



**HOSHIZAKI**

[www.hoshizaki-europe.com](http://www.hoshizaki-europe.com)

V2.0



# HOSHIZAKI

## C o n t e n t s

### About Us

Built on Strong Foundations	iii
Sustainable Innovation	iv - v
Our Quality Marks	vi - vii

### Refrigerators and Freezers

<b>Standard Refrigerators &amp; Freezers</b>	<b>1.01</b>
Product Highlights	1.02 - 1.04
STANDARD Range	1.05 - 1.10
Technical Drawings	1.11 - 1.12

### Ice Machines

Ice Types	i
Ice Sizes and Shapes	ii - iii
<b>IM Product Highlights</b>	<b>2.01</b>
Ice Production Process	2.02
IM-N Series	2.03
Cube, Self-contained	2.04 - 2.06
Cube, Modular	2.07
Cylinder and Ball Ice	2.08 - 2.09
Technical Drawings	2.10 - 2.18
<b>KM Product Highlights</b>	<b>3.01</b>
KM Crescent Ice Machines	3.02 - 3.05
Technical Drawings	3.06 - 3.10
<b>FM Product Highlights</b>	<b>4.01</b>
FM Flake/Nugget/Cubelet Ice Machines	4.02 - 4.05
FM Hydrocarbon Machines	4.06 - 4.08
Technical Drawings	4.09 - 4.14

### Ice and/or Water Dispensers

Product Highlights	5.01
Ice and/or Water Dispensers	5.02 - 5.03
Technical Drawings	5.04 - 5.05



# HOSHIZAKI

## C o n t e n t s

### Bins, Transport Systems, Crushers

Storage Bins	6.01 - 6.05
Top Kits	6.06
Transport Systems	6.07 - 6.09
Ice Bagging & Dispensing Systems	6.10 - 6.11
Ice Crushers	6.12 - 6.13

### Sushi Cases

Product Highlights	7.01 - 7.03
Technical Drawings	7.04 - 7.06

### Accessories

Water Filters HC/HF Series	8.01
Ice Scoops	8.02
Adjustable Legs	8.02
Hoses	8.02

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## About Us







# Built on Strong Foundations

## Our Cool and Clean Mission

With over 60 years of experience in the commercial kitchen equipment and food service markets, Hoshizaki is a global market leader.

We designed and developed Japan's first fully automatic ice maker and from this pioneering base we have an ice making and refrigeration product range that exceeds expectations in the demanding sectors of food, beverage, bars and restaurants, bio-science, healthcare and education.

Hoshizaki has rightfully gained an international reputation for sustainable innovation, durability and reliability. All machines are designed and specified by Hoshizaki's dedicated Japanese Research and

Development team, which ensures Hoshizaki continues to devise innovative and sustainable products that cement the company's position as one of the world's visionary suppliers.

The company is noted for developing energy and water efficient, environmentally friendly (Hydro Fluorocarbon free) ice makers, adding value for the end-user through cost-saving and sustainability. Hoshizaki also innovates in the sectors it operates, for example in hospitality end-users can choose ice-makers that produce different types of ice from ball ice to flaked, which make the difference in quality beverages such as cocktails.

Find out more. Please visit [www.hoshizaki-europe.com](http://www.hoshizaki-europe.com)





# Sustainable Innovation

## Hydro Carbon Technology

Hoshizaki has an understandable reputation for innovation, continually adding value for the end-user through cost-saving and sustainability.

Integral to both the FM and IM Series, Hoshizaki is proud to offer these ice makers with HFC free refrigerant.

The key point is that these ice makers are 'domestic' compliant, which is a significant step in sustainability. Smaller and medium sized operators can also benefit. In the past they were restricted to choosing larger commercial ice makers with a bigger environmental impact and larger price tag.

### IM-Hydrocarbon Ice Machines

- The IM-240ANE-HC can produce up to approx. 230 kilos of cube ice in just 24 hours and still use just 50 per cent of the legal allowance of hydrocarbon.
- Utilises only 0.870kW per hour, which is 34 per cent less energy consumption than Hoshizaki's conventional IM-240ANE model and an over 99 per cent cut in global warming potential, compared to the same IM model.
- The HC ice maker reduces energy bills, adding to their sustainability credentials.

### What are Hydrocarbons?

Hydrocarbons (HC) are naturally occurring substances that have proven to be some of the most climate-friendly and cost-efficient refrigerants to heat, cool and freeze. Hydrocarbon refrigerants, hydrochlorofluorocarbons (HCFCs) and hydrofluorocarbons (HFCs), are less damaging to the environment as they are non-toxic and non-ozone-depleting, making them a preferred choice for commercial cooling and freezing solutions.

The most commonly used HC refrigerants are propane and isobutane. Uses for propane include industrial freezers, refrigerators and ice makers whereas isobutane is utilised for domestic refrigerators and freezers. Hoshizaki, experts in commercial cooling and freezing equipment, have produced the world's first fully CE compliant R290 (propane) hydrocarbon ice makers. With the growing popularity for using hydrocarbons, Hoshizaki expects that the hydrocarbon refrigerant units will become an industry standard in the near future.



## Benefits of Hydrocarbons

HC refrigerants have a multitude of benefits; perhaps the two most important attributes are that they do not contribute to the depletion of the ozone layer and that HCs maximizes energy efficiency.

Most hydrocarbons used as refrigerants have a Global Warming Potential (GWP) of below 3, meaning they don't pose a threat to the earth's climate in small concentrations. By contrast, R404a, one of the chemical refrigerants hydrocarbons can replace, has a GWP of 3,260. To visualize this figure: 1 kg of released HFC- 404a heating up the atmosphere is equivalent to 1.1 tonnes of propane or isobutane!

Because of the reduced GWP, HCs also reduce the direct greenhouse gas (GHG) emissions. If a typical supermarket refrigeration system lost five to ten per cent of the total refrigerant charge to the atmosphere every year, and that continued, using hydrocarbons would spare

the planet tonnes of greenhouse gases compared to any other chemical refrigerant currently used.

HCs lower the indirect GHG emissions by maximising energy efficiency through a combination of factors, including their favourable thermodynamic characteristics, a higher Coefficient of Performance (COP), and a low condensing temperature.

Believing that hydrocarbons will play a major part within the future of refrigeration technology, Hoshizaki has committed to take a leading role in the design and manufacture of environmentally positive ice makers and refrigerators. Hoshizaki expert engineers are continuously striving to diversify and expand the hydrocarbon range to suit the needs of the global sectors using commercial cooling and freezing systems.



# Our Quality Marks

Hoshizaki Europe B.V. is proud to partner with the following accredited suppliers and services to ensure we continue to design, produce and deliver quality products.



- HACCP is a risk management tool recognized internationally for use in the proactive management of food and beverage safety issues.
- Hazard Analysis Critical Control Point (HACCP) is the main platform for International legislation and good manufacturing practices for all sectors of the food and beverage industry.
- HACCP also forms a key component of many certified compliance standards and is recognized as a main element of international trade in food and beverage products.
- The HACCP International Certification applies to the IM, FM/CM, KM and DCM series.



