

# iT1900 Ice Cube Machine

## Models

- IRT1900A     IDT-1900A     IYT1900A     IDT1900W
- IYT1900W     IRT1900N     IDT1900N     IYT1900N



Indigo NXT Series iT1900 Ice Machine on D970 Bin

Designed for operators who know that ice is critical to their business, the Indigo NXT Series ice machine's preventative diagnostics continually monitor itself for reliable ice production. Improvements in cleanability and programmability make your ice machine easy to own and less expensive to operate.

- **New levels of Performance** – Showcasing an average of 14% lower energy consumption, 10% reduction in potable water usage and a 23% reduction in condenser water usage. This translates into lower cost of ownership over the life of your machine.
- **easyTouch<sup>®</sup> Display** - New icon based touch screen takes the guess work out of owning and operating an ice machine.
- **Programmable Ice Production** – Now its super easy to program your ice machine to be off at certain times of the day to save money with fluctuating electrical rates. Also programmable by daily ice production volume.
- **Easy to Clean Foodzone** – Easy Access front door panel. Removable water-trough, distribution tube, curtain, and sensing probes for fast and efficient cleaning. Select components made with AlphaSan<sup>®</sup> antimicrobial.
- **Intelligent Diagnostics** – Provides 24 hour preventative maintenance and diagnostic feedback for trouble free operation.
- **Acoustical Ice Sensing Probe** – Unique patented technology allows for reliable operation in challenging water conditions and environments
- **DuraTech<sup>®</sup> Exterior** – Provides superior corrosion resistant above stainless steel. Innovative clear-coat resists fingerprints and dirt making it easier to keep clean.
- Available **LuminIce<sup>®</sup> II Growth Inhibitor** – Controls the growth of bacteria and yeast within the Food zone keeping the machine cleaner longer. A new indicator in the display keeps you abreast of the operational status.

## Ice Machine Electric

208-230/60/1 standard  
(208-230/60/3 also available.)

### Minimum circuit ampacity:

Air-cooled:	17.9 1ph	14.2 3ph
Water-cooled:	16.5 1ph	12.8 3ph
Remote-cooled:	17.0 1ph	13.0 3ph

### Maximum fuse size:

Air-cooled:	30 1ph	20 3ph
Water-cooled:	25 1ph	20 3ph
Remote-cooled:	20 1ph	20 3ph

## Specifications

### Operating Limits:

**BTU Per Hour:**  
26,100 (average),  
and 30,500 (peak)

### Refrigerant:

R-410 CFC-free

- Ambient Temperature Range:  
40° to 110°F (4.4° 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)



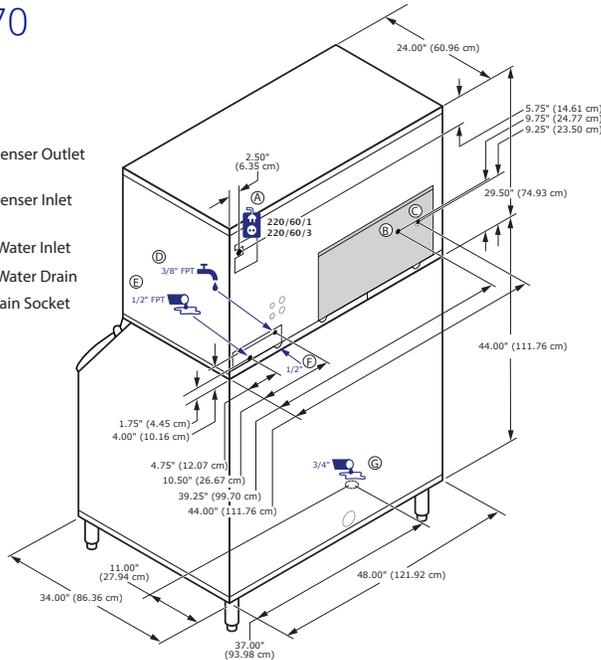
## Ice Shape





### iT1900 on D970 Storage Bin

- Ⓐ Electrical Entrance (2) Options
- Ⓑ 1/2" (1.27 cm) F.P.T. Water Condenser Outlet (water-cooled units)
- Ⓒ 3/8" (0.95 cm) F.P.T. Water Condenser Inlet (water-cooled units)
- Ⓓ 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
- Ⓔ 1/2" (1.27 cm) F.P.T. Ice Making Water Drain
- Ⓕ 1/2" (1.27 cm) Auxillary Base Drain Socket
- Ⓖ 3/4" (1.91 cm) Bin Drain



**Installation Note**

*Air Cooled clearance:*

- Top: 24" (61.0 cm)
- Sides: 24" (61.0 cm)
- Back: 5" (30.5 cm)

*Water Cooled clearance:*

- Top/Sides: 8" (20.3 cm)
- Back: 5" (12.7 cm)

### Space-Saving Design



	iT1900 D970
Height	79.50" / 201.90 cm
Width	48.00" / 121.92 cm
Depth	34.00" / 86.30 cm
Bin Storage	710lbs / 322.2 kgs

