



# HOSHIZAKI

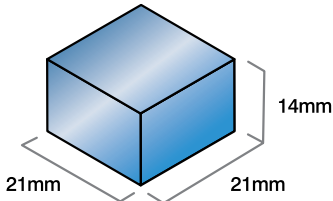
*Leading Naturally*

Ice Makers, Dispensers & Crushers | Storage Bins & Transport Systems | Sushi Cases

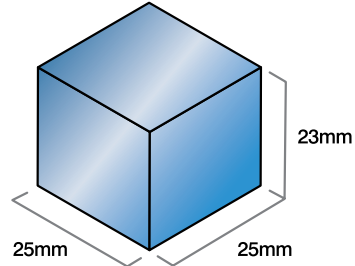


# Ice Sizes & Shapes

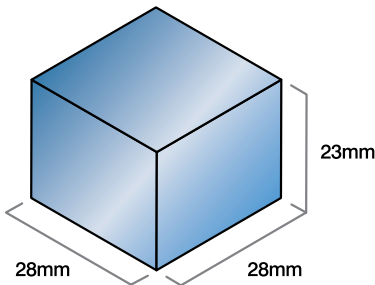
Ice Sizes listed are approximations.



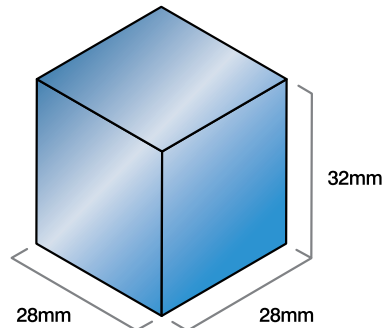
**Extra Small - 6g\***  
Model Type - 21



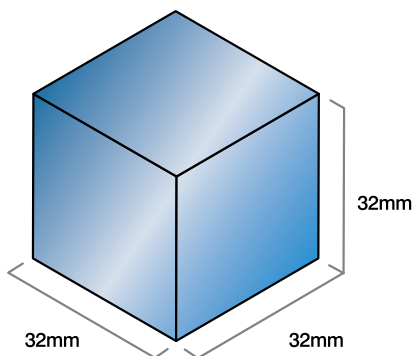
**Small - 13g\***  
Model Type - 25



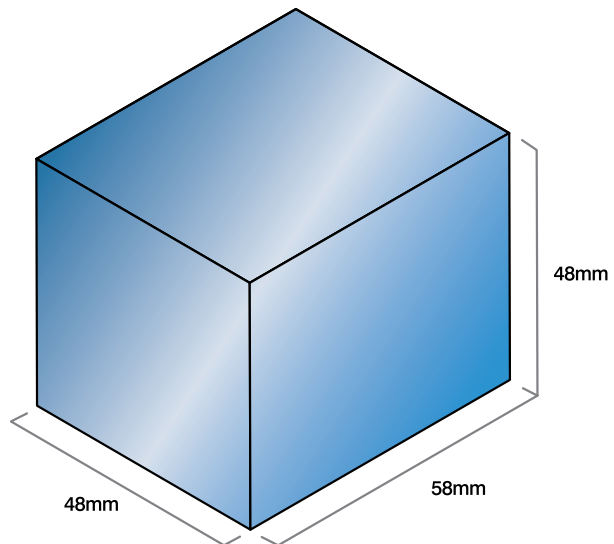
**Medium - 17g\***  
Model Type - 23



**Standard (L) - 23g\***  
Standard Model Type

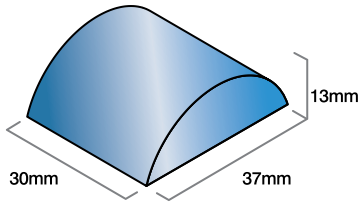


**Extra Large - 31g\***  
Model Type - 32

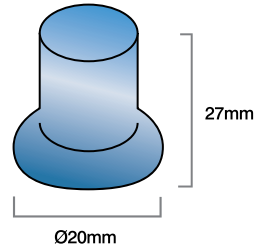


**Big Cube - 120g\***  
Model Type - LM

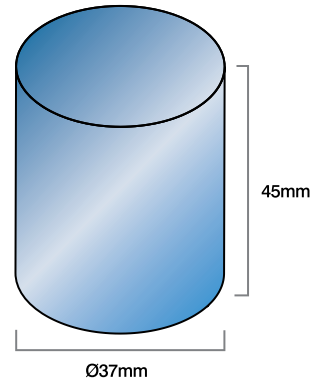
\*Size of Ice Cube is reflected in product names of the IM Range.



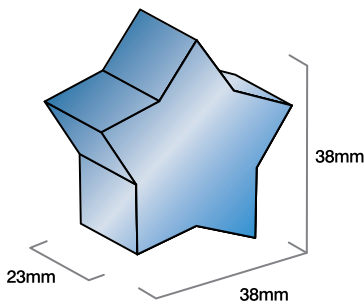
**Crescent - 9g**



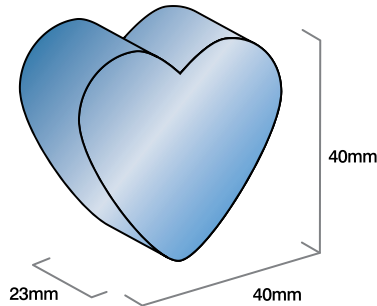
**Top Hat - 13g**



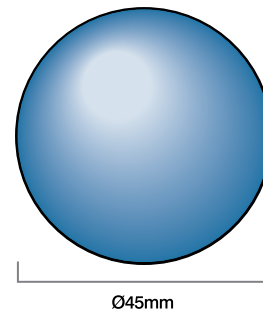
**Cylinder - 42g  
Model Type - C**



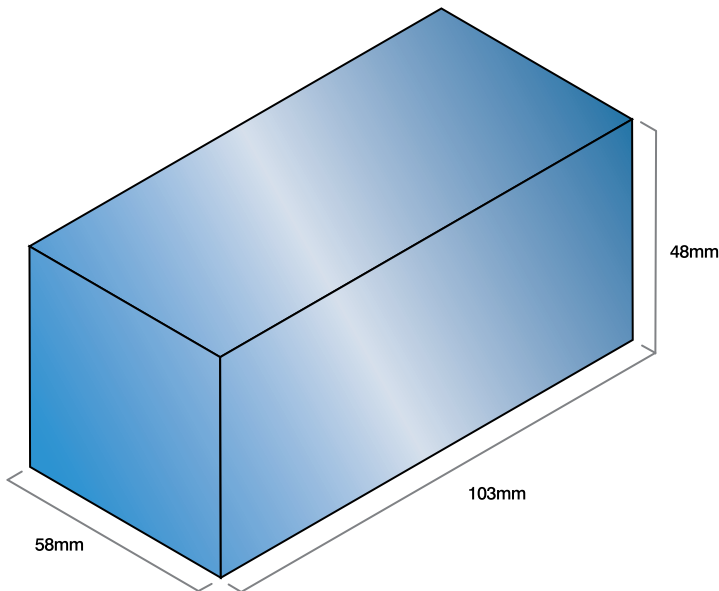
**Star - 18g  
Model Type - S**



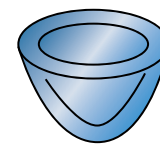
**Heart - 25g  
Model Type - H**



**Ball - 45g  
Model Type - Q**



**Long Cube (XXXL) - 240g  
Model Type - LM103**



**Shuttle - 3g**

Please Note: Flake and Nugget Ice are excluded.



# Energy & Cost Savings 41,5%

Hydrocarbon Technology with Big Sustainability Credentials

## EXAMPLE

### The Modular IM-240ANE-HC

The IM-240ANE-HC is a modular ice maker that produces up to 235kg of Cube Ice per 24hrs.

Uses 147g of R290 Hydrocarbon complying with Standard EN60335-2-24, allowable charge of 150g.