- ISO 9001 certification represents a formal acknowledgment by an accreditation organization that a company meets the intent of quality management standards issued by the International Organization for Standardization. A company receives this award after successfully passing an audit examining how well the standards were implemented and verifying the compliance of the company's employees to the guidelines. ISO 9001 aims at implementing processes that ensure customer satisfaction on a continuous basis.
- The ISO 9001 certification applies to both Hoshizaki's IM and FM series of ice makers.

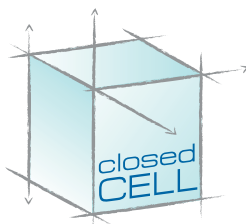


- CE Marking on a product is a manufacturer's declaration that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation in place by many of the so-called Product Directives ('essential requirements' and/or 'performance levels' and 'Harmonized Standards' to which the products must conform).
- CE Marking on a product indicates to governmental officials that the product may be legally placed on the market in their country.
- CE Marking on a product ensures the free movement of the product within the EFTA & European Union (EU) single market (28 countries).
- CE Marking on a product permits the withdrawal of the non-conforming products by customs and enforcement/vigilance authorities.



- In the United Kingdom, Hoshizaki's IM, FM ice makers and DIM-30 Dispensers are in compliance with WRAS (Water Regulations Advisory Scheme).





- Developed for the Hoshizaki IM-Range, the Closed Cell System causes the ice be more compact, hard and geometrically perfect.



- Developed for the KM Series.
- Hoshizaki Crescent ice makers (KM) produce the same quantity of ice in half as many cycles as competitor brands.
- Fewer cycles per day results in increased life & profits.
- It will take a Hoshizaki ice machine 15 years to accumulate as many cycles as the competition in 6 years.
- Reduced energy consumption, cleaning and maintenance.



- The system EverCheck gives a visible and audible alarm when the machine needs maintenance assistance.
- Beneficial to alert the operator immediately, in case a problem occurs.
- Reduces down-time and, as a consequence, the possible financial impact.
- Specifically developed for the KM Series.



- This system has been invented for Hoshizaki.
- It extracts impurities and minerals from the water, which makes the ice production cleaner.
- Reduced cleaning and maintenance of machine.
- Developed for the FM Series.



- With a clear focus on sustainable innovation, Hoshizaki has significantly improved the performance of the IM Range in terms of water consumption. All N Series products within the IM Range are labelled with the Eco – Friendly mark.



- All HFC Ice makers within the FM Range are labelled with this mark. Our development team is continuously striving to diversify and expand the hydrocarbon range to meet industry needs.



## Refrigerators and Freezers





# Hoshizaki STANDARD

Refrigerator & Freezer Range



Parts & Labour



# STANDARD Product Range

This range is made up of standard models and 1/1 gastronorm counters, available as a refrigerator or freezer with two or three door sections.

- Carefully designed to ensure the optimal circulation of air at all times.
- Refrigerated air is circulated around the cabinet to maintain the storage of foodstuffs at the correct temperature using an energy efficient DC Fan.
- Exterior and interior are made of stainless steel. Counters have an inside door cover of grey ABS.
- Temperature range is between +12°C and -6°C for refrigerators and -7°C and -25°C for freezers.
- These counters and cabinets offer great versatility as they can be used for different types of storage as requirements change or seasonal changes dictate menu variations.





## Counters



### Customer Benefits

- The stainless steel composition of the machine allows the worktop to double-up as a food preparation area, reducing the footprint of the machine in frequently space-restricted commercial environments.
- Refrigerators are available with either doors or drawers (or combination of both) built into them. This enhances the flexibility and range of applications the unit can be used for, increasing its suitability across a number of environments.
- The compressor assembly can be easily accessed or removed from the machine, allowing easy maintenance and reducing costs.
- An energy efficient DC fan (80% more energy efficient than AC fan) considerably reduces the amount of energy consumed by the machine, reducing its impact on both the environment and your finances.

## Cabinets



### Customer Benefits

- An energy efficient DC fan (80% more energy efficient than AC fan) considerably reduces the amount of energy consumed.
- Routine cleaning and maintenance schedules are quick and easy to carry out, facilitated by the ergonomic design of the unit.
- Machines in this range include automatically closing doors (when an angle of less than 90 degrees). This reduces the risk of doors accidentally being left open, increasing the amount of energy consumed, and avoiding product spoil.
- The front frame of the freezer cabinet is heated, which when combined with the unit's efficient insulation, means that condensation cannot build up on the exterior panels of the cabinet.
- The evaporator defrost cycle of the freezer is scheduled to run every six hours, maintaining energy efficiency by reducing the build up of ice on the evaporator.

These units are available on request with wheels (castors), allowing them to be easily moved when looking to relocate equipment, or for cleaning purposes.



# STANDARD Product Highlights



## Easy Cleaning

Removable door gaskets for easy cleaning.



## Adjustable Shelves

The counter offers one height-adjustable shelf per section as standard.



## Hygienic Design

Dished stainless interior and base with rounded edges for easy cleaning.



## Castors or legs

A choice between lockable castors and adjustable legs.

The leg height can be adjusted from 150 to 180mm.



## Easy Service

A compact slide out refrigeration unit for easy maintenance and service access.



## Easy Maintenance

Easy access to front loaded air filter for cleaning.



## User-Friendly Controller

Control panel with digital thermometer/thermostat for accurate control and easy reading. A transparent plastic cover protects against accidental adjustment of temperature and fluid spillage.



## RTE-120SNA - Refrigerator

Product Code	RTE-120SNA
Net Capacity (kg/24h)	222
Temperature (°C)	-6 to 12
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1200 x 600 x 850 - 880
Weight Gross / Net (kg)	86/77
Insulation	Polyurethane Foam
Refrigerant	R134a
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,28



## FTE-120SNA - Freezer

Product Code	FTE-120SNA
Net Capacity (kg/24h)	222
Temperature (°C)	-25 to -7
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1200 x 600 x 850 - 880
Weight Gross / Net (kg)	90/81
Insulation	Polyurethane Foam
Refrigerant	R404A
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,66



## RTE-150SNA - Refrigerator

Product Code	RTE-150SNA
Net Capacity (kg/24h)	305
Temperature (°C)	-6 to 12
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1500 x 600 x 850 - 880
Weight Gross / Net (kg)	99/89
Insulation	Polyurethane Foam
Refrigerant	R134a
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,29





## FTE-150SNA - Freezer

Product Code	FTE-150SNA
Net Capacity (kg/24h)	305
Temperature (°C)	-25 to -7
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1500 x 600 x 850 - 880
Weight Gross / Net (kg)	102/92
Insulation	Polyurethane Foam
Refrigerant	R404A
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,66



## RTE-180SNA - Refrigerator

Product Code	RTE-180SNA
Net Capacity (kg/24h)	385
Temperature (°C)	-6 to 12
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1800 x 600 x 850 - 880
Weight Gross / Net (kg)	115/103
Insulation	Polyurethane Foam
Refrigerant	R134a
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,31



## FTE-180SNA - Freezer

Product Code	FTE-180SNA
Net Capacity (kg/24h)	385
Temperature (°C)	-25 to -7
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1800 x 600 x 850 - 880
Weight Gross / Net (kg)	121/109
Insulation	Polyurethane Foam
Refrigerant	R404A
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,95



