

iF0600 Ice Cube Machine

iF0600 Ice Cube Machine

Model: ☐ IDF-0600A ☐ IYF-0600A ☐ IDF-0600W ☐ IYF-0600W ☐ IDF-0600N ☐ IYF-0600N



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.

- **easyTouch® 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** - Hinged front door swings out for easy access. Removable water-trough, distribution tube, curtain, and sensing probes for fast and efficient cleaning. Select components made with AlphaSan® antimicrobial.
- **Intelligent Diagnostics** - provide 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™ Exterior** - provides superior corrosion resistant above stainless steel. Innovative clear-coat resists fingerprints and dirt making it easier to keep clean.
- **Available LuminIce II Growth Inhibitor**- Controls the growth of bacteria and yeast with the food zone keep 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.
(230/50/1 also available)

Minimum circuit ampacity: Maximum fuse size:

Air Cooled: 11.1
Water Cooled: 10.7
Remote: 11.7

Air Cooled: 15
Water Cooled: 15
Remote: 15



Specifications

BTU Per Hour:

11,800 (average)
13,700 (peak)

Refrigerant:

R-404A CFC-free

Operating Limits:

- Ambient Temperature Range:
40° to 119° 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



Half Dice
3/8" x 1 1/8" x 7/8"
(.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)



COMPANY WITH
QUALITY SYSTEM



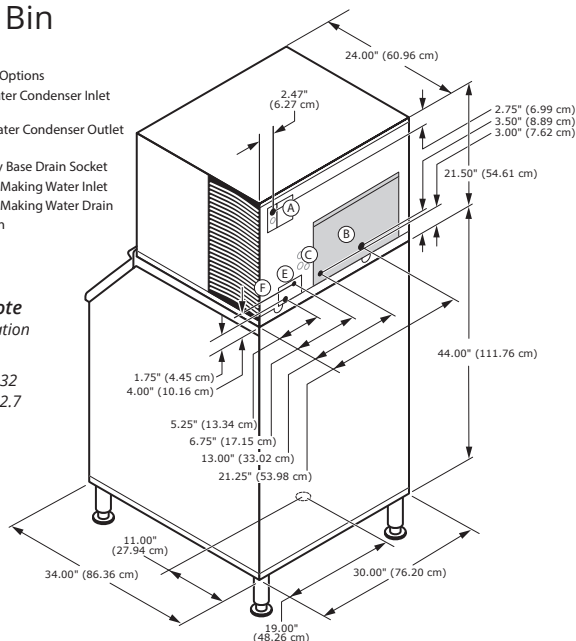
iF-600 on D-570 Storage Bin

- 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 1/2" (1.27 cm) Auxiliary Base Drain Socket
- E 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
- F 1/2" (1.27 cm) F.P.T. Ice Making Water Drain
- G 3/4" (1.91 cm) Bin Drain

Installation Note

Minimum installation clearance:

Top/sides: 8" (20.32 cm); Back is 5" (12.7 cm)









Space-Saving Designs



	iF-600 D-400	iF-600 D-570
Height	59.50" 151.13 cm	71.50" 181.61 cm
Width	30.00" 76.20 cm	30.00" 76.20 cm
Depth	34.00" 86.30 cm	34.00" 86.30 cm
Bin Storage	365 lbs. 165.7 kgs	543 lbs. 241.1 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

Specifications

			Ice Production 24 Hours		Power Usage kWh/100 lbs. @90°F Air/70°F	Potable Water Usage/100 lbs. 45.4 kgs of Ice
	Model	Ice Shape	70°F Air/ 50°F Water 21° Air/10°C Water	90°F Air/ 70°F Water 32° Air/21°C Water	1 Ph	
AIR-COOLED	IDF-0600A	dice 	632 lbs.	490 lbs.	5.41	20.0 Gal.
			287 kgs	222 kgs		75.7 L
	IYF-0600A	half-dice 	650 lbs.	555 lbs.	5.29	20.0 Gal.
			288 kgs	252 kgs		75.7 L
WATER-COOLED	IDF-0600W	dice 	661 lbs.	565 lbs.	4.54	20.0 Gal.
			300 kgs	261 kgs		75.7 L
	IYF-0600W	half-dice 	700 lbs.	580 lbs.	4.45	20.0 Gal.
			318 kgs	263 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.						
REMOTE-COOLED	IDF-0600N	dice 	612 lbs.	535 lbs.	5.85	20.0 Gal.
			278 kgs	243 kgs		75.70 L
	IYF-0600N	half-dice 	642 lbs.	565 lbs.	5.76	20.0 Gal.
			291 kgs	256 kgs		75.7 L

Order ice storage bin separately. Ice storage bin and JCF0900 remote condenser must be ordered separately. Consult remote condenser specification sheet for details.

