

ICE MACHINES

Quick Reference Guide



I need ice.

That's why I choose Manitowoc.

Manitowoc® Ice has built its reputation on developing the most innovative and reliable ice solutions for the foodservice industry. Solutions you'll find no where else. And, with the largest ENERGY STAR® portfolio in the industry,* our ice machines are not only dependable, they are energy efficient. No one knows ice better than Manitowoc. That's why we are America's number one selling ice machine.

Our flagship ice machines, the Indigo™ and NEO™ are no exceptions. Both Indigo and NEO use modern advancements in technology to simplify everything we've ever known about making ice. Now your ice machine can tell you what it is doing and ensure that you have ice when and where you need it.

Features like Indigo and NEO's tool-free foodzone, patented EasyClean, programmability or time delay features, and service messages or indicators help ensure that your ice machine consistently meets your demand for ice.

Manitowoc Ice offers one of the largest portfolios of ice machines in the foodservice industry. Gourmet cube, regular cube, dice, half dice, flake, nugget, and crushed – from 24 kg of ice to 1,203 kg – whatever your ice needs are; we have the solution.



 **Manitowoc** 

HALF DICE



Hard, clear ice cube with unique "rhomboid" shape 0.95 x 2.86 x 2.22 cm in dimension, 210 cubes per kilo of ice, maximum cooling with nearly 100% ice to water ratio.



DICE



Hard, clear ice cube with unique "rhomboid" shape 2.22 x 2.22 x 2.22 cm in dimension, 105 cubes per kilo of ice, maximum cooling with nearly 100% ice to water ratio.



REGULAR



Hard, clear ice cube with unique "rhomboid" shape 2.86 x 2.86 x 2.22 cm in dimension, 70 cubes per kilo of ice, maximum cooling with nearly 100% ice to water ratio.



NUGGET



Perfect for chewing, and blended beverages while dry enough (90% ice to water ratio) to be dispensed. 0.95 to 1.27 cm in width and length on average.



FLAKE



Small, soft pieces of ice with a 73% ice to water ratio. Ideal for food, presentation, and preservation as well as hand scooping into drinks.



GOURMET



Hard, clear, individual ice cube with unique octagon shape 3.49 x 3.49 cm in dimension, maximum cooling with nearly 100% ice to water ratio.



A man with dark hair, wearing a black button-down shirt and khaki pants, stands with his arms crossed next to a large, silver industrial machine. The machine has a control panel with a blue button and a small logo. The background shows a factory or industrial setting with stacks of grey containers.

Why do I love my Indigo?

In the end it was the EasyRead display.

INDIGO®

Intelligent thinking inside the box.

intelligence

It all starts with the EasyRead™ display and all the things you can do with it:

- View continuous operational status
- Get Alerts and Reminders
- Obtain asset information
- View Historical and real time data
- Get Preventive and Diagnostic information
- Collect and record service data
- Download service data to machine
- Operates in 14 different languages.

cleanability

Indigo is the easiest machine to clean in the industry:

- Front facing evaporator
- Clean rounded foodzone for fast wipe downs
- Tool free part removal of all foodzone components
- Alpha San components to prevent the growth of microbes
- Advanced sanitation- LuminIce™ and iAuCS®

energy efficient

Indigo leads the way in energy efficiency and life time cost of ownership with more than 70 energy star models to choose from. Includes energy saving features:

- Programmable ice production
- Patented air assist harvest technology
- Patented Acoustical Ice sensing probe
- Water miser feature



Scan this barcode with your smart phone
for a direct link to **MTWindigo.com**



22" Wide Cubers – To Fit Tight Spaces

The Indigo series ice machine offers some of the industries lowest profile ice makers for venues where real estate is scarce. These slender 56 cm wide models produce up to 211 kg, and can be installed on a variety of bins, hotel dispensers, and counter top beverage dispensing systems—ensuring that you have ice no matter the space constraints.



i-322
A-320 Bin



i-522
A-420 Bin

Ice Production*	DICE	HALF DICE	DICE	HALF DICE
	21°C air / 10°C water	146 kg	152 kg	207 kg
32°C air / 21°C water	98 kg	100 kg	150 kg	162 kg
Ice Storage	95 kg		141 kg	
Height with Bin	151.1 cm		181.6 cm	
Width	55.9 cm		55.9 cm	
Depth with Bin	86.4 cm		86.4 cm	

*Kilos produced per day. Approximate ice-making capacity based on air-cooled condenser unit. Ice machine and bin ordered separately.