## RTE-120SDA-GN 2/1 - Refrigerator

Product Code	RTE-120SDA-GN 2/1
Net Capacity (kg/24h)	265
Temperature (°C)	-6 to 12
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1200 x 700 x 850 - 880
Weight Gross / Net (kg)	93/83
Insulation	Polyurethane Foam
Refrigerant	R134a
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,28



## FTE-120SDA-GN 2/1 - Freezer

Product Code	FTE-120SDA-GN 2/1
Net Capacity (kg/24h)	265
Temperature (°C)	-25 to -7
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1200 x 700 x 850 - 880
Weight Gross / Net (kg)	97/87
Insulation	Polyurethane Foam
Refrigerant	R404A
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,66



## RTE-170SDA-GN 2/1 - Refrigerator

Product Code	RTE-170SDA-GN 2/1
Net Capacity (kg/24h)	412
Temperature (°C)	-6 to 12
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1660 x 700 x 850 - 880
Weight Gross / Net (kg)	115/103
Insulation	Polyurethane Foam
Refrigerant	R134a
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,30





## FTE-170SDA-GN 2/1 - Freezer

Product Code	FTE-170SDA-GN 2/1
Net Capacity (kg/24h)	412
Temperature (°C)	-25 to -7
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless (ABS Plastic)
Dimensions W x D x H (mm)	1660 x 700 x 850 - 880
Weight Gross / Net (kg)	121/109
Insulation	Polyurethane Foam
Refrigerant	R404A
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,90





## HRE-70B - Refrigerator

Product Code	HRE-70B
Net Capacity (kg/24h)	631
Temperature (°C)	0 to 16
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless
Dimensions W x D x H (mm)	700 x 850 x 2040
Weight Gross / Net (kg)	131/116
Insulation	Polyurethane Foam
Refrigerant	R134a
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,348



2 Door Model: HRE70B-2

## HFE-70B - Freezer

Product Code	HFE-70B
Net Capacity (kg/24h)	631
Temperature (°C)	-25 to -7
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless
Dimensions W x D x H (mm)	700 x 850 x 2040
Weight Gross / Net (kg)	131/116
Insulation	Polyurethane Foam
Refrigerant	R404A
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,572



2 Door Model: HFE70B-2



## HRE-140B - Refrigerator

Product Code	HRE-140B
Net Capacity (kg/24h)	1379
Temperature (°C)	0 to 16
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless
Dimensions W x D x H (mm)	1400 x 850 x 2040
Weight Gross / Net (kg)	189/164
Insulation	Polyurethane Foam
Refrigerant	R134a
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,501



4 Door Model: HRE140B-4



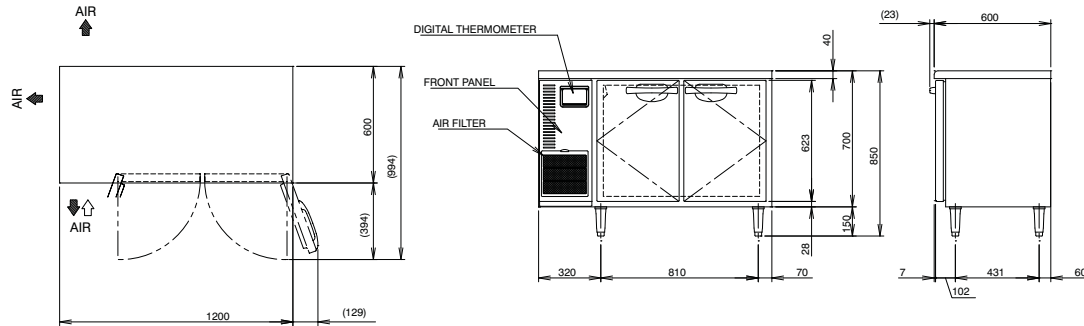
## HFE-140B - Freezer

Product Code	HFE-140B
Net Capacity (kg/24h)	1372
Temperature (°C)	-25 to -7
Exterior / Interior	Stainless (Galvanized - Rear/Bottom)/Stainless
Dimensions W x D x H (mm)	1400 x 850 x 2040
Weight Gross / Net (kg)	199/174
Insulation	Polyurethane Foam
Refrigerant	R404A
Electrical Supply	1/220 - 240V/50Hz
Electrical Consumption (kW)	0,723