### How does the IM-240ANE-HC compare?

We have compared two models using the same ice production but with different gases: Hydrofluorocarbon (HFC), and the eco-friendly HFC-free Hydrocarbon gas.

### Energy Savings Calculation

An example calculation has been made comparing the IM-240ANE and the HFC free IM-240ANE-HC. Ice consumption of 100kg is used for the purpose of comparison.

#### Analysis:

The HFC free IM-240ANE-HC outperforms the IM-240ANE-HFC, demonstrating both operational and environmental benefits.

#### Hoshizaki's IM-240ANE-HC consumes:

- 8.2 kWh/100kg less energy.\*
- 7014.28kW less energy p/a.\*
- IM-240ANE-HC uses **41.5%** less energy.\*

Please contact your local sales branch to receive your own cost savings calculation (based on local/national utility costs).



\*Figures above are based on internal research and comparisons between Hoshizaki models (Production Capacity (kg/24h): AT 32°C, WT 21°C).



## IM Product Highlights

The unique IM Range of Ice Makers is designed with hygiene as a priority. Each ice cycle is made with fresh water, ensuring only the highest quality of ice is produced. This is particularly important for ice that is used in premium beverages like cocktails, as it protects the integrity and flavour of the drink.



- Hoshizaki IM Ice makers utilise an ice making system that has an automatic rinse cycle. After every new batch of ice, the water reservoir will drain and refill with fresh water. The system comes with a magnetic water pump that has no direct coupling, which prevents any leakage.



- A stainless steel exterior with integrated door handles provides a hygienic and high quality finish.



- Removable door gaskets prevent any heat and contamination from entering the bin and make the Hoshizaki product easy to clean and maintain.



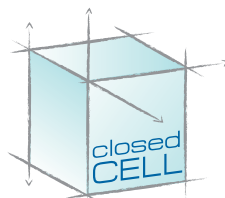
- A closed water circuit offers the ultimate contamination protection, by reducing the number of points at which impurities can enter the ice making process.



- An easily cleanable air filter allows users to carry out a routine cleaning schedule themselves, extending the life expectancy of your Hoshizaki ice maker, and cutting the frequency and cost of maintenance call-outs.



- Ice makers are electronically controlled so the ice making process is optimised under varying circumstances without the need for physical adjustments. This means the quality of ice is always consistent.
- The natural foaming agent insulates and preserves the quality and consistency of the ice produced longer than any other machine available. This reduces the number of production cycles, saving energy and money.

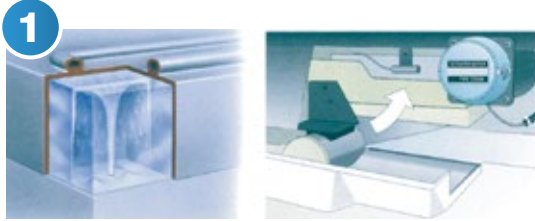




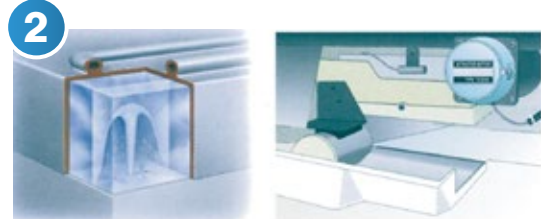


# Our Unique Closed Cell System

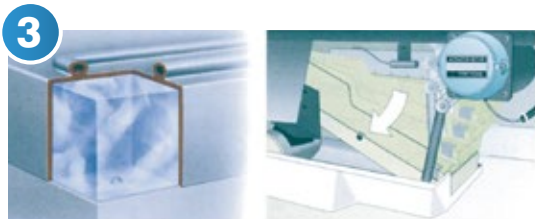
## The Ice Production Process



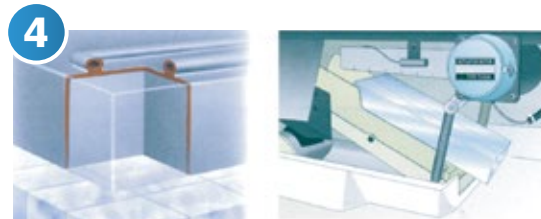
With the water plate closed against the underside of the evaporator, the water circuit is closed to both outside contamination and water loss under normal circumstances. Crucially, each cube is made individually by a dedicated jet spray to ensure the highest possible ice quality.



As the ice cube slowly forms the spray continues until the end of the cycle. No fresh water is required as the internal reservoir capacity is adequate for a full cycle of ice.



When the cube is fully formed the electronic controller initiates a hot gas defrost cycle. The water plate opens and the hot gas slowly warms the evaporator. At this point all remaining water from the ice making cycle is drained.



The ice will drop from the evaporator into the ice bin. The water plate will be rinsed with fresh water to remove any remaining particles before it starts to close again. Fresh water continues to enter until the reservoir is full to enable a new freeze cycle to commence.





## IM-21CNE-HC

Production Capacity (kg/24h) Approx.	25
Storage Bin Capacity (kg) Approx.	11,5
Dimensions W x D x H (mm)	398 x 451 x 695
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,23
Refrigerant	R290
Weight Gross / Net (kg)	39/34
Air Cooled Model(s)	IM-21CNE-HC
Type of Ice - Large Cube	IM-21CNE-HC
Optional Legs (mm)	90 - 135 extra



## IM-30CNE-HC

Production Capacity (kg/24h) Approx.	30				
Storage Bin Capacity (kg) Approx.	11,5				
Dimensions W x D x H (mm)	398 x 451 x 695 (Legs add 92-127mm)				
Electrical Supply	1/220 - 240V/50Hz				
Electrical Capacity (kW)	0,23				
Refrigerant	R290				
Weight Gross / Net (kg)	39/34				
Air Cooled Model(s)	IM-30CNE-HC, IM-30CNE-HC-25				
Type of Ice	<table border="1"> <tr> <td>Large Cube</td> <td>IM-30CNE-HC</td> </tr> <tr> <td>Small Cube</td> <td>IM-30CNE-HC-25</td> </tr> </table>	Large Cube	IM-30CNE-HC	Small Cube	IM-30CNE-HC-25
Large Cube	IM-30CNE-HC				
Small Cube	IM-30CNE-HC-25				



## IM-45CNE-HC

Production Capacity (kg/24h) Approx.	46				
Storage Bin Capacity (kg) Approx.	15				
Dimensions W x D x H (mm)	633 x 511 x 690 (Legs add 90-125mm)				
Electrical Supply	1/220 - 240V/50Hz				
Electrical Capacity (kW)	0,28				
Refrigerant	R290				
Weight Gross / Net (kg)	55/45				
Air Cooled Model(s)	IM-45CNE-HC, IM-45CNE-HC-25				
Type of Ice	<table border="1"> <tr> <td>Large Cube</td> <td>IM-45CNE-HC</td> </tr> <tr> <td>Small Cube</td> <td>IM-45CNE-HC-25</td> </tr> </table>	Large Cube	IM-45CNE-HC	Small Cube	IM-45CNE-HC-25
Large Cube	IM-45CNE-HC				
Small Cube	IM-45CNE-HC-25				

• Data shows the standard HC model • Production capacity (kg/24h): AT 10°C, WT 10°C.