**i-450
A-400 Bin**



**i-500
A-400 Bin**



**i-606
A-570 Bin**

Ice Production*	DICE	REGULAR	DICE	HALF DICE
	21°C air / 10°C water 32°C air / 21°C water	183 kg 139 kg	218 kg 161 kg	275 kg 231 kg
Ice Storage	132 kg	132 kg	195 kg	
Height with Bin	151.1 cm	151.1 cm	181.6 cm	
Width	76.2 cm	76.2 cm	76.2 cm	
Depth with Bin	86.4 cm	86.4 cm	86.4 cm	

30" Wide Cubers – Our Regular Machines

By far the most popular size ice machine in the industry—Indigo’s 76.2 cm platform offers the widest array of daily production, cube types, and condensing options available on the market today. With production capacities ranging from 139 kg to 525 kg, three available cube types, and condensing options that include air, water, traditional air remote, and Manitowoc’s patented QuietQube CVD remote technology, this series has an ice machine for just about every situation whether in a full-service restaurant, a fast-food chain, a convenience or grocery store, or in the world’s finest hotel. Manitowoc ensures that you have ice when and where you need it.



Available on i-500 only



i-906
A-570 Bin



i-1106
A-570 Bin



i-1200
A-570 Bin

i-906		i-1106		i-1200	
DICE	HALF DICE	DICE	HALF DICE	DICE	HALF DICE
381 kg	409 kg	497 kg	523 kg	479 kg	525 kg
289 kg	309 kg	368 kg	379 kg	379 kg	405 kg
195 kg		195 kg		195 kg	
194.3 cm		194.3 cm		201.9 cm	
76.2 cm		76.2 cm		76.2 cm	
86.4 cm		86.4 cm		86.4 cm	

*Kilos produced per day. Approximate ice-making capacity based on air-cooled condenser unit. Ice machine and bin ordered separately.



**i-1400
A-970 Bin**

Ice Production*	DICE	HALF DICE	
	21°C air / 10°C water	653 kg	675 kg
	32°C air / 21°C water	503 kg	514 kg
Ice Storage	322 kg		
Height with Bin	194.3 cm		
Width	121.9 cm		
Depth with Bin	86.4 cm		

48" Wide Cubers – The Big Guys

When you need a lot of ice and space isn't as big a concern Manitowoc also has a range of large capacity cubers that offer daily production rates from 703 kg to 1,533 kg. These machines are popular in fast-food outlets, full-service restaurants, institutional kitchens, cafeterias, and other large venues like stadiums and casinos. When you need ice, and you need a lot of it Manitowoc has your solution.



**i-1800
A-970 Bin**



**S-3070
F-1300 Bin**

i-1800 A-970 Bin		S-3070 F-1300 Bin
DICE	HALF DICE	DICE
801 kg	810 kg	1203 kg
623 kg	634 kg	991 kg
322 kg		600 kg
201.9 cm		252.73 cm
121.9 cm		121.9 cm
86.4 cm		78.74 cm SNOUT ADDS 20 CM

*Kilos produced per day. Approximate ice-making capacity based on air-cooled condenser unit. Ice machine and bin ordered separately.



**i-322
SFA-191**

Ice Storage	54 kg
Height with Dispenser	191.8 cm
Width	55.9 cm
Depth with Dispenser	78.7 cm

Ice Dispensers



Room Card
(ex factory)



Coin-op
(ex factory)

These automatic-fill, floor-standing ice dispensers meet the strict sanitary needs of the lodging, foodservice, and healthcare industries. Capable of providing 289 kg of dispensed ice in a 24 hour period, the SPA dispensers feature a patented “push for ice” dispense mechanism and paddlewheel ice delivery. The SFA models add a built-in water valve for filling buckets, cups or refillable bottles. Attractively styled to complement any décor and available with room card or coin option for ice activation.



HALF DICE



DICE



REGULAR



**i-322
SPA-160**

54 kg

191.8 cm

55.9 cm

78.7 cm



**i-450
SFA-291**

82 kg

208.3 cm

76.2 cm

81.3 cm



**i-450
SPA-310**

82 kg

208.3 cm

76.2 cm

81.3 cm

Ice machine and adapters ordered separately.

A whole new level of thinking.



NEO™

The anywhere you need ice machine.