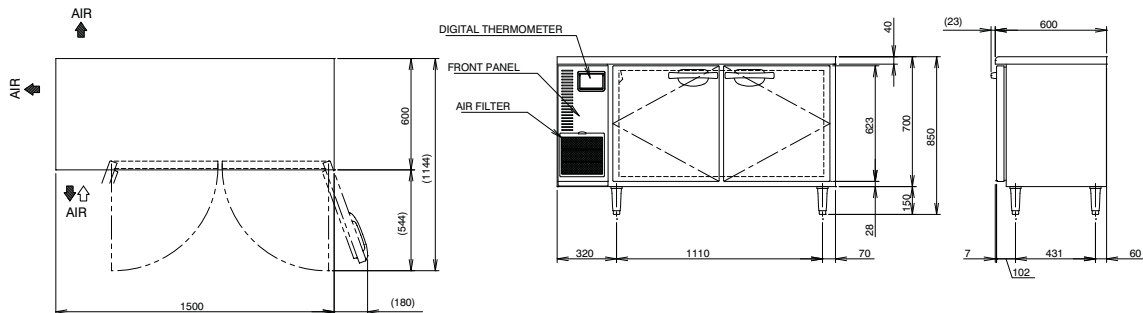


4 Door Model: HFE140B-4

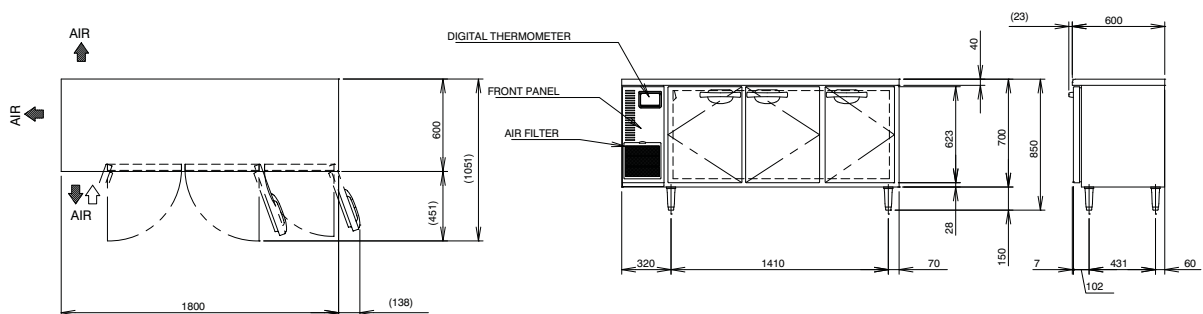
## RTE-120SNA - FTE-120SNA



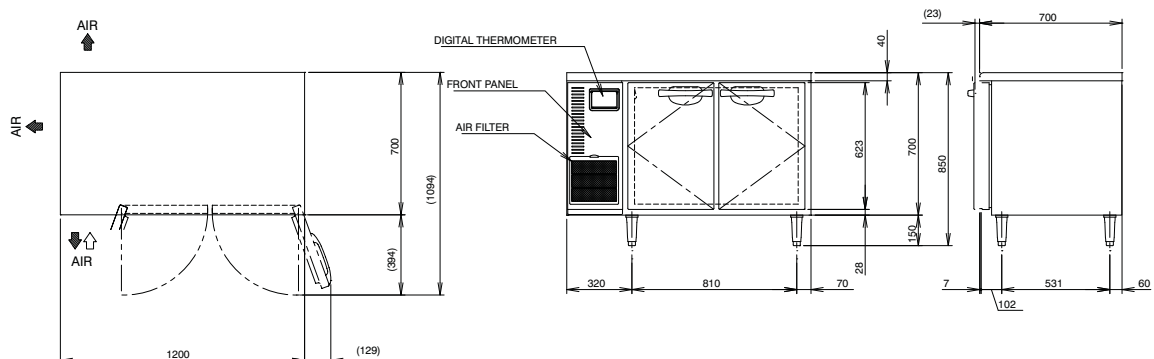
## RTE-150SNA - FTE-150SNA



## RTE-180SNA - FTE-180SNA

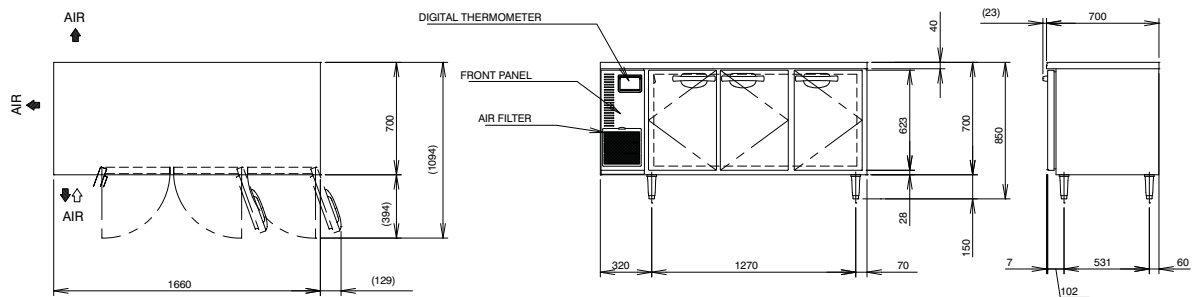


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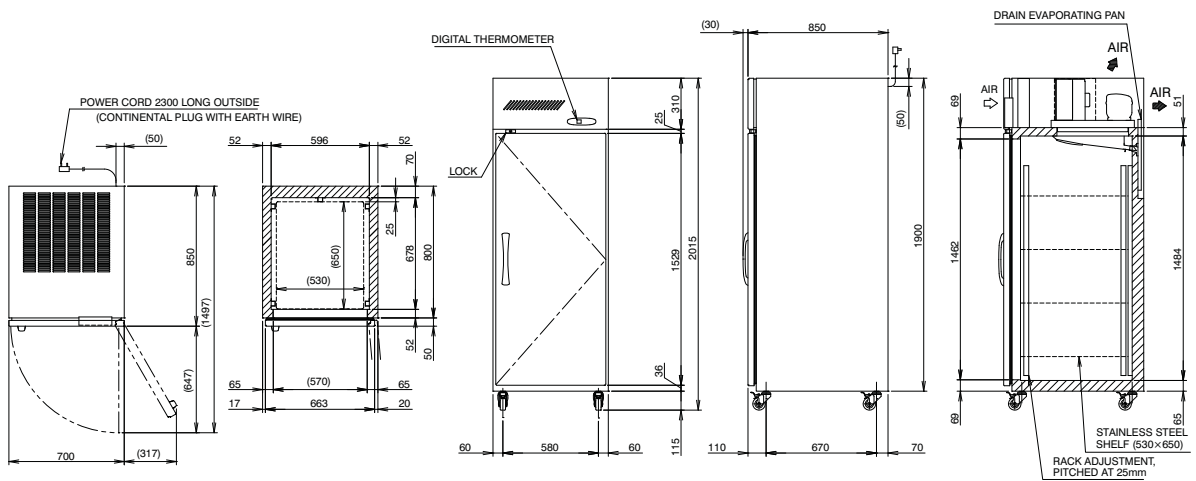




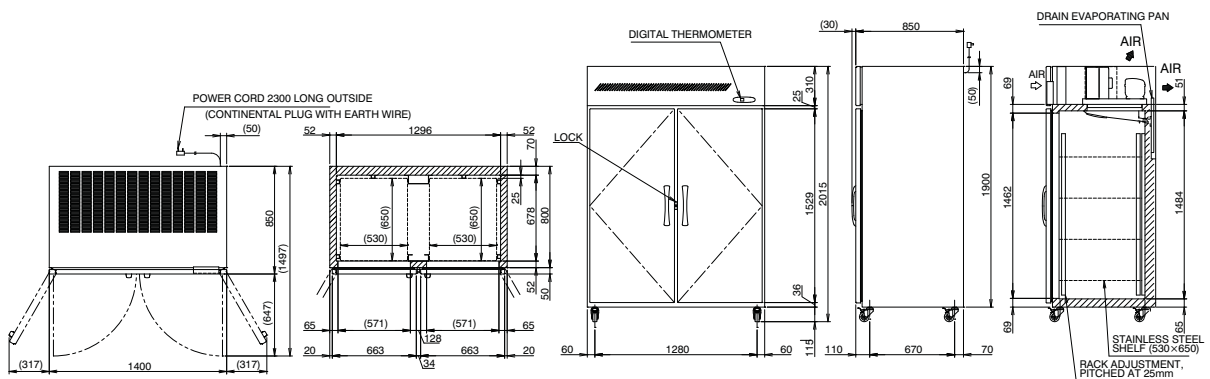
## RTE-170SDA-GN 2/1 - FTE-170SDA-GN 2/1



## HRE-70B - HFE-70B



## HRE-140B - HFE-140B





## Ice Machines







# An Ice For All Reasons

Hoshizaki's wide range of ice makers caters for a host of requirements and we have developed innovative solutions that are tailored to the demands of a wide range of locations and operations.

We provide industry-specific solutions for the needs of the restaurant, bar, fresh produce, food processing, bakery, education, healthcare catering and clinical markets so operators can deliver the best possible service to their customers or clients.

We call upon our vast technical know-how and end-user knowledge to design and develop ice makers for the production of cube ice, crescent ice, flake ice, nugget ice, in addition to ice dispensers. You will see Hoshizaki ice making equipment and ice dispensing systems in

front-of-house and back-of house locations at the world's leading bar and restaurant brands, and you are just as likely to find them performing critical functions on a deep sea fishing vessel.






Our hi-tech, efficient machines are renowned for their outstanding performance and durability to withstand the toughest commercial pressures. The basic designs and major component parts are specified for a global market meaning that Hoshizaki machines will effortlessly and quickly achieve outstanding levels of efficiency in ambient temperatures of between 5°C and 40°C, even in humid environments.