## IM-45NE-HC

Production Capacity (kg/24h) Approx.	46
Storage Bin Capacity (kg) Approx.	18
Dimensions W x D x H (mm)	503 x 456 x 840 (Legs add 90-125mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,28
Refrigerant	R290
Weight Gross / Net (kg)	50/44
Air Cooled Model(s)	IM-45NE-HC, IM-45NE-HC-25
Type of Ice	Large Cube Small Cube
	IM-45NE-HC IM-45NE-HC-25



## IM-65NE-HC

Production Capacity (kg/24h) Approx.	62
Storage Bin Capacity (kg) Approx.	26
Dimensions W x D x H (mm)	633 x 506 x 840 (Legs add 90-125mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,32
Refrigerant	R290
Weight Gross / Net (kg)	60/50
Air Cooled Model(s)	IM-65NE-HC, IM-65NE-HC-25
Type of Ice	Large Cube Small Cube
	IM-65NE-HC IM-65NE-HC-25



## IM-100CNE-HC

Production Capacity (kg/24h) Approx.	105
Storage Bin Capacity (kg) Approx.	38
Dimensions W x D x H (mm)	1004 x 600 x 800 (Legs add 100mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,50
Refrigerant	R290
Weight Gross / Net (kg)	88/77
Air Cooled Model(s)	IM-100CNE-HC, IM-100CNE-HC-23, IM-100CNE-HC-32
Type of Ice	Large Cube Medium Cube Extra Large Cube
	IM-100CNE-HC IM-100CNE-HC-23 IM-100CNE-HC-32



• Data shows the standard HC model • Production capacity (kg/24h): AT 10°C, WT 10°C.





## IM-100NE-HC

Production Capacity (kg/24h) Approx.	105	
Storage Bin Capacity (kg) Approx.	50	
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs add 70-110mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,56	
Refrigerant	R290	
Weight Gross / Net (kg)	84/76	
Air Cooled Model(s)	IM-100NE-HC, IM-100NE-HC-23	
Type of Ice	Large Cube	IM-100NE-HC
	Medium Cube	IM-100NE-HC-23



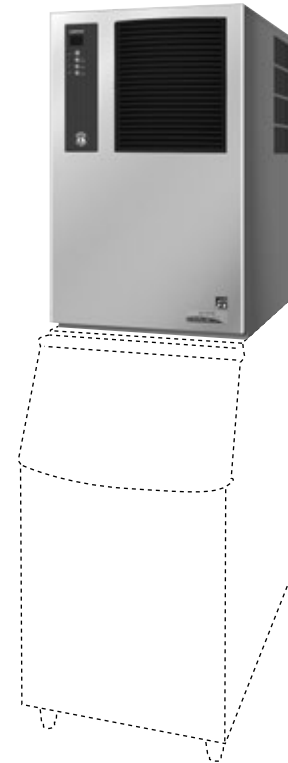
## IM-130NE-HC

Production Capacity (kg/24h) Approx.	125	
Storage Bin Capacity (kg) Approx.	50	
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs add 70-110mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,615	
Refrigerant	R290	
Weight Gross / Net (kg)	85/76	
Air Cooled Model(s)	IM-130NE-HC, IM-130NE-HC-23	
Type of Ice	Large Cube	IM-130NE-HC
	Medium Cube	IM-130NE-HC-23

• Data shows the standard HC model • Production capacity (kg/24h): AT 10°C, WT 10°C.

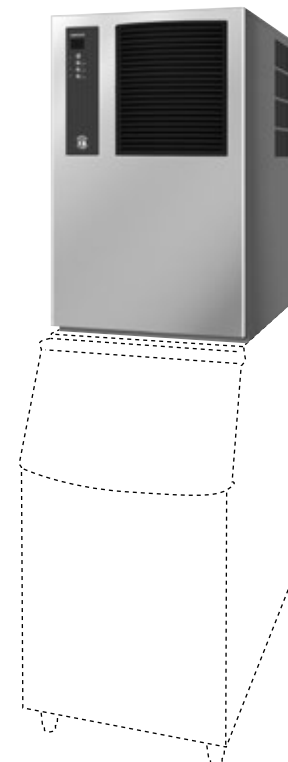
## IM-130ANE-HC

Production Capacity (kg/24h) Approx.	125	
Dimensions W x D x H (mm) Approx.	560 x 700 x 880	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,63	
Refrigerant	R290	
Weight Gross / Net (kg)	79/68	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	IM-130ANE-HC, IM-130ANE-HC-23	
Type of Ice	Large Cube	IM-130ANE-HC
	Medium Cube	IM-130ANE-HC-23



## IM-240ANE-HC

Production Capacity (kg/24h) Approx.	235	
Dimensions W x D x H (mm) Approx.	560 x 700 x 880	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,93	
Refrigerant	R290	
Weight Gross / Net (kg)	89/78	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	IM-240ANE-HC, IM-240ANE-HC-21, IM-240ANE-HC-23, IM-240ANE-HC-32	
Type of Ice	Medium Cube	IM-240ANE-HC-23
	Large Cube	IM-240ANE-HC
	Extra Small Cube	IM-240ANE-HC-21
	Extra Large Cube	IM-240ANE-HC-32



• Data shows the standard HC model • Production capacity (kg/24h): AT 10°C, WT 10°C.



## IM-240NE-HC

Production Capacity (kg/24h) Approx.	210
Storage Bin Capacity (kg) Approx.	110
Dimensions W x D x H (mm)	704 x 665 x 1510 (Legs add 70-110mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,93
Refrigerant	R290
Weight Gross / Net (kg)	120/107
Air Cooled Model(s)	IM-240NE-HC
Type of Ice - Large Cube	IM-240NE-HC

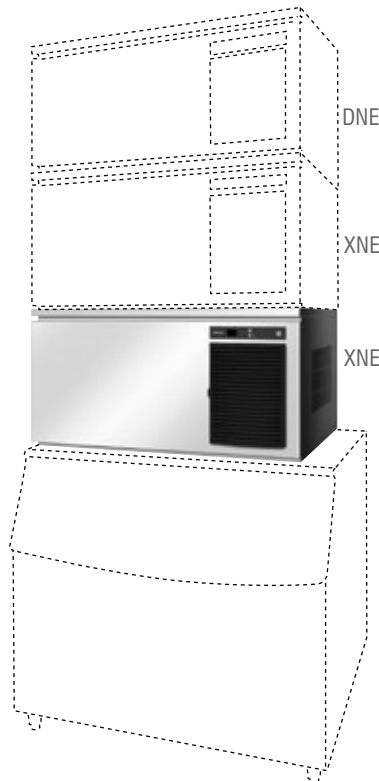
Available from April 2017



## IM-240DNE-HC/IM-240XNE-HC

Production Capacity (kg/24h) Approx.	210
Dimensions W x D x H (mm)	1084 x 700 x 500
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,93
Refrigerant	R290
Weight Gross / Net (kg)	96/82
Corresponding Bins	B-801SA, F650, 950/1025
Top Kits	See page 66 for Configurations
Air Cooled Model(s)	IM-240DNE-HC, IM-240XNE-HC
Type of Ice - Large Cube	IM-240DNE-HC, IM-240XNE-HC

Available from April 2017



\*These products can be produced upon customer request. Please take longer lead times into consideration.

\*\*IM-240XNE extension machine for 480kg (DNE+XNE) or 720kg (DNE+2x XNE).

It is possible to stack the IM-240DNE on top of two IM-240XNE for a higher production capacity.

• Data shows the IM-240DNE • Production capacity (kg/24h): AT 10°C, WT 10°C.