A new level of **performance**

- Manitowoc reliability
- Industry leading 24 hour ice production
- All air-cooled models are ENERGY STAR® qualified* and 15% more energy efficient and 10% more water efficient than standard undercounter models

A new level of **intelligence**

- Universally recognizable, easy-to-read display icons with bright, neon blue indicator lights
- Time delayed ice production

A new level of **convenience**

- Removable bin, for front service access
- EZ glide, angled bin door
- LuminIce accessory compatible
- Improved scoop & holder inside the bin



www.manitowocice.com/NEO

*Based on ENERGY STAR qualifying models list June 23, 2014



QM-45



U-140

Ice Production*	DICE	DICE	HALF DICE
	21°C air / 10°C water 40 kg	55 kg	55 kg
	32°C air / 21°C water 28 kg	41 kg	41 kg
Ice Storage	14 kg	40.8 kg	
Height	91.4 cm	97.8 cm	
Width	50 cm	66 cm	
Depth	56.7 cm	71.1 cm	

Undercounter Cubers – The Little Guys

These compact ice cube machines are ideal for small-volume ice production, for limited-use needs, or as back-ups for larger machines. Specifically designed to fit beneath counters or in areas where floor space or height restrictions prohibit use of larger equipment. The petite size makes any of these models ideal for on-the-spot installations at coffee shops, stadium boxes, refreshment/break areas, or wherever limited ice needs require equipment with a small footprint.



Available on U-140, U-190, U-240, and U-310



Available on all undercounters



Available on U-310



U-190



U-240



U-310

U-190		U-240		U-310		
DICE	HALF DICE	DICE	HALF DICE	DICE	HALF DICE	REGULAR
79 kg	79 kg	87 kg	87 kg	132 kg	135 kg	120 kg
60 kg	60 kg	68 kg	68 kg	103 kg	107 kg	93 kg
36.6 kg		36.6 kg		45 kg		
97.8 cm		97.8 cm		97.8 cm		
66 cm		66 cm		76.2 cm		
71.1 cm		71.1 cm		71.5 cm		

*Kilos produced per day. Approximate ice-making capacity based on air-cooled condenser unit.



RNS-12⁺

RNS-20⁺

RNS-0244⁺

RNS-0385⁺

Ice Production*					
21°C air / 10°C water	118 kg	118 kg	78 kg	136 kg	
32°C air / 21°C water	84 kg	84 kg	53 kg	112 kg	
Ice Storage	5 kg	9.1 kg	18 kg	40 kg	
Height with Bin	89.9 cm	106.7cm	84.24 cm	100.4 cm	
Width with Bin	41.3 cm	41.3 cm	50 cm	73.81 cm	
Depth with Bin	61 cm	61 cm	66 cm	69 cm	

Nugget Ice Machines

Manitowoc nugget machines provide a high quality, chewable ice that boasts a 90% ice content—one of the industry's highest ice/water ratios. This means minimal drink dilution, and a nugget ice that is perfect for use with drink dispensing applications. Manitowoc nugget is also ideal for specialty blended beverages, as well as filling many uses in healthcare from ice/water needs to cold therapy.



RNS-0308[†]
A-420 Bin



RNS-0600[†]
A-420 Bin



RNS-1000[†]
A-570 Bin

	143 kg 114 kg	266 kg	474 kg
	141 kg	141 kg	195 kg
	193.04 cm	193.04 cm	196.50 cm
	55.8 cm	55.8 cm	76.2 cm
	86.36 cm	86.36 cm	86.36 cm

*Kilos produced per day. Approximate ice-making capacity based on air-cooled condenser unit. †Ex factory item.



Ice Production*
21°C air / 10°C water
32°C air / 21°C water

Ice Storage

Height

Width

Depth

Undercounter Flakers

When it comes to food preservation, a cool presentation can lead to cold, hard profits. Not only does your product need to look good and stay fresh, the ice needs to look good too. Manitowoc flake ice machines offer quick cooling, moldable flakes. Small, soft pieces of ice with a 73% ice to water ratio form around objects without bruising and hold in place without tipping or spilling. Perfect for food and beverage presentation and hand scooping into drinks.



RF-0266A



RF-0385A



RF-0644A

	77 kg 63 kg	152 kg 122 kg	312 kg 231 kg
	27 kg	40 kg	54 kg
	95.24 cm	100.4 cm	116.70 cm
	50 cm	73.81 cm	74.10 cm
	66 cm	69 cm	67.80 cm

*Kilos produced per day. Approximate ice-making capacity based on air-cooled condenser unit .