## Ice Types

### Regular Ice Types

				
Cube Ice	Cylinder Ice	Crescent Ice	Flake(F) / Nugget(N) Ice	Cubelet / Shuttle Ice
Product Series				
IM, DIM	IM	KM	FM	DSM, DCM, CM

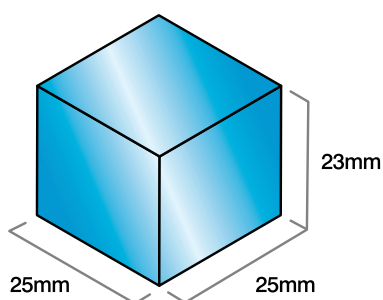
### Special Ice Types

				
Ball Ice 45mm / 45g	Star Shaped	Heart Shaped	Big Cube 48 x 48 x 58 mm	Long Cube 103 x 48 x 58mm
Product Series				
IM-65LE-Q	*	*	*	IM-65LE-LM103

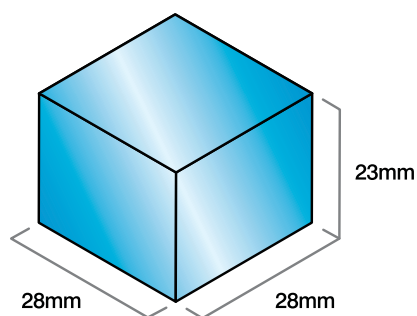
\* These are special types of ice and the machines can only be ordered on special request. Therefore take into account a longer delivery time.

# Ice Sizes & Shapes

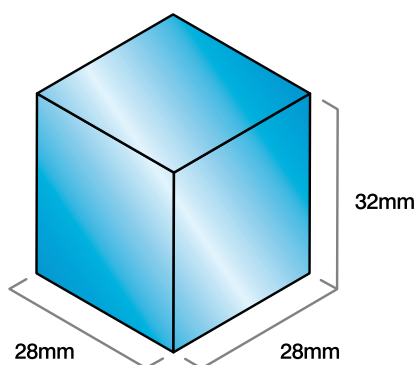
Hoshizaki ice machines produce exceptionally hard, pure ice cubes.



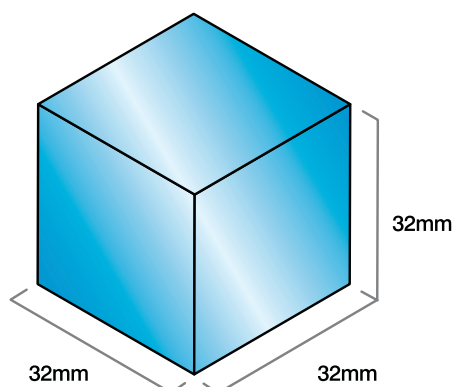
**Medium (M) (25)\***



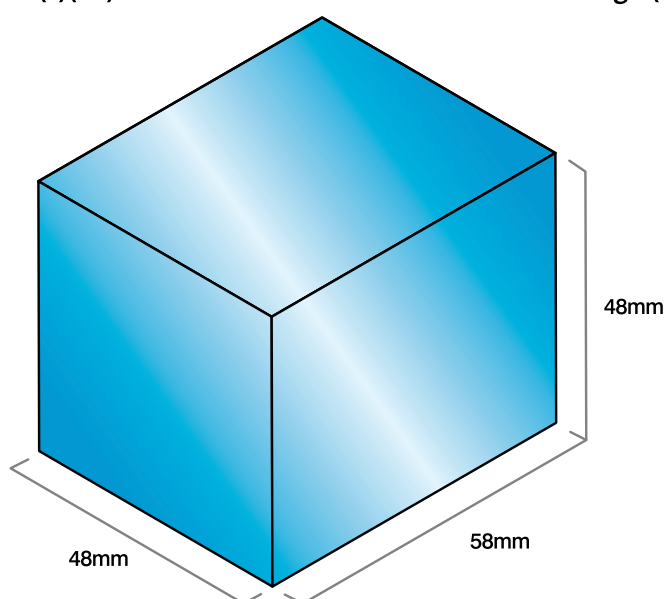
**Medium/Large (M/L) (23)\***



**Large Standard (L)(28)\***



**Extra Large (XL)(32)\***



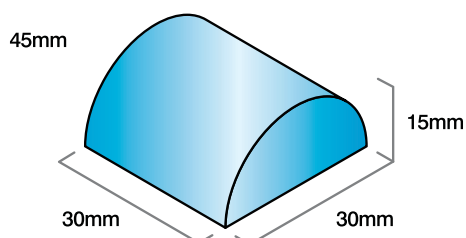
**Big Cube (58)\***

\*Size of Ice Cube mentioned in brackets ( ) is reflected in product names of the IM Series.  
E.g. (25) in IM-CNE-25 refers to a Cube Size Medium