## IM-21CNE

Production Capacity (kg/24h) Approx.	22
Storage Bin Capacity (kg) Approx.	11,5
Dimensions W x D x H (mm)	398 x 451 x 695
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,24
Refrigerant	R134a - CO2: 157kg
Weight Gross / Net (kg)	39/34
Air Cooled Model(s)	IM-21CNE
Type of Ice - Large Cube	IM-21CNE
Optional Legs (mm)	90 - 135 extra



## IM-30CNE

Production Capacity (kg/24h) Approx.	28	
Storage Bin Capacity (kg) Approx.	11,5	
Dimensions W x D x H (mm)	398 x 451 x 695 (Legs add 92-127mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,27	
Refrigerant	R134a - CO2: 186kg	
Weight Gross / Net (kg)	39/34	
Air Cooled Model(s)	IM-30CNE, IM-30CNE-25	
Water Cooled Model(s)	IM-30CWNE, IM-30CWNE-25	
Type of Ice	Large Cube	IM-30CNE, IM-30CWNE
	Small Cube	IM-30CNE-25, IM-30CWNE-25

Products available as 60Hz models: IM-30CNE\*, IM-30CWNE\*



## IM-45CNE

Production Capacity (kg/24h) Approx.	44	
Storage Bin Capacity (kg) Approx.	15	
Dimensions W x D x H (mm)	633 x 511 x 690 (Legs add 90-125mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,32	
Refrigerant	R134a - CO2: 229kg	
Weight Gross / Net (kg)	56/48	
Air Cooled Model(s)	IM-45CNE, IM-45CNE-25	
Type of Ice	Large Cube	IM-45CNE
	Small Cube	IM-45CNE-25

Products available as 60Hz models: IM-45CNE\*



\*These products can be produced upon customer request. Please take longer lead times into consideration.

• Data shows the standard air cooled model • Production capacity (kg/24h): AT 10°C, WT 10°C.



## IM Ice Makers - Self Contained

www.hoshizaki-europe.com



### IM-45NE

Production Capacity (kg/24h) Approx.	44	
Storage Bin Capacity (kg) Approx.	18	
Dimensions W x D x H (mm)	503 x 456 x 840 (Legs add 90-125mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,33	
Refrigerant	R134a - CO2: 229kg	
Weight Gross / Net (kg)	52/46	
Air Cooled Model(s)	IM-45NE, IM-45NE-25	
Water Cooled Model(s)	IM-45WNE, IM-45WNE-25	
Type of Ice	Large Cube	IM-45NE, IM-45WNE
	Small Cube	IM-45NE-25, IM-45WNE-25

Products available as 60Hz models: IM-45NE\*, IM-45NE-25\*, IM-45WNE-25\*, IM-45WNE\*



### IM-65NE

Production Capacity (kg/24h) Approx.	63	
Storage Bin Capacity (kg) Approx.	26	
Dimensions W x D x H (mm)	633 x 506 x 840 (Legs add 90-125mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,40	
Refrigerant	R134a - CO2: 286kg	
Weight Gross / Net (kg)	61/53	
Air Cooled Model(s)	IM-65NE, IM-65NE-25	
Water Cooled Model(s)	IM-65WNE, IM-65WNE-25	
Type of Ice	Large Cube	IM-65NE, IM-65WNE
	Small Cube	IM-65NE-25

Products available as 60Hz models: IM-65NE\*, IM-65NE-25\*, IM-65WNE\*, IM-65WNE-25\*



### IM-100CNE

Production Capacity (kg/24h) Approx.	95	
Storage Bin Capacity (kg) Approx.	38	
Dimensions W x D x H (mm)	1004 x 600 x 800 (Legs add 100mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,63	
Refrigerant	R134a - CO2: 400kg	
Weight Gross / Net (kg)	88/77	
Air Cooled Model(s)	IM-100CNE, IM-100CNE-23, IM-100CNE-21*	
Type of Ice	Large Cube	IM-100CNE
	Medium Cube	IM-100CNE-23
	Extra Small Cube	IM-100CNE-21*

Product also available as 60Hz model

\*These products can be produced upon customer request. Please take longer lead times into consideration.

• Data shows the standard air cooled model • Production capacity (kg/24h): AT 10°C, WT 10°C.





## IM-100NE

Production Capacity (kg/24h) Approx.	95	
Storage Bin Capacity (kg) Approx.	50	
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs add 70-110mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,63	
Refrigerant	R134a - CO2: 400kg	
Weight Gross / Net (kg)	85/76	
Air Cooled Model(s)	IM-100NE, IM-100NE-23, IM-100NE-21*	
Water Cooled Model(s)	IM-100WNE, IM-100WNE-23, IM-100WNE-21*	
Type of Ice	Large Cube	IM-100NE, IM-100WNE
	Medium Cube	IM-100NE-23, IM-100WNE-23
	Extra Small Cube	IM-100NE-21*, IM-100WNE-21*

Products available as 60Hz models: IM-100NE\*, IM-100NE-21\*, IM-100NE-23\*, IM-100WNE\*, IM-100WNE-21\*



## IM-130NE

Production Capacity (kg/24h) Approx.	130	
Storage Bin Capacity (kg) Approx.	50	
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs add 70-110mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,70	
Refrigerant	R404A - CO2: 1490kg	
Weight Gross / Net (kg)	85/76	
Air Cooled Model(s)	IM-130NE, IM-130NE-23, IM-130NE-21*	
Water Cooled Model(s)	IM-130WNE, IM-130WNE-21, IM-130WNE-23	
Type of Ice	Large Cube	IM-130NE, IM-130WNE
	Medium Cube	IM-130NE-23, IM-130WNE-23
	Extra Small Cube	IM-130NE-21*, IM-130WNE-21



\*These products can be produced upon customer request. Please take longer lead times into consideration.

• Data shows the standard air cooled model • Production capacity (kg/24h): AT 10°C, WT 10°C.



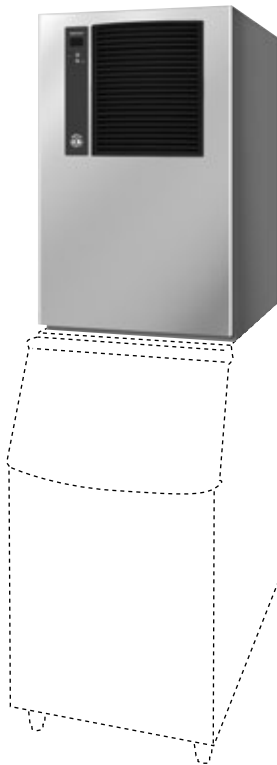
# IM Ice Makers - Self Contained and Modular

www.hoshizaki-europe.com



## IM-240NE

Production Capacity (kg/24h) Approx.	240	
Storage Bin Capacity (kg) Approx.	110	
Dimensions W x D x H (mm)	704 x 665 x 1510 (Legs add 70-110mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	1,32	
Refrigerant	R404A - CO2: 1960kg	
Weight Gross / Net (kg)	128/111	
Air Cooled Model(s)	IM-240NE, IM-240NE-23, IM-240NE-21*	
Water Cooled Model(s)	IM-240WNE, IM-240WNE-23	
Type of Ice	Large Cube	IM-240NE, IM-240WNE
	Medium Cube	IM-240NE-23, IM-240WNE-23
	Extra Small Cube	IM-240NE-21*



## IM-240ANE

Production Capacity (kg/24h) Approx.	240	
Dimensions W x D x H (mm) Approx.	560 x 700 x 880	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	1,32	
Refrigerant	R404A - CO2: 1882kg	
Weight Gross / Net (kg)	95/80	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	IM-240ANE, IM-240ANE-23, IM-240ANE-21*	
Water Cooled Model(s)	IM-240AWNE, IM-240AWNE-23	
Type of Ice	Large Cube	IM-240ANE, IM-240AWNE
	Medium Cube	IM-240AWNE-23
	Extra Small Cube	IM-240ANE-21*

Products available as 60Hz models: IM-240ANE, IM-240AWNE\*, IM-240AWNE-23\*, IM-240AWNE-21\*

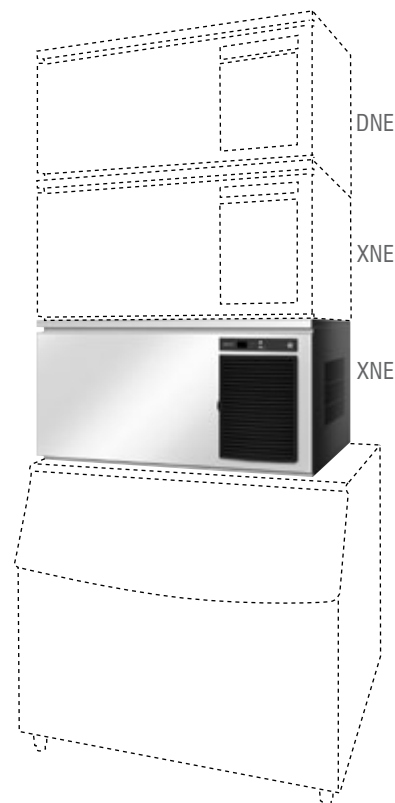
\*These products can be produced upon customer request. Please take longer lead times into consideration.  
 • Data shows the standard air cooled model • Production capacity (kg/24h): AT 10°C, WT 10°C.



