  - Water-cooled: 20 amps

## FEATURES

- Sanitation
  - Hinged front door and removable components (water trough, tube, curtain, probe, pump) allow easy interior access and cleaning.
  - Select parts feature AlphaSan® antimicrobial protection.
  - Durable 304 stainless steel exterior resists corrosion.
  - Optional LuminIce® Growth Inhibitor helps control bacteria and yeast, with status indicator on display.
- Sustainability & Value
  - R290 natural refrigerant offers high performance with low global warming potential.
  - Icon-based easyTouch® display simplifies operation.
  - Acoustical probe and Active Sense ensure consistent ice production.
  - 24-hour diagnostics support preventative maintenance.
  - Programmable ice production reduces energy costs.
  - Lower lifetime cost through reduced energy and water use.

## ACCESSORIES

- LuminIce® 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.
- 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



Arctic Pure Water Filters

Manitowoc
FROM PENTAIR WATER SOLUTIONS

# INDIGO NXT iP1000

## Manitowoc 50 Hz Ice Cube Machine

IDP1000A-251 | IDP1000W-251 | IYP1000A-251 | IYP1000W-251

## INSTALLATION

Minimum installation clearance:
Top/side: 20.32 cm (8")
Back is 12.7 cm (5")

Installation location must be indoors.

iP1000 on D570C storage bin

**A** Electrical Entrance (2) Options

**B** 3/8" (0.95 cm) F.P.T.
Water Condenser Inlet
(water-cooled units)

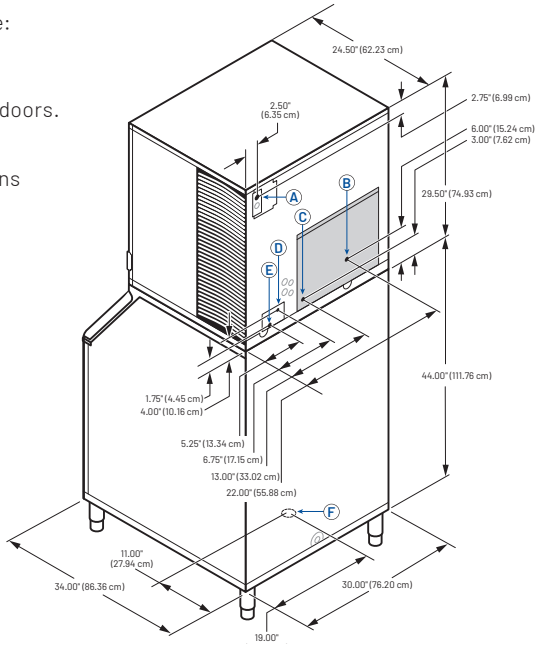
**C** 1/2" (1.27 cm) F.P.T.
Water Condenser Outlet
(water-cooled units)

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

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

**F** 3/4" (1.91 cm)
Bin Drain

1/2" (1.27 cm)
Auxiliary Base Drain Socket
(not shown)




## SPACE-SAVING DESIGN





| | iP1000 D570C | iP1000 D970C* |
|---|---|---|
| Height | 79.50" 201.93 cm | 79.50" 201.93 cm |
| Width | 30.0" 76.26 cm | 48.0" 121.9 cm |
| Depth | 34.0" 86.36 cm | 34.0" 86.36 cm |
| Bin Storage | 532 lbs 241 kgs | 822 lbs 400 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.

*040008037 bin adapter required when installing on a D970C bin

## SPECIFICATIONS

| | Model | Ice Shape | Shipping Weight | Ice Production 24 Hours: 70°Air/50°F Water 21°Air/10°C Water | | Ice Production 24 Hours: 90°Air/70°F Water 32°Air/21°C Water | | Power Usage kWh per 45.4 kgs of ice @ 90° Air/70°F Water | Potable water usage L per 45.4kgs ice (32° Air/21°C Water) |
|---|---|---|---|---|---|---|---|---|---|
| Air-cooled | IDP1000A-251 | Dice | 105 kgs | 1,097 lbs | 499 kgs | 985 lbs | 447 kgs | 5.07 | 55.07 L (14.55 gal) |
| Air-cooled | IYP1000A-251 | Half-Dice | 109 kgs | 1,108 lbs | 504 kgs | 1,010 lbs | 459 kgs | 4.98 | 54.8 L (14.49 gal) |
| Water-cooled† | IDP1000W-251 | Dice | 103 kgs | 1,091 lbs | 496 kgs | 1,001 lbs | 455 kgs | 4.22 | 56.5 L (14.94 gal) |
| Water-cooled† | IYP1000W-251 | Half-Dice | 108 kgs | 1,122 lbs | 510 kgs | 1,018 lbs | 463 kgs | 4.45 | 58.8 L (15.53 gal) |

† Water-cooled condenser water usage per 45.4 kgs (100 lbs) of ice: 474.7 L (125.4 gal).

Order separately: Ice storage bin for all units.
R290 is a refrigerant grade propane which is naturally occurring with no ozone depletion potential and extremely low global warming potential.

### 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

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