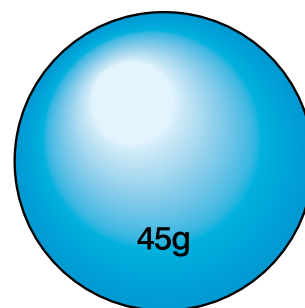


Ø32mm

Cylinder

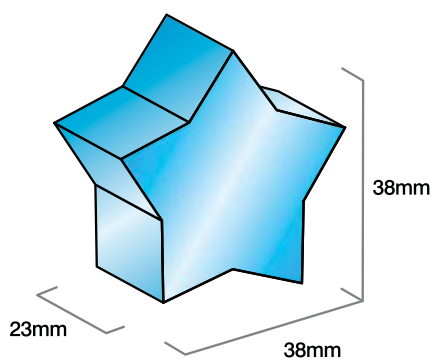


Crescent

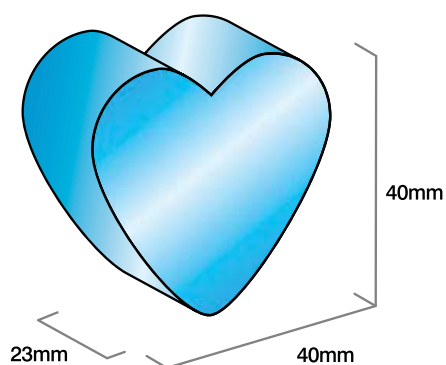


Ø45mm

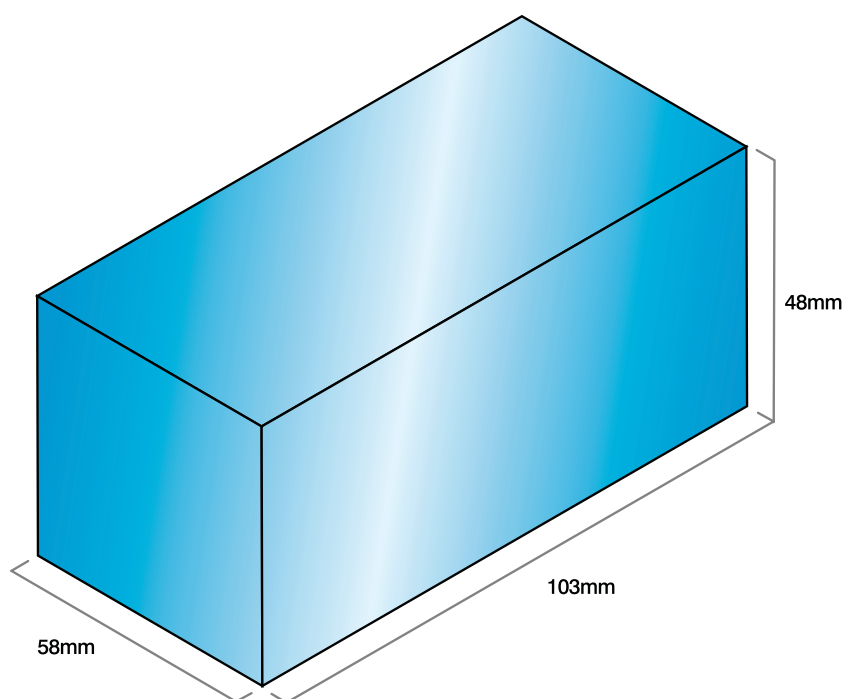
Ball



Star



Heart



Long Cube (LM-103)



## IM Product Highlights

The unique IM Range of Ice Machines 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 to be used in premium beverages like cocktails, as it protects the integrity and flavour of the drink.



Hoshizaki IM Machines utilise a closed cell ice making system that has an automatic flush cycle. After every new batch of ice, the water reservoir will drain and refill with fresh water.



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.



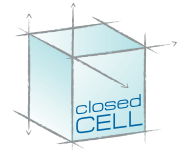
An easily cleanable air filter allows users to carry out a routine cleaning schedule themselves, extending the life expectancy of your Hoshizaki ice maker, and cutting the frequency and cost of maintenance call-outs.



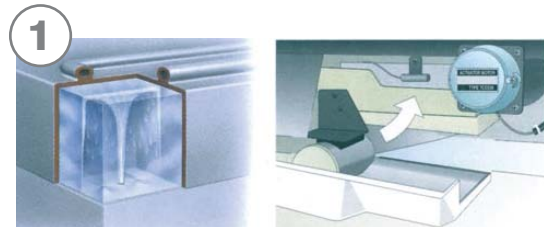
Ice machines are computer controlled so the ice making process is optimised under varying circumstances without the need for physical adjustments.

Foam injected polyurethane for outstanding insulation (HFC free) 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.

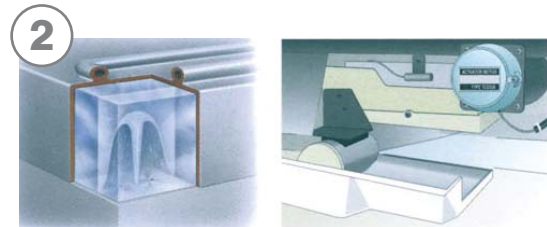




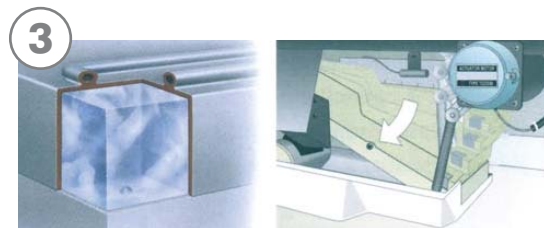
## Ice Production Process



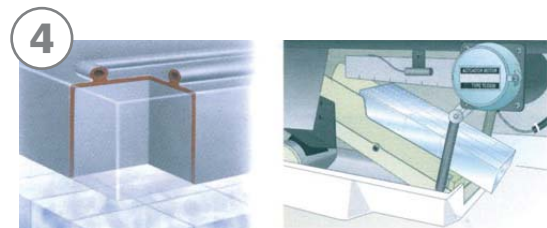
With the water plate closed against the underside of the evaporator, the water circuit is closed to both outside contamination and water loss under normal circumstances. Crucially, each cube is made individually by a dedicated jet spray to ensure the highest possible ice quality.



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.





## The New IM-N Series

The IM-N Series is a new range of ice makers true to Hoshizaki's reputation for durability and efficiency, but importantly with cutting edge innovation to deliver sustainability.

With a brief to extend our commitment to developing more sustainable ice makers, Hoshizaki has significantly improved the performance of the IM range in the increasingly important area of water consumption.

With notable improvements in sustainability design customers can save money and improve their overall performance.

### Model Name Changes:

L/M Series	New N Series
IM-21CLE	IM-21CNE
IM-30CLE	IM-30CNE
IM-45LE	IM-45NE
IM-45CLE	IM-45CNE
IM-65LE	IM-65NE
IM-100LE	IM-100NE
IM-130ME	IM-130NE
IM-240M2E	IM-240NE
IM-240DME	IM-240DNE
IM-240AME	IM-240ANE



### Notable Improvements Include:

- The development of a new intelligent control circuit dedicated to reducing water consumption
- Modern design with easy – to use control panel





## IM-21CNE

Production Capacity (kg/24h)	22
Storage Bin Capacity (kg)	11,5
Dimensions W x D x H (mm)	398 x 446 x 695
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,24
Refrigerant	R134a
Weight Gross / Net (kg)	38/34
Air Cooled Model(s)	IM-21CNE
Type of Ice	Large Cube
Optional	Legs for IM-21CNE



## IM-30CNE

Production Capacity (kg/24h)	28
Storage Bin Capacity (kg)	11,5
Dimensions W x D x H (mm)	398 x 446 x 695 (Legs Add 100-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,25
Refrigerant	R134a
Weight Gross / Net (kg)	38/34
Air Cooled Model(s)	IM-30CNE, IM-30CNE-25
Water Cooled Model(s)	IM-30CWNE
Type of Ice	IM-30CNE, IM-30CWNE – Large Cube IM-30CNE-25 – Medium Cube



## IM-45CNE

Production Capacity (kg/24h)	44
Storage Bin Capacity (kg)	15
Dimensions W x D x H (mm)	633 x 506 x 690 (Legs Add 100-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,32
Refrigerant	R134a
Weight Gross / Net (kg)	55/48
Air Cooled Model(s)	IM-45CNE, IM-45CNE-25
Type of Ice	IM-45CNE – Large Cube IM-45CNE-25 – Medium Cube





## IM-45NE

Production Capacity (kg/24h)	44
Storage Bin Capacity (kg)	18
Dimensions W x D x H (mm)	503 x 456 x 840 (Legs Add 100-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,33
Refrigerant	R134a
Weight Gross / Net (kg)	51/46
Air Cooled Model(s)	IM-45NE, IM-45NE-25
Water Cooled Model(s)	IM-45WLE
Type of Ice	IM-45NE, IM-45WLE – Large Cube IM-45NE-25 – Medium Cube



## IM-65NE

Production Capacity (kg/24h)	63
Storage Bin Capacity (kg)	26
Dimensions W x D x H (mm)	633 x 506 x 840 (Legs Add 100-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,40
Refrigerant	R134a
Weight Gross / Net (kg)	60/53
Air Cooled Model(s)	IM-65NE, IM-65NE-25
Water Cooled Model(s)	IM-65WLE
Type of Ice	IM-65NE, IM-65WLE – Large Cube IM-65NE-25 – Medium Cube