## IM-240D(W)NE / IM-240X(W)NE / IM-240DSNE\* / IM-240XSNE\*

Production Capacity (kg/24h) Approx.	240/480/720**	
Dimensions W x D x H (mm)	1084 x 700 x 500	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	1,33	
Refrigerant	R404A - CO2: 1882kg	
Weight Gross / Net (kg)	101/88	
Corresponding Bins	B-801SA, F650, 950/1025	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	IM-240DNE, IM-240DNE-23, IM-240DNE-21* IM-240DNE-32*, IM-240XNE, IM-240XNE-23 IM-240XNE-21*, IM-240XNE-32*, IM-240ANE*	
Water Cooled Model(s)	IM-240DWNE, IM-240DWNE-23* IM-240DWNE-21*, IM-240DWNE-32* IM-240XWNE, IM-240XWNE-23*, IM-240XWNE-21*, IM-240XWNE-32*	
Air Cooled Model(s) With External Condenser	IM-240DSNE* , IM-240DSNE-23* IM-240XSNE* , IM-240XSNE-23*	
Type of Ice	Large Cube	IM-240DNE, IM-240XNE, IM-240DWNE, IM-240XWNE, IM-240DSNE* , IM-240XSNE*
	Medium Cube	IM-240DNE-23, IM-240XNE-23, IM-240DWNE-23* ,IM-240XWNE-23* IM-240DSNE-23* , IM-240XSNE-23*
	Extra Small Cube	IM-240DNE-21* , IM-240XNE-21* , IM-240DWNE-21* , IM-240XWNE-21*
	Extra Large Cube	IM-240DNE-32* , IM-240XNE-32* IM-240DWNE-32* , IM-240XWNE-32*
Remote Condenser	URC-240CE	
Extension Machines	IM-240XNE, IM-240XNE-23, IM-240XNE-21* , IM-240XNE-32* , IM-240XWNE, IM-240XWNE-23* , IM-240XWNE-21* , IM-240XWNE-32* , IM-240XSNE* , IM-240XSNE-23*	

Products available as 60Hz models: IM-240DNE\*, IM-240DNE-21\*, IM-240DNE-23\*



\*These products can be produced upon customer request. Please take longer lead times into consideration.

\*\*IM-240XNE extension machine for 480kg (DNE+XNE) or 720kg (DNE+2x XNE).

It is possible to stack the IM-240DNE on top of two IM-240XNE for a higher production capacity.

• Data shows the IM-240DNE • Production capacity (kg/24h): AT 10°C, WT 10°C.



## IM Special - Self Contained

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• Photo of IM-65NE-Q /LM/LM103

### IM-65NE-Q/LM\*/LM103\*

Production Capacity (kg/24h) Approx.	26(Q) / 40(LM) / 32(LM103)	
Storage Bin Capacity (kg) Approx.	17(Q) / 26(LM,LM103)	
Dimensions W x D x H (mm)	633 x 506 x 860 (Q,LM,LM103) (Legs add 90-125mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,39 (Q), 0,40 (LM,LM103)	
Refrigerant	R134a - CO2: 260(Q)/299 (LM,LM103)	
Weight Gross / Net (kg)	66(Q) 61/53	
Air Cooled Model(s)	IM-65NE-Q/LM*/LM103*	
Type of Ice	Ball Ice	IM-65NE-Q
	Big Cube XXL	IM-65NE-LM
	Long Cube XXXL	IM-65NE-LM103

Products available as 60Hz models: IM-65NE-Q



• Photo of IM-65NE-H/S

### IM-65NE-H\*/S\*

Production Capacity (kg/24h) Approx.	28(H) / 22(S)	
Storage Bin Capacity (kg) Approx.	26(H,S)	
Dimensions W x D x H (mm)	633 X 506 X 840 (H,S) (Legs add 90-125mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,40 (H,S)	
Refrigerant	R134a - CO2: 260kg	
Weight Gross / Net (kg)	61/53	
Air Cooled Model(s)	IM-65NE-H*/S*	
Type of Ice	Heart Ice	IM-65NE-H
	Star Ice	IM-65NE-S



\*These products can be produced upon customer request. Please take longer lead times into consideration.

• Data shows the standard air cooled model • Production capacity (kg/24h): AT 10°C, WT 10°C.



## IM-65NE-C

Production Capacity (kg/24h) Approx.	55
Storage Bin Capacity (kg) Approx.	26
Dimensions W x D x H (mm)	633 x 506 x 840 (Legs add 90-125mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,40
Refrigerant	R134a - CO2: 260kg
Weight Gross / Net (kg)	61/53
Air Cooled Model(s)	IM-65NE-C
Type of Ice	Cylinder Ice



## IM-100NE-C

Production Capacity (kg/24h) Approx.	85
Storage Bin Capacity (kg) Approx.	50
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs add 90-130mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0.63
Refrigerant	R134a - CO2: 364kg
Weight Gross / Net (kg)	85/76
Air Cooled Model(s)	IM-100NE-C
Type of Ice	Cylinder Ice



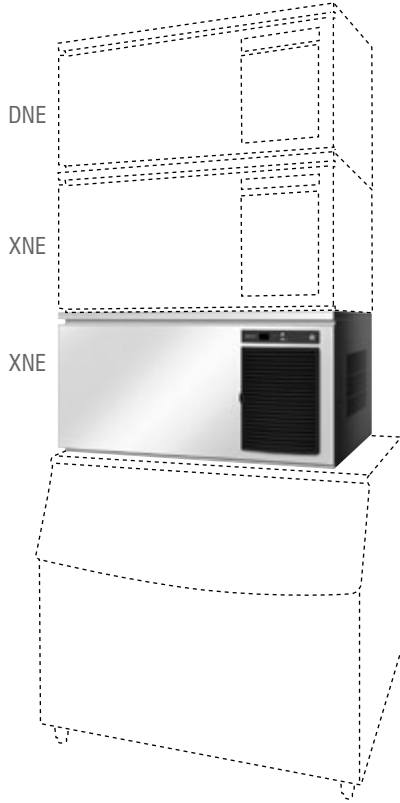
\*These products can be produced upon customer request. Please take longer lead times into consideration.  
 • Production capacity (kg/24h): AT 10°C, WT 10°C.





## IM Cylinder - Modular

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### IM-240D(W)NE\*/X(W)NE-C

Production Capacity (kg/24h) Approx.	240/480/720**
Dimensions W x D x H (mm)	1084 x 700 x 500
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	1,33
Refrigerant	R404A - CO2: 1630kg
Weight Gross / Net (kg)	101/89
Corresponding Bins	B-801SA, F650, 950/1025
Top Kits	See page 66 for Configurations
Air Cooled Model(s)	IM-240DNE-C, IM-240XNE-C
Water Cooled Model(s)	IM-240DWNE-C, IM-240XWNE-C
Type of Ice	Cylinder Ice
Extension Machines	IM-240XNE-C, IM-240XWNE-C

\*\*IM-240XNE-C extension machine for 480kg (DNE+XNE) or 720 kg (DNE+2x XNE). It is possible to stack the IM-240DNE-C on top of two IM-240XNE-C for a higher production capacity.