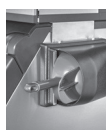
Accessories

LumiIce® 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.



Vertical Discharge Remote Condenser

for Indigo® NXT™ Series Ice Cube Machines with R404A refrigerant

Vertical Discharge Remote Condenser
for Indigo® NXT™ Series Ice Cube Machines with R404A refrigerant

Models

☐ JCF0900



JCF900
Remote Condenser

Standard Features

Vertical discharge remote condenser is available for Indigo NXT Series iF0600N and iF0900N ice machines. Refer to ice machine specification sheet for equipment dimensions, production capacities, electrical requirements, and ice storage bin compatibility.

Condenser operation range from -20°F (-29°C) to 120°F (49°C). Can be installed with up to 20" (50.8 cm) of bottom clearance.

Remote system consists of a remote condenser and interconnecting refrigerant lines. All components are pre-charged with refrigerant and have quick-connect fittings for convenient installation. Order ice cube machine, ice storage bin, vertical discharge remote condenser and line set separately.

Warranty

- 3-year parts and labor. See warranty statement for complete details.

Remote, air-cooled condenser system improves efficiency and ice production, conserving energy.

Manitowoc remote condenser systems effectively dissipate heat at a convenient location, indoors or outdoors, away from the ice machine. This maximizes ice-making capability and minimizes air conditioning loads by lowering the ambient air temperature at the ice machine.

Single Indigo Series Ice Machine	Remote Condenser
iF0600N	JCF0900
iF0900N	JCF0900

Installation Information and Dimensions

Maximum Location Distance - combined vertical and horizontal distances from ice machine to condenser must comply with guidelines.

Maximum Line Length: 100' (30 m)*

Maximum Vertical Rise: 35' (10.5 m) above ice machine.

Maximum Vertical Drop: 15' (4.5 m) below ice machine.

To calculate other acceptable horizontal and vertical combinations, refer to remote condenser installation instructions.

* Remote condenser has refrigerant charge for up to 50' (15 m) line length. Over 50' (15 m) requires additional refrigerant charge at time of installation.



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Electric

Electrical power to the remote condenser is intended to be supplied from the ice machine; however, if necessary, a separate electrical power source can be used.

Remote Indigo NXT Series Ice Machine

Indigo Model	Electrical Service*	Minimum Circuit Ampacity		Maximum Fuse size	
iF0600N	208-230/60/1	10.7		15	
iF0900N	208-230/60/1	12.2	9.7	20	15

* Shaded box indicates 3 phase. Consult factory.
HACR circuit breakers can be used in place of fuses.

Indigo NXT Series Remote Condensers with R404A Refrigerant

Condenser Indigo Model	Matching Ice Machine	Condenser		Weight	
		Electrical Service*	Amperage	lbs.	kgs.
JCF0900	iF0600N, iF0900N	208-230/60/1	1.0	78	35

* Consult factory. HACR circuit breakers can be used in place of fuses.

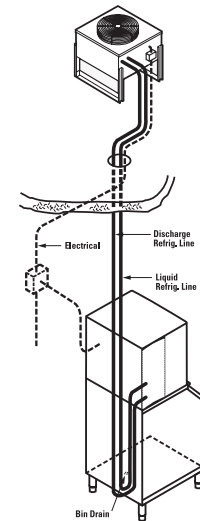
Standard Interconnecting Refrigerant Lines

Model	Line Length		Weight	
	ft.	m.	lbs.	kgs.
RT-20-R404A	20	6.07	10	4.54
RT-35-R404A	35	10.67	15	6.8
RT-50-R404A	50	15.24	22	9.98

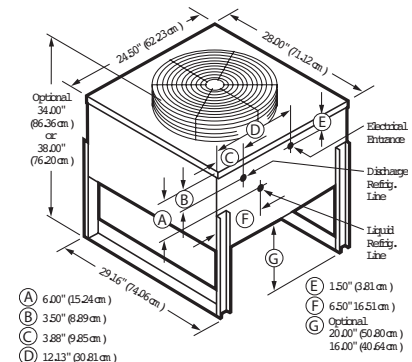
Order "RT" line sets separately for iF0600N and iF0900N

The line sets above are pre-charged and come with quick connect fittings.