**RFS-0300
A-420 Bin**



**RFS-0650
A-420 Bin**

Ice Production*	21°C air / 10°C water	174 kg	305 kg
	32°C air / 21°C water	130 kg	248 kg
Ice Storage		141 kg	141 kg
Height with Bin		193 cm	193 cm
Width with Bin		55.90 cm	55.90 cm
Depth with Bin		86.36 cm	86.36 cm

Modular Flakers

When it comes to food preservation, a cool presentation can lead to cold, hard profits. Not only does your product need to look good and stay fresh, the ice needs to look good too. Manitowoc flake ice machines offer quick cooling, mouldable flakes. Small, soft pieces of ice with a 73% ice to water ratio form around objects without bruising and hold in place without tipping or spilling. Perfect for food and beverage presentation and hand scooping into drinks.



RFS-1200
A-570 Bin

545 kg
396 kg

195 kg

196.60 cm

76.20 cm

86.36 cm



RF-2300
F-1300 Bin

1,039 kg
779 kg

600 kg

231.30 cm

121.90 cm

78.74 cm
SNOUT ADDS 20 CM

*Kilos produced per day. Approximate ice-making capacity based on air-cooled condenser unit. Ice machine and bin ordered separately.



A-320



A-400

Ice Storage	95 kg	132 kg
Height	96.5 cm	96.5 cm
Width	55.9 cm	76.2 cm
Depth	86.4 cm	86.4 cm

Ice Storage Bins

Internal scoop holder stays above ice line, promoting easy access and better sanitation. Bin door holds open while in use via a patented hinge pin design.

PVC Base Molding

Protects metal from dents and scratches when cleaning beneath bin.



A-model bin leg



A-420

141 kg

127 cm

55.9 cm

86.4 cm



A-570

195 kg

127 cm

76.2 cm

86.4 cm



A-970

322 kg

127 cm

121.9 cm

86.4 cm

Ice machine and adapters ordered separately.



Large Capacity Bins

F-Style large capacity ice storage bins are equipped with an ice gate for increased employee safety, easier ice removal, and reduced spillage. 3-year parts and labour warranty on bins.