## IM-100NE

Production Capacity (kg/24h)	95
Storage Bin Capacity (kg)	50
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs Add 90-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,63
Refrigerant	R134a
Weight Gross / Net (kg)	84/76
Air Cooled Model(s)	IM-100NE, IM-100NE-23
Water Cooled Model(s)	IM-100WLE
Type of Ice	IM-100NE, IM-100WLE – Large Cube IM-100NE-23 – Medium / Large Cube



## IM-100CLE

Production Capacity (kg/24h)	95
Storage Bin Capacity (kg)	38
Dimensions W x D x H (mm)	1000 x 600 x 700 (Legs Add 90-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,63
Refrigerant	R134a
Weight Gross / Net (kg)	90/77
Air Cooled Model(s)	IM-100CLE, IM-100CLE-23
Type of Ice	IM-100CLE – Large Cube IM-100CLE-23 – Medium / Large Cube



## IM-130NE

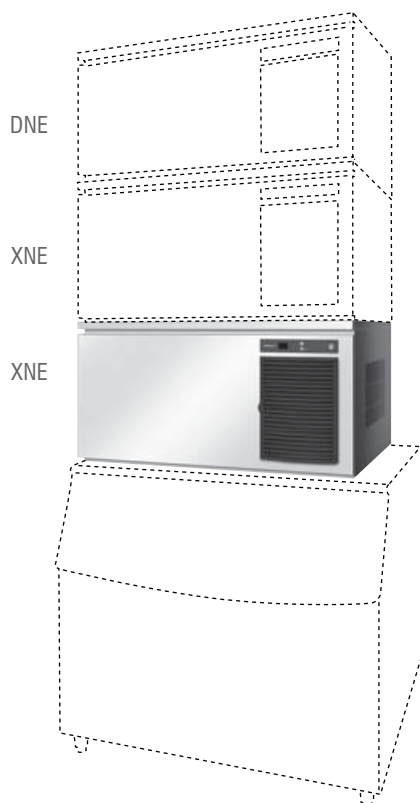
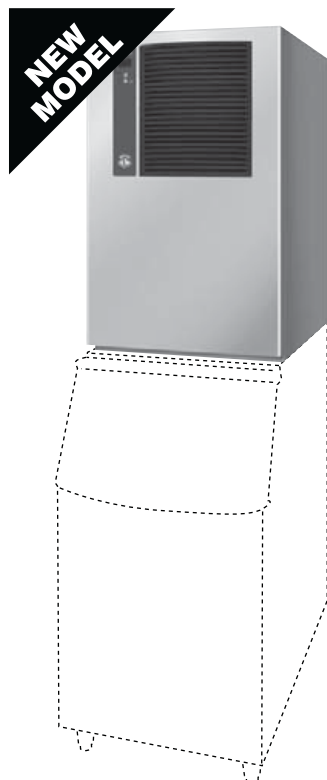
Production Capacity (kg/24h)	130
Storage Bin Capacity (kg)	50
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs Add 90-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,70
Refrigerant	R404A
Weight Gross / Net (kg)	84/76
Air Cooled Model(s)	IM-130NE, IM-130NE-23
Water Cooled Model(s)	IM-130WME
Type of Ice	IM-130NE, IM-130WME – Large Cube IM-130NE-23 – Medium / Large Cube



## IM-240NE

Production Capacity (kg/24h)	240
Storage Bin Capacity (kg)	110
Dimensions W x D x H (mm)	704 x 665 x 1510 (Legs Add 90-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	1,3
Refrigerant	R404A
Weight Gross / Net (kg)	122/111
Air Cooled Model(s)	IM-240NE, IM-240NE-23
Water Cooled Model(s)	IM-240WNE
Type of Ice	IM-240NE, IM-240WNE – Large Cube IM-240NE-23 – Medium / Large Cube





**ENHANCED MODEL**

## IM-24oANE

Production Capacity (kg/24h)	240
Dimensions W x D x H (mm)	560 x 700 x 880
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	1,3
Refrigerant	R404A
Weight Gross / Net (kg)	91/80
Corresponding Bins	B-301SA, B-501SA, B-801SA
Top Kits	See page 6.06 for Configurations
Air Cooled Model(s)	IM-240ANE, IM-240ANE-23
Water Cooled Model(s)	IM-240AWNE
Type of Ice	IM-240ANE, IM-240AWNE – Large Cube IM-240ANE-23 – Medium / Large Cube

## IM-24oD(W)NE / IM-24oX(W)NE / IM-24oDSME / IM-24oXSME

Production Capacity (kg/24h)	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
Weight Gross / Net (kg)	106/88
Corresponding Bins	B-801SA
Air Cooled Model(s)	IM-240DNE, IM-240DNE-23, IM-240DNE-32, IM-240XNE, IM-240XNE-23, IM-240XNE-32
Water Cooled Model(s)	IM-240DWNE, IM-240XWNE
Air Cooled Model(s) With External Condenser	IM-240DSME, IM-240DSME-23, IM-240XSME, IM-240XSME-23
Type of Ice	IM-240D(W)NE, IM-240X(W)NE, IM-240DSME, IM-240XSME – Large Cube IM-240DNE-23, IM-240XNE-23, IM-240DSME-23, IM-240XSME-23 – Medium / Large Cube IM-240DNE-32, IM-240XNE-32 – Extra Large Cube
Remote Condenser	URC-240CE
Extension Machines	IM-240XNE, IM-240XNE-23, IM-240XWNE

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

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



# IM Cylinder Ice Machines - Self Contained

www.hoshizaki-europe.com



## IM-65LE-C

Production Capacity (kg/24h)	55
Storage Bin Capacity (kg)	26
Dimensions W x D x H (mm)	633 x 506 x 850 (Legs Add 100-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,43
Refrigerant	R134a
Weight Gross / Net (kg)	69/63
Air Cooled Model(s)	IM-65LE-C
Type of Ice	Cylinder Ice



## IM-100LE-C

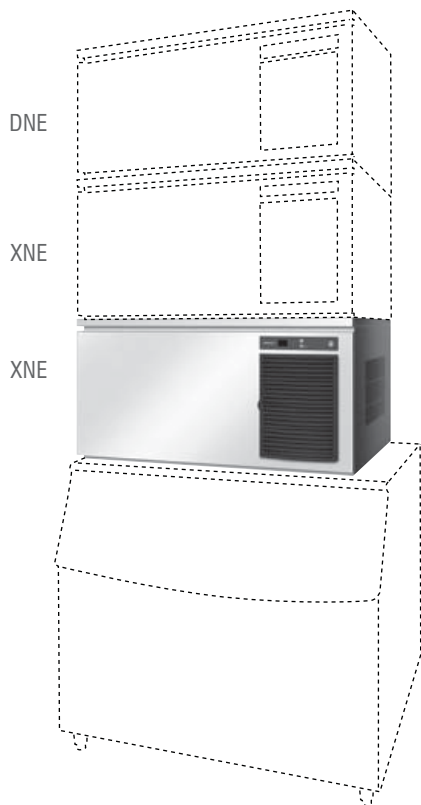
Production Capacity (kg/24h)	85
Storage Bin Capacity (kg)	50
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs Add 90-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,65
Refrigerant	R134a
Weight Gross / Net (kg)	90/80
Air Cooled Model(s)	IM-100LE-C
Type of Ice	Cylinder Ice