- Data shows the IM-240DNE-C

\*These products can be produced upon customer request. Please take longer lead times into consideration.

- Production capacity (kg/24h): AT 10°C, WT 10°C.



# FM Range



Please visit our website to view our trading terms and conditions.



# FM Product Highlights

The FM Range produces Flake or Nugget ice. It uses the most efficient ice making process due to the unique auger system.



Flake and Nugget ice are popular for a variety of cooling purposes.

### Flake ice applications include:

- Food processing.
- Fish and fresh produce display.
- Organ transportation in medical arena.

The main characteristic of Hoshizaki's Flake ice is that 'freeze- burn' is prevented when displaying fresh fish or produce.

### Nugget ice applications include:

- Display of packaged produce such as bottled beverages and food.
- Key ingredient in cocktails.

Hoshizaki's Nugget ice is compressed by the extruding head, producing harder, dry ice.



Hoshizaki ice makers in this range can be converted to either flake or nugget ice, providing a higher level of flexibility than other machines on the market.

Due to the auger system the water consumption is equal to the ice production.

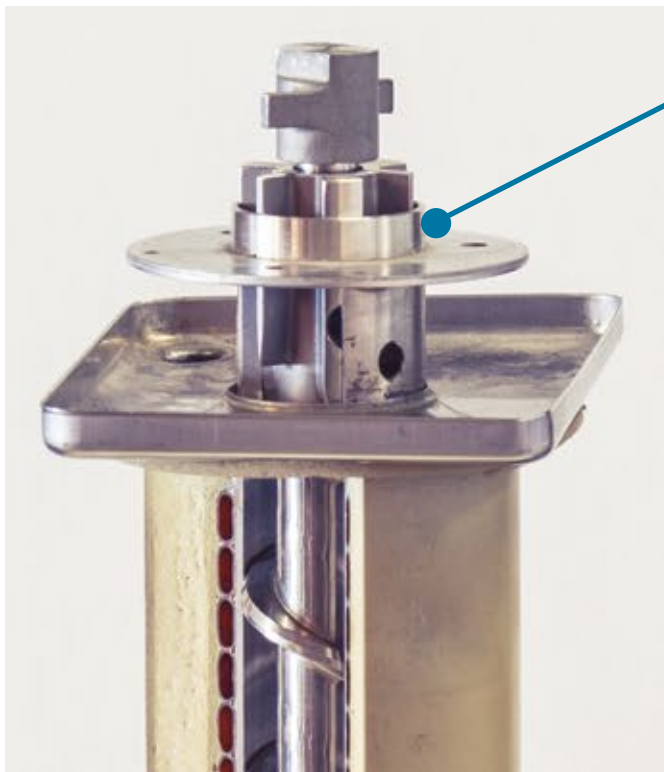
Ice hardness	Ice	Water
Flake Ice	70%	30%
Nugget Ice	88%	12%
Cubelet Ice*	90%	10%





### FM Ice Production

- FM's condenser utilises carbon auger bearings, which are more reliable than roller bearings as used by other manufacturers. Carbon auger bearings do not require oil or grease like roller bearings do, eliminating risk of oil leakage.
- The auger is of double hardened steel. The auger in combination with the carbon bearings, work optimally in a tough and wet environment. Benefits include: longer product life expectancy and reduced maintenance costs.
- The FM uses the most efficient ice making process due to Hoshizaki's unique FM auger system. It utilises all water brought into the machine; therefore water consumption is equal to ice production.





## FM-80KE-HC/HCN\*

Production Capacity (kg/24h) Approx.	85(F) / 75(N)	
Storage Bin Capacity (kg) Approx.	26(F) / 32(N)	
Dimensions W x D x H (mm)	640 x 600 x 800 (Legs 89mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,270	
Refrigerant	R290	
Weight Gross / Net (kg)	75/65	
Air Cooled Model(s)	FM-80KE-HC, FM-80KE-HCN	
Type of Ice	Flake Ice	FM-80KE-HC
	Nugget Ice	FM-80KE-HCN



• Photo of FM-120KE-HC/HCN

## FM-120KE-HC/HCN

Production Capacity (kg/24h) Approx.	125(F) / 110(N)	
Storage Bin Capacity (kg) Approx.	26(F) / 32(N)	
Dimensions W x D x H (mm)	640 x 600 x 800 (Legs 89mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,355	
Refrigerant	R290	
Weight Gross / Net (kg)	76/66	
Air Cooled Model(s)	FM-120KE-HC, FM-120KE-HCN	
Type of Ice	Flake Ice	FM-120KE-HC
	Nugget Ice	FM-120KE-HCN



• Photo of FM-120KE-50-HC/HCN

## FM-120KE-50-HC/HCN

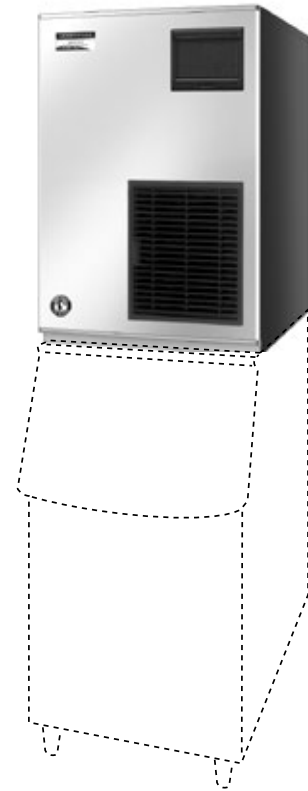
Production Capacity (kg/24h) Approx.	125(F) / 110(N)	
Storage Bin Capacity (kg) Approx.	57(F) / 65(N)	
Dimensions W x D x H (mm)	940 x 600 x 800 (Legs 89mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,355	
Refrigerant	R290	
Weight Gross / Net (kg)	88/76	
Air Cooled Model(s)	FM-120KE-50-HC, FM-120KE-50-HCN	
Type of Ice	Flake Ice	FM-120KE-50-HC
	Nugget Ice	FM-120KE-50-HCN

• Production capacity (kg/24h): AT 10°C, WT 10°C.



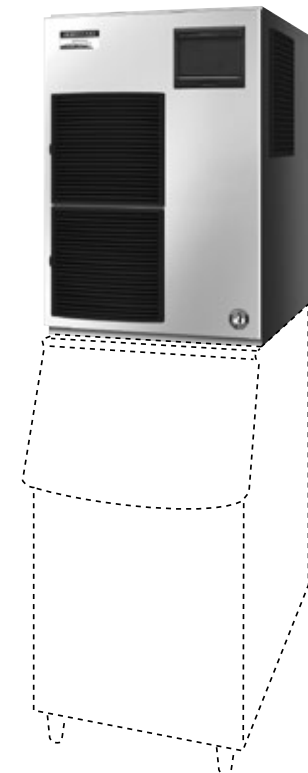
## FM-300AKE-HC/HCN-SB

Production Capacity (kg/24h) Approx.	300(F) / 250(N)	
Dimensions W x D x H (mm)	560 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,9(F) / 0.96(N)	
Refrigerant	R290	
Weight Gross / Net (kg)	88/81	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Air Cooled Model(s)	FM-300AKE-HC-SB, FM-300AKE-HCN-SB	
Type of Ice	Flake Ice	FM-300AKE-HC-SB
	Nugget Ice	FM-300AKE-HCN-SB



## FM-480AKE-HC/HCN-SB

Production Capacity (kg/24h) Approx.	450(F) / 380(N)	
Dimensions W x D x H (mm)	560 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	1,10(F) / 1.17(N)	
Refrigerant	R290	
Weight Gross / Net (kg)	99/92	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Air Cooled Model(s)	FM-480AKE-HC-SB, FM-480AKE-HCN-SB	
Type of Ice	Flake Ice	FM-480AKE-HC-SB
	Nugget Ice	FM-480AKE-HCN-SB



- Production capacity (kg/24h): AT 10°C, WT 10°C.