F-700



F-1300



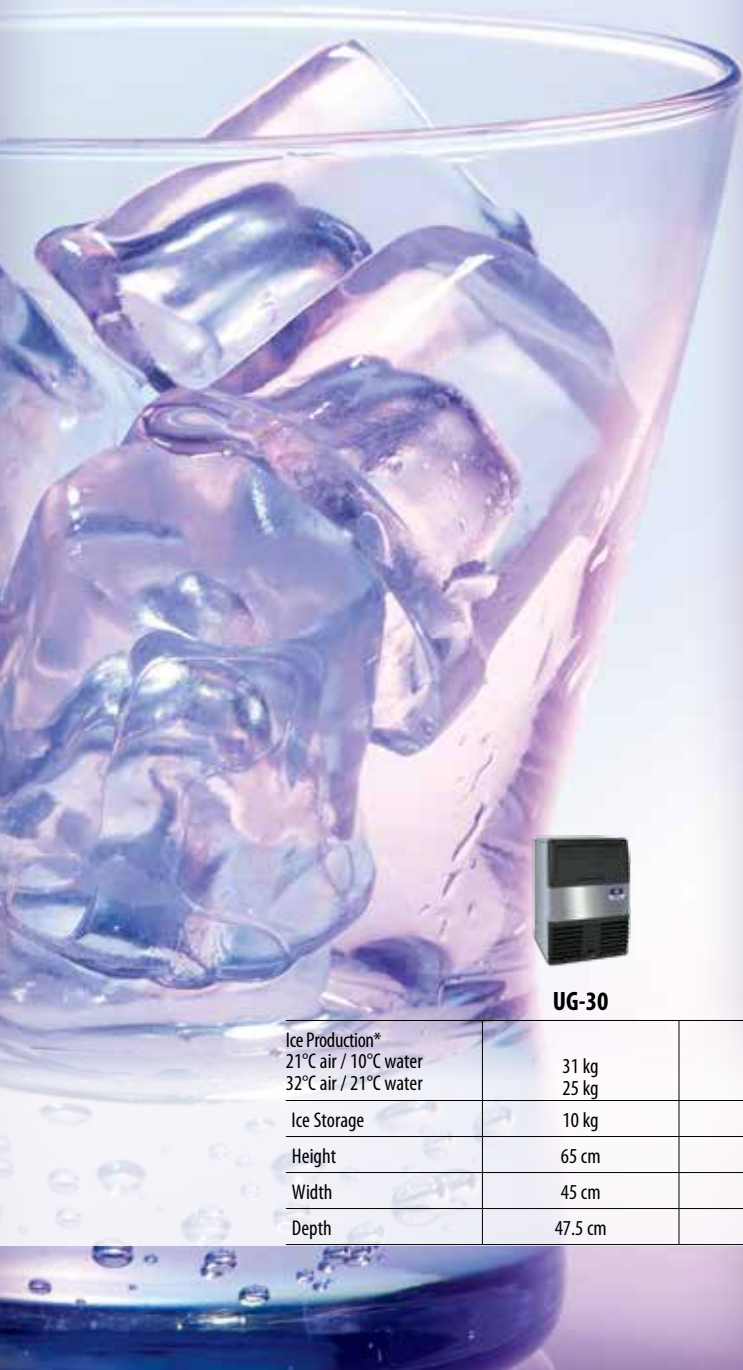
F-1325



F-1650 (ex factory)

	F-700	F-1300	F-1325	F-1650 (ex factory)
Ice Storage	308 kg	599 kg	601 kg	753 kg
Height	148.59 cm	161.29 cm	138.43 cm	161.29 cm
Width	76.20 cm	121.90 cm	152.40 cm	152.40 cm
Depth	78.74 cm	78.74 cm	78.74 cm	78.74 cm

Ice machine and adapters ordered separately.



UG-30

Ice Production*		
21°C air / 10°C water	31 kg	
32°C air / 21°C water	25 kg	
Ice Storage	10 kg	
Height	65 cm	
Width	45 cm	
Depth	47.5 cm	

Undercounter Spray Cubers

Sotto is the perfect solution for venues where just a few large cubes in the glass is preferred--restaurants, bars, cafes, coffee shops, and delis. Specifically designed for the international market, Sotto provides a robust 20 gram Gourmet style cube with a unique octagonal shape. Sotto produces 25 to 85 kg of ice daily and provides up to 44 kg of ice storage.



SOTTO™

The clear and simple choice.



UG-50



UG-65



UG-80

	UG-50	UG-65	UG-80
	57 kg 43 kg	65 kg 58 kg	85 kg 67 kg
	25 kg	44 kg	44 kg
	80 cm	90 cm	90 cm
	55 cm	70 cm	70 cm
	55 cm	60 cm	60 cm

*Kilos produced per day. Approximate ice-making capacity based on air-cooled condenser unit.



Sustainability

At Manitowoc® Ice we strive to be a responsible manufacturer, industry leader, and employer, not only for this generation, but for future generations. We routinely engage our customers, industry partners, employees, strategic suppliers, domestic and international government agencies and associations, and the communities that we serve around the world.



The EnerLogic™ program helps operators conserve energy and maximise profits. Look for our EnerLogic™ mark and you'll know you're getting the most from every energy dollar spent on Manitowoc foodservice equipment. This

program incorporates a combination of third-party standards, including meeting or exceeding California Energy Commission rebate standards, or meeting criteria outlined by the Federal Energy Management Program, including those that:

- Incorporate new energy-saving technology
- Involve renewable energy
- Demonstrate water efficiency and/or
- Feature sustainable design and operations



Less Energy. Less Water.

Manitowoc Ice Machines earn the ENERGY STAR®

Commercial ice machines that have earned the ENERGY STAR are on average 15% more energy efficient and 10% more water efficient than standard models. Manitowoc Ice leads the way with dozens of qualifying ice machines that meet and exceed ENERGY STAR guidelines.

Visit www.manitowocice.com/energystar for a complete list of Manitowoc's ENERGY STAR-qualified ice machines.