Typical Installation



JCF0900 Remote Condenser





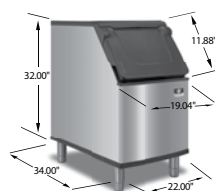
Ice Storage Bins

Model

☐ D320
 ☐ D400
 ☐ D420
 ☐ D570
 ☐ D970

D Bins

.75" (1.90 cm) Bin drain



D320
210 lbs. (95 kgs)



D570
430 lbs. (195 kgs)



D400
290 lbs. (132 kgs)



D970
710 lbs. (323 kgs)



D420
310 lbs. (141 kgs)



Ergonomic NSF approved
sanitary ice scoop included

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/ft³ average density of ice. Ice must be managed

**2017 Approved AHRI capacity is based on 80% of the total volume x 30 lbs/ft³ 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



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

D Bins

Indigo Ice Machines Series												
Machine			iT420	iT620	i300	iT450	iT500	iF600, iF600C	iF900, iF900C	iT1200, iT1200C	iF1400C iF1800C iF2100C	iT1500, iT1900
Machine Capacity @90/70 F			375	465	240	378	440	555, 530	710, 714	950, 1000	1200 1470 1600	1360 1455
Bins	Bin Cap	Width	22"	22"	30"	30"	30"	30"	30"	30"	30"	48"
D320	210	22"	*	*								
D420	290	22"	*	*								
D400	310	30"	K00472	K00472	*	*	*	*	NR	NR	NR	
D570	430	30"	K00472	K00472	*	*	*	*	*	*	NR	
D970	710	48"	NR	NR	NR	K00470	K00470	K00470	K00470	K00470	K00471 + K00470	*

Manitowoc Flaker and Nugget Machines											
		Machine	RNS0308 & RNF320	RF50300 &RFF320	RNF620	RFF0620	RNF1020	RFF1220	RNF1100	RFF1300	RFF2200C
Machine cap			251	286	451	540	825	958	825	874	1702
Bins	Bin cap	Width	22"	22"	22"	22"	22"	22"	30"	30"	36.7"
D320	210	22"	*	*	NR	NR	NR	NR			
D420	310	22"	*	*	*	*	NR	NR			
D400	290	30"	K00472	K00472	K00472	K00472	NR	NR	NR	NR	
D570	430	30"	NR	K00472	K00472	K00472	NR	NR	*	*	
D970	710	48"	NR	NR	K00473	K00473	K00473 if 2 used.	K00473 if 2 used.	K00470	K00470	K00470

An optional adapter is required when putting a narrower ice machine on a wider bin.

* No adapter is needed

NR= Not Recommend. Bin too small or too large for application.

Putting a wider machine on narrower bin is not an option.

Machines side by side must be water cooled or remote.

Bin Capacity shown in lbs using the AHRI rating base on 80% of total volume x 30lb/ft³ average density of ice.

Machine capacity shown in lbs/24hrs using the AHRI rating base at 90F ambient, 70F water temperature

Available Accessories

See price book for replacement: scoops, legs, specialty legs and casters

K00146 Convenient Ice Bagger

Includes bagger, D-bin adapter, and 250 bags and ties (Not for D320 or D400) Order K00068 replacement bags



K00461 External Scoop Holder

NSF approved. Can be mounted on the left or right side of bins, horizontally or vertically or on a wall.



K00463 Metal Scoop

Indestructible NFS approved aluminum alloy with sanitary knuckle and thumb guard. Works with K00461 external scoop holder or hangs inside the D-Bin series. Limited life time guarantee. (Available October 2018)



K00462 Secure Fastening Kit

Securely fast the Indigo® ice machine head to the pre-drilled inserts on the back of the D-bin series. Stainless steel flanged feet attach to bin and can be screwed to the floor