## FM Ice Makers - Self Contained

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### FM-80KE/-N

Production Capacity (kg/24h) Approx.	85(F) / 65(N)	
Storage Bin Capacity (kg) Approx.	26(F) / 32(N)	
Dimensions W x D x H (mm)	640 x 600 x 800 (Legs 89mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,3	
Refrigerant	R134a - CO2: 215kg	
Weight Gross / Net (kg)	75/65	
Air Cooled Model(s)	FM-80KE, FM-80KE-N	
Type of Ice	Flake Ice	FM-80KE
	Nugget Ice	FM-80KE-N



### FM-150KE/-N, CM-140KE

Production Capacity (kg/24h) Approx.	150(F) / 140(N) / 140(C)	
Storage Bin Capacity (kg) Approx.	26(F) / 32(N) / 32(C)	
Dimensions W x D x H (mm)	640 x 600 x 800 (Legs 89mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,64	
Refrigerant	R134a - CO2: 315kg	
Weight Gross / Net (kg)	82/71	
Air Cooled Model(s)	FM-150KE, FM-150KE-N, CM-140KE	
Type of Ice	Flake Ice	FM-150KE
	Nugget Ice	FM-150KE-N
	Cubelet Ice	CM-140KE



### FM-150KE-50/-N

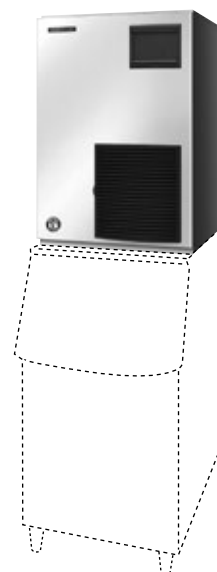
Production Capacity (kg/24h) Approx.	150(F) / 140(N)	
Storage Bin Capacity (kg) Approx.	57(F) / 65(N)	
Dimensions W x D x H (mm)	940 x 600 x 800 (Legs 89mm)	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,64	
Refrigerant	R134a - CO2: 315kg	
Weight Gross / Net (kg)	94/81	
Air Cooled Model(s)	FM-150KE-50, FM-150KE-50-N	
Type of Ice	Flake Ice	FM-150KE-50
	Nugget Ice	FM-150KE-50-N

• Data shows the standard air cooled flake and nugget model • Production capacity (kg/24h): AT 10°C, WT 10°C.



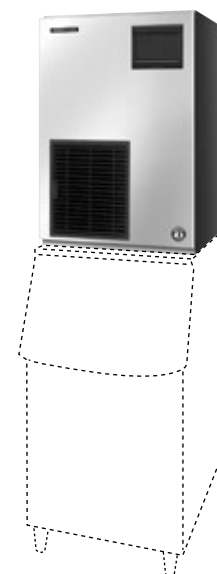
## FM-170AKE/-N-SB

Production Capacity (kg/24h) Approx.	170(F) / 160(N)	
Dimensions W x D x H (mm)	560 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,60(F) / 0,62(N)	
Refrigerant	R134a - CO2: 529kg	
Weight Gross / Net (kg)	75/68	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	FM-170AKE-SB, FM-170AKE-N-SB	
Type of Ice	Flake Ice	FM-170AKE-SB
	Nugget Ice	FM-170AKE-N-SB



## FM-300AKE/-N-SB

Production Capacity (kg/24h) Approx.	320(F) / 270(N)	
Dimensions W x D x H (mm)	560 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	1,0	
Refrigerant	R404A - CO2: 1803kg	
Weight Gross / Net (kg)	87/80	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	FM-300AKE-SB, FM-300AKE-N-SB	
Type of Ice	Flake Ice	FM-300AKE-SB
	Nugget Ice	FM-300AKE-N-SB



Products available as 60Hz models: FM-300AKE-SB\*, FM-300AKE-N-SB\*

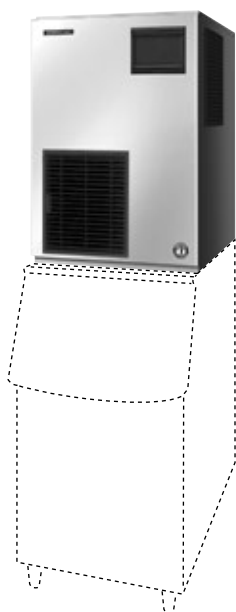
\*These products can be produced upon customer request. Please take longer lead times into consideration.

- Production capacity (kg/24h): AT 10°C, WT 10°C.



## FM Ice Makers - Modular

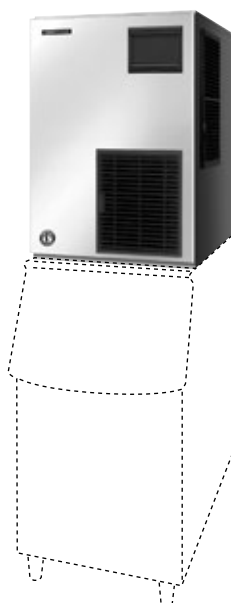
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### FM-480AKE/-N-SB

Production Capacity (kg/24h) Approx.	500(F) / 430(N)	
Dimensions W x D x H (mm)	560 x 700 x 780	
Electrical Supply	1/230V/50Hz	
Electrical Capacity (kW)	1,65	
Refrigerant	R404A - CO2: 2352kg	
Weight Gross / Net (kg)	102/95	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	FM-480AKE-SB, FM-480AKE-N-SB	
Water Cooled Model(s)	FM-480AWKE-SB, FM-480AWKE-N-SB	
Air cooled Remote Model(s)	FM-481ALGE-SB*, FM-481ALGE-N-SB*	
Requested Refrigeration Capacity	1,6kW at -18°C	
Type of Ice	Flake Ice	FM-480AKE-SB, FM-480AWKE-SB, FM-481ALGE-SB*
	Nugget Ice	FM-480AKE-N-SB, FM-480AWKE-N-SB, FM-481ALGE-N-SB*

Products available as 60Hz models: FM-480AKE-SB\*, FM-480AKE-N-SB\*  
Requires a remote refrigeration unit (not supplied)



### FM-600AKE/-N-SB

Production Capacity (kg/24h) Approx.	600(F) / 530(N)	
Dimensions W x D x H (mm)	560 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	1,90(F) / 1,95(N)	
Refrigerant	R404A - CO2: 5096kg	
Weight Gross / Net (kg)	114/107	
Corresponding Bins	B-301SA, B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	FM-600AKE-SB, FM-600AKE-N-SB	
Water Cooled Model(s)	FM-600AWKE-SB*, FM-600AWKE-N-SB*	
Type of Ice	Flake Ice	FM-600AKE-SB, FM-600AWKE-SB*
	Nugget Ice	FM-600AKE-N-SB, FM-600AWKE-N-SB*

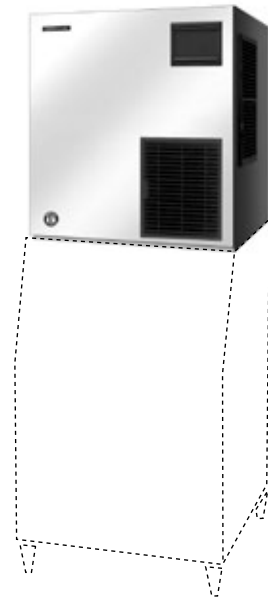
Products available as 60Hz models: FM-600AKE-SB\*, FM-600AKE-N-SB\*  
Please note that this machine requires a 20A power supply.

\*These products can be produced upon customer request. Please take longer lead times into consideration.  
• Production capacity (kg/24h): AT 10°C, WT 10°C.