Ice Usage Guide

Foodservice	Approximate Ice Cube Needs Per Day
Restaurant.....	0.68 kg per person
Cocktail.....	1.4 kg per person/seat
Water Glass.....	118 ml per 296 ml glass
Salad Bar.....	13.6 kg per cubic foot
Fast Food.....	148 ml per 207-296 ml drink
	237 ml per 355-473 ml drink
	355 ml per 532-710 ml drink

Lodging

Guest Ice.....	2.7 kg per room
Restaurant.....	0.68 kg per person/seat
Cocktail.....	1.4 kg per person/seat
Catering.....	0.45 kg per person

Convenience Store

Beverage.....	177 ml per 355 ml drink
	296 ml per 591 ml drink
	473 ml per 946 ml drink
Cold Plate.....	50% more ice per day
Packaged Ice.....	kgs per bag x bags sold per day

Healthcare

Cafeteria.....	0.45 kg per person
Patient Ice.....	SN12: Up to 20 beds

Beverage Service

Drinks.....	40% ice per drink x number of drinks served on peak day
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For proper sizing assistance, please reference our ice machine calculator at www.manitowocice.com/icecalc

Quality Assurance

Before crating and shipment, every Manitowoc ice cube machine is operated for a minimum of two ice-making cycles. During this testing, inspectors record the serial number, air and water temperatures, humidity, freeze times, and harvest times as part of their final inspection. Ongoing reviews of this test data assure that Manitowoc ice machines consistently meet the highest standards of quality.

ISO 9001:2008 Quality System Certified

Quality is the #1 consideration at Manitowoc. Our company-wide commitment to quality makes us especially proud of our certification to ISO 9001:2008 quality standards and our position as North America's first ISO-certified manufacturer of ice machines.



Listings



Commercial Warranty

Cube Ice Machine

- 5-year parts-and-labour coverage on Indigo, S, U and I-model ice machine evaporators.
- 5-year parts and 3-year labour coverage on Indigo, S, U and I-model ice machine compressor.
- 3-year parts-and-labour coverage on all dispensers, storage bins, and Indigo, S, U and I-model ice cube machines.

QM Series Ice Machine

- 3-year parts-and-labour coverage on all components.

UG Series Ice Machine

- 2-year parts and 1-year labour.

SN Series Ice Machine

- 3-year parts-and-labour coverage on all components.

RF/RFS/RN/RNS Ice Machines

- 3-year parts.
- 2-year labour.
- Compressor parts for 5 years and labour for 2 years.

RNS Countertop Nugget Ice Machine

- 2-year parts-and-labour coverage on all components.
- Compressor parts for 5 years and labour for 2 years.

Residential Warranty

All Ice Machines

- 1-year parts-and-labour

Category	MODEL	Ice type	Ice production per 24hrs (kgs)		Power Supply req	Energy Star	Integral Bin. (Ice storage in kgs)	Suitable bin/dispenser combinations														
			21°C air/10°C water	32°C air/21°C water				A-320	A-400	A-420	A-570	A-970	F-700	F-1300	F-1325	SPA160	SFA-191	SPA-310	SFA-291			
											Ice Storage Capacity (kgs)											
								95	132	141	195	322	308	599	601	54	54	82	82			
Undercounter	RNS-0244A	Nugget			10A/1ph		√ (18)															
Nugget Ice	RNS-0385A	Nugget			10A/1ph		√ (40)															
Modular Nugget Ice	RNS-0308A	Nugget			15A/1ph					√												
	RNS-0600A	Nugget			15A/1ph					√												
	RNS-1000A	Nugget									√											
Undercounter Flakers	RF-0266A	Flake	77	63	10A/1ph		√ (27)															
	RF-0385A	Flake	152	122	10A/1ph		√ (40)															
	RF-0644A	Flake	312	231	10A/1ph		√ (54)															
Modular Flakers	RFS-0300A	Flake	174	130	15A/1ph					√												
	RFS-0650A	Flake	305	248	15A/1ph					√												
	RFS-1200A	Flake	545	396	15A/1ph					√												
	RF-2300A	Flake	1039	779	15A/3ph (hard wired)								√									
Ice Dispensers	SPA-160	Dice/Half Dice	N/A	N/A	10A/1ph		√ (54)															
	SFA-191 (ex factory)	Dice/Half Dice	N/A	N/A	10A/1ph		√ (54)															
	SPA-310	Dice/ Half Dice/ Gourmet	N/A	N/A	10A/1ph		√ (82)															
	SFA-291 (ex factory)	Dice/ Half Dice/ Gourmet	N/A	N/A	10A/1ph		√ (82)															

*1 Requires K00370 Adaptor plate

*2 Requires K00405 Adaptor plate

*3 For use with 'JC' remote condenser

*4 For use with CVD 3085 remote condensing unit

*5 Requires K00391 Ice Deflectors (set of 2)

*6 Requires K482500 Adaptor plate



America's #1 Selling Ice Machine



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