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

### Specifications

	Model	Ice Shape	Ice Production 24 Hours		Power Usage kWh/100 lbs. @90°Air/70°F	Potable Water Usage/100 lbs. 45.4 kgs. of Ice
			70°Air/ 50°F Water	90°Air/ 70°F Water		
AIR-COOLED	IRT1900A	regular	1,800 lbs.	1,350 lbs.	4.68	20 Gal.
			816 kgs	612 kgs		75.7 L
	IDT1900A	dice	1,900 lbs.	1,410 lbs.	4.64	20 Gal.
WATER-COOLED	IYT1900A	half-dice	1,900 lbs.	1,450 lbs.	4.48	20 Gal.
			845 kgs	661 kgs		75.7 L
	IDT1900W	dice	1,870 lbs.	1,600 lbs.	3.53	20 Gal.
REMOTE-COOLED	IYT1900W	half-dice	1,930 lbs.	1,670 lbs.	3.35	20 Gal.
			875 kgs	757 kgs		75.7 L
	IRT1900N	regular	1,760 lbs.	1,530 lbs.	4.08 ★	20 Gal.
REMOTE-COOLED	IDT1900N	dice	798 kgs	694 kgs	4.08 ★	75.7 L
			1,900 lbs.	1,540 lbs.		20 Gal.
	IYT1900N	half-dice	1,830 lbs.	1,560 lbs.	4.08 ★	20 Gal.
			830 kgs.	708 kgs		75.7 L

\* Water-cooled Condenser Water Usage / 100 lbs. /45.4 kgs. Of Ice: 140 gal./ 530 L.  
 \* Water-cooled models are excluded from ENERGY STAR qualification.  
 ★ ENERGY STAR®

### Accessories

**LuminIce® II Growth Inhibitor**  
 reduces yeast and bacteria growth for a cleaner ice machine.



**External Scoop holder**  
 Protect the ice scoop with the NSF approved versatile scoop holder.



**Arctic Pure® Water Filters**  
 Reduces sediment and chlorine odors for better tasting ice.



**iAUCS®**  
 schedules and performs routine ice machine cleaning automatically.



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



# Ice Storage Bins

## Model

- D320  
  D400  
  D420  
  D570  
  D970

## D Bins

.75" (1.90 cm) Bin drain



**D320**  
210 lbs. (95 kgs)  
*(Available January)*



**D400**  
290 lbs. (132 kgs)  
*(Available January)*



**D420**  
310 lbs. (141 kgs)  
*(Available January)*



Ergonomic NSF approved sanitary ice scoop included



**D570**  
430 lbs. (195 kgs)  
*(Available January)*



**D970**  
710 lbs. (323 kgs)

## D Bin Features

**New Sanitary Scoop** Ergonomic NSF approved sanitary ice scoop included with each bin. Built-in knuckle and thumb guard. Unique molded retaining lip allows maximum scooping every time. Per scoop capacity approximately 5.3/ lbs (2.4 kg)

**Scoop Holder options** New built-in scoop holder, keeps the ice scoop handle above the ice, or purchases the optional NSF approved External Scoop Holder Kit # K00461. (Available January 2018)

**New Door design** Clever built in side grips allow you to lift the bin door from anywhere you are standing (left, right or center) even when you have just one hand free.

### Foamed Insulated Door

Insulates the ice bin, reduces sweat on the door, helps keep ice lasting longer.

**Stay up door** Unique cammed bin door self-latch keeps the door in the open position and keeps the employee safe when scooping ice.

**Ergonomic Door design** Door is angled 53 degrees to allow for easier access to the ice in the bin especially when scooping from the bottom.

**Duratech Metal Finish** Manitowoc exterior material has better corrosion resistance than stainless steel, is smudge resistant and easy to keep clean.

**New Bin liner** Polyurethane Artic Blue bin liner accentuates the crisp clear ice from a Manitowoc Ice Machine.

## Warranty

Bin & Accessories: 3 Year Parts & Labor.

D Bin Model	D-Bin Capacities						D-Bin Dimensions					
	*Application Capacity		**2017 AHRI Capacity		**2018 AHRI Capacity		Height		Width		Depth	
	lbs.	kgs	lbs.	kgs.	Cu. ft	Cu. M	in.	cm	in.	cm	in.	cm
D320	264	119.90	210	95.25	8.9	0.25	38	96.5	22	55.9	34	86.4
D420	383	173.79	310	140.61	12.9	0.37	50	127	22	55.9	34	86.4
D400	365	165.70	290	131.54	12.3	0.35	38	96.5	30	76.2	34	86.4
D570	532	241.14	430	195.05	17.9	0.51	50	127	30	76.2	34	86.4
D970	882	400.11	710	322.05	29.7	0.84	50	127	48	121.9	34	86.4

\*Application Capacity is based on 90% of the volume x 33 lbs/ft<sup>3</sup> average density of ice. Ice must be managed  
 \*\*2017 Approved AHRI capacity is based on 80% of the total volume x 30 lbs/ft<sup>3</sup> average density of ice  
 \*\*\*2018 AHRI certified measurement for bin capacity

Above bin heights include leg height of 6" / 15.24 cm  
 All bins include sanitary plastic ice scoop and one set of adjustable (6 in to 7.75 in / 15.24 to 20.32 cm) chrome legs  
 External Scoop holder order separately Kit # 000461



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