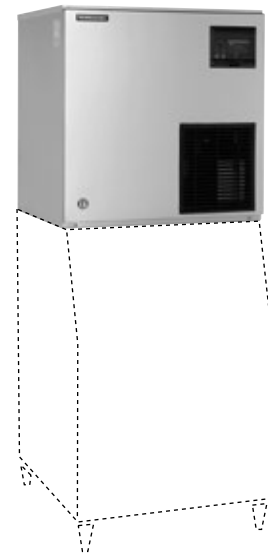
## FM-750AKE/-N

Production Capacity (kg/24h) Approx.	750(F) / 590(N)	
Dimensions W x D x H (mm)	762 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	1,88(F) / 2,01(N)	
Refrigerant	R404A - CO2: 4508kg	
Weight Gross / Net (kg)	143/133	
Corresponding Bins	B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	FM-750AKE, FM-750AKE-N	
Type of Ice	Flake Ice	FM-750AKE
	Nugget Ice	FM-750AKE-N



## FM-1000AKE/-N

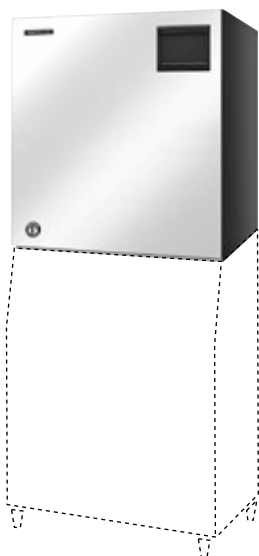
Production Capacity (kg/24h) Approx.	1030(F) / 860(N)	
Dimensions W x D x H (mm)	762 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	2,49(F) / 2,55(N)	
Refrigerant	R404A - CO2: 5292kg	
Weight Gross / Net (kg)	156/146	
Corresponding Bins	B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s)	FM-1000AKE, FM-1000AKE-N	
Type of Ice	Flake Ice	FM-1000AKE
	Nugget Ice	FM-1000AKE-N





## FM Ice Makers - Modular

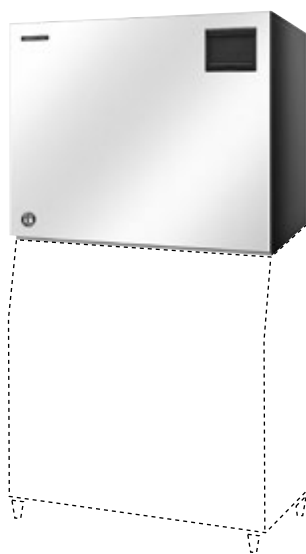
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### FM-1200ALKE/-N

Production Capacity (kg/24h) Approx.	1200(F) / 1060(N)	
Dimensions W x D x H (mm)	762 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,47(F) / 0,515(N)	
Refrigerant	R404A - CO2: 118kg	
Weight Gross / Net (kg)	108/98	
Requested Refrigeration Capacity	2,83kW / -25°C	
Corresponding Bins	B-501SA, B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s) Without Refrigeration Unit	FM-1200ALKE, FM-1200ALKE-N	
Type of Ice	Flake Ice	FM-1200ALKE
	Nugget Ice	FM-1200ALKE-N

Requires a remote refrigeration unit (not supplied)



### FM-1800ALKE/-N

Production Capacity (kg/24h) Approx.	1800(F) / 1590(N)	
Dimensions W x D x H (mm)	1080 x 700 x 780	
Electrical Supply	1/220 - 240V/50Hz	
Electrical Capacity (kW)	0,71(F) / 0,77(N)	
Refrigerant	R404A - CO2: 118kg	
Weight Gross / Net (kg)	155/140	
Requested Refrigeration Capacity	4,3kW / -25°C	
Corresponding Bins	B-801SA	
Top Kits	See page 66 for Configurations	
Air Cooled Model(s) Without Refrigeration Unit	FM-1800ALKE, FM-1800ALKE-N	
Type of Ice	Flake Ice	FM-1800ALKE
	Nugget Ice	FM-1800ALKE-N

Requires a remote refrigeration unit (not supplied)

- Production capacity (kg/24h): AT 10°C, WT 10°C.





## Bins, Transport Systems and Crushers





# Storage Bins



The B-301SA, B-501SA and B-801SA Storage Bins are configured perfectly with Hoshizaki ice makers to ensure ample quantities of ice at all times.

- Foamed in place insulation, ensures low melt rate ice storage.
- The stainless steel exterior provides long lasting attractive appearance.
- Easy to clean with round edges for optimal hygiene.
- Manufactured with adjustable legs from 90mm to 120mm.
- Sturdy construction for side by side/stacked installation and non-corrosive bin liner provide safe and sanitary storage of Cube and Flake ice.



**B-801SA**



## B-301SA

Bin Capacity (kg) Approx.	144
Dimensions W x D x H (mm)	560 x 820 x 1016 (Legs add 90mm)
Weight Gross / Net (kg)	49/37



## B-501SA

Bin Capacity (kg) Approx.	217
Dimensions W x D x H (mm)	781 x 820 x 1016 (Legs add 90mm)
Weight Gross / Net (kg)	57/47



## B-801SA

Bin Capacity (kg) Approx.	348
Dimensions W x D x H (mm)	1220 x 820 x 1016 (Legs add 90mm)
Weight Gross / Net (kg)	86/64
Optional	Bin dividers on request



## OTHER BRANDED BINS

Model	Bin Capacity (kg) Approx.	Dimensions (Including legs) W x D x H (mm)	Weight (kg)
F-600-42S	258	1087 x 686 x 1019	70
F-650-44S	299	1118 x 801 x 1016	80
F-950-48S	431	1220 x 801 x 1270	105
F-1025-52S	467	1321 x 801 x 1270	112



# Top Kits

Some ice maker bin combinations may require a top kit. Please check the following table for possible configurations.

If you wish to combine one of our ice makers with other branded bins, please consult us as other top kits may apply.

## TOP KITS

TK 4 DM	TK 18 D
TK 4 DR	TK IMD2
TK 8 D	TK 1800

## TOP KIT CONFIGURATIONS

Quantity	Ice Maker Model	B-301SA	B-501SA	B-801SA
	IM-130A/-HC		TK 8 D	TK 8 D + TK 18 D
	IM-240D	n.a.	n.a.	TK IMD2
	IM-240A/-HC	–	TK 8 D	TK 8 D + TK 18 D
	KM-320/515/650	–	TK 8 D	TK 8 D + TK 18 D
2x	KM-320/515/650	n.a.	n.a.	TK 4 DM
	KM-1301	n.a.	n.a.	–
	KMD-201	–	TK 8 D	TK 8 D + TK 18 D
	KMD-270	–	TK 8 D	TK 8 D + TK 18 D
	FM-170	–	TK 8 D	TK 8 D + TK 18 D
	FM-300/-HC	–	TK 8 D	TK 8 D + TK 18 D
	FM-480/-HC	–	TK 8 D	TK 8 D + TK 18 D
	FM-600	–	TK 8 D	TK 8 D + TK 18 D
	FM-750	n.a.	–	TK 18 D
	FM-1000	n.a.	–	TK 18 D
	FM-1200	n.a.	–	TK 18 D
	FM-1800	n.a.	n.a.	TK 1800
2x	IM-240A	n.a.	n.a.	TK 4 DM
2x	KM-650	n.a.	n.a.	TK 4 DM
2x	KMD-201	n.a.	n.a.	TK 4 DM + TK 4 DR
2x	KMD-270	n.a.	n.a.	TK 4 DM + TK 4 DR
2x	FM-170	n.a.	n.a.	TK 4 DM
2x	FM-300	n.a.	n.a.	TK 4 DM
2x	FM-480	n.a.	n.a.	TK 4 DM
2x	FM-600	n.a.	n.a.	TK 4 DM

– = no top kit necessary  
n.a. = combination of ice maker and bin is not possible.