## IM-130ME-C

Production Capacity (kg/24h)	105
Storage Bin Capacity (kg)	50
Dimensions W x D x H (mm)	704 x 506 x 1200 (Legs Add 90-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,71
Refrigerant	R404A
Weight Gross / Net (kg)	90/80
Air Cooled Model(s)	IM-130ME-C
Type of Ice	Cylinder Ice





## IM-240DNE-C

Production Capacity (kg/24h)	240/480/720*
Dimensions W x D x H (mm)	220 x 440 x 660
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	1,33
Refrigerant	R404A
Weight Gross / Net (kg)	106/89
Corresponding Bins	B-801SA
Top Kits	See page 6.06 for Configurations
Air Cooled Model(s)	IM-240DNE-C
Water Cooled Model(s)	IM-240DWNE-C
Type of Ice	Cylinder Ice
Extension Machines	IM-240DNE-C, IM-240DWNE-C

\*IM-240XNE-C extension machine for 480 kg (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.



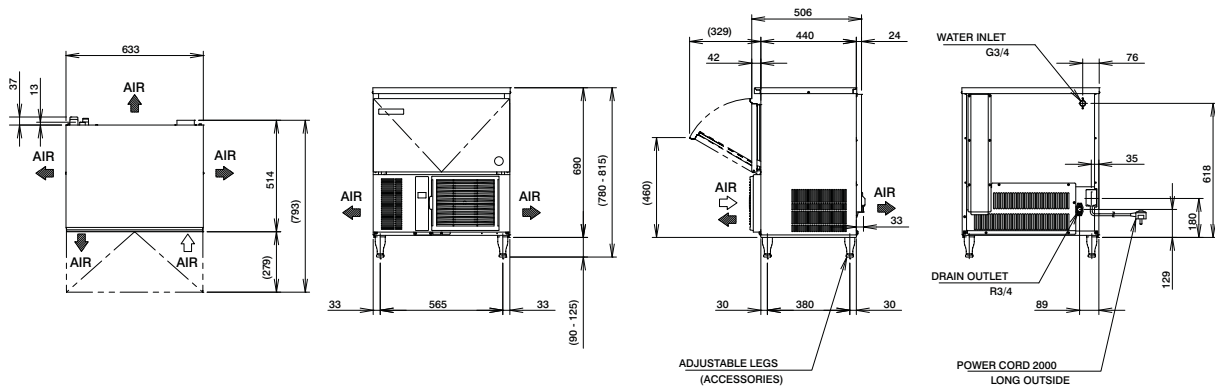
## IM-65LE-Q

Production Capacity (kg/24h)	26
Storage Bin Capacity (kg)	17
Dimensions W x D x H (mm)	633 x 506 x 870 (Legs Add 100-135mm)
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,39
Refrigerant	R134a
Weight Gross / Net (kg)	66/60
Air Cooled Model(s)	IM-65LE-Q
Type of Ice	Ball Ice

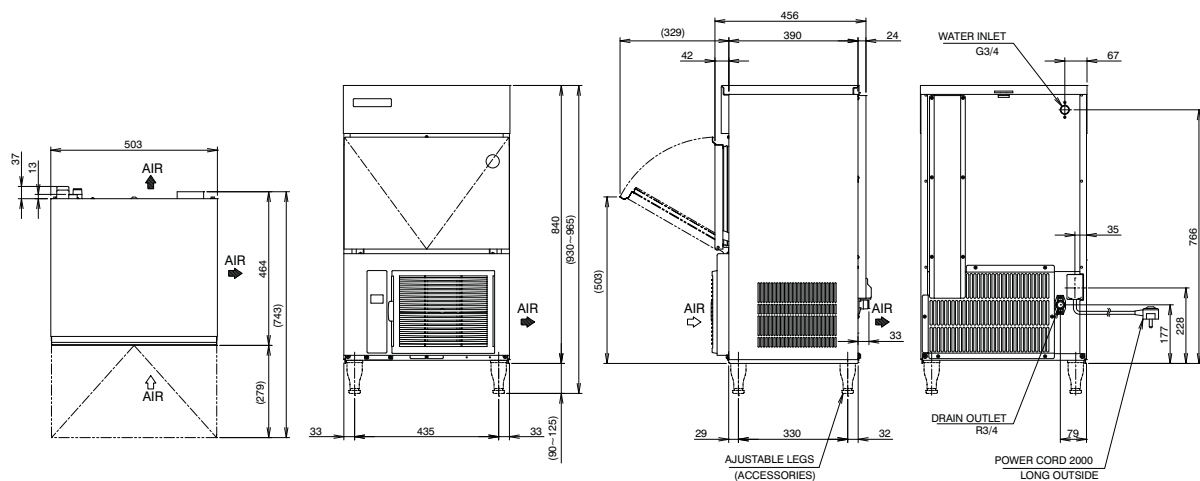




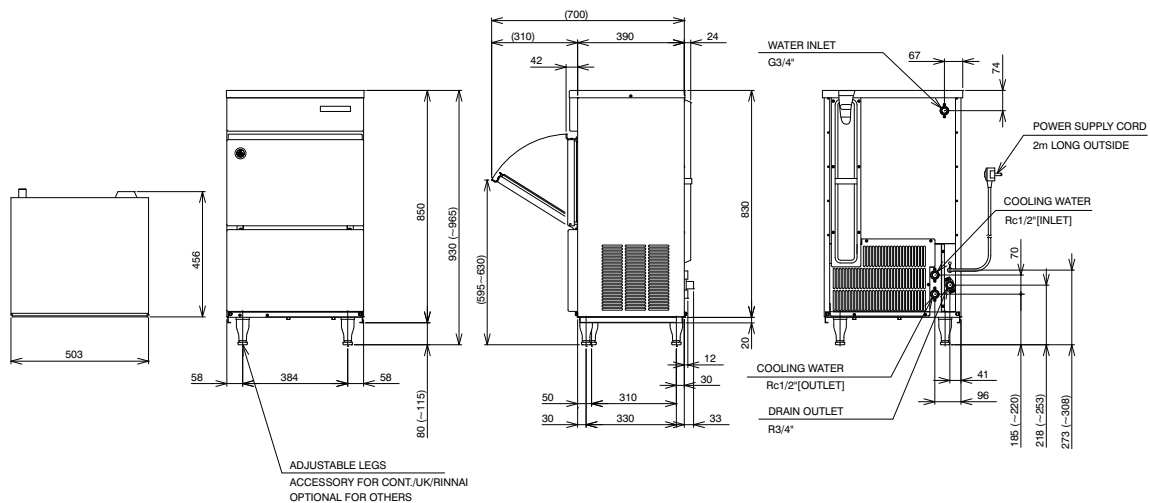
## IM-45CNE(-25)



## IM-45NE(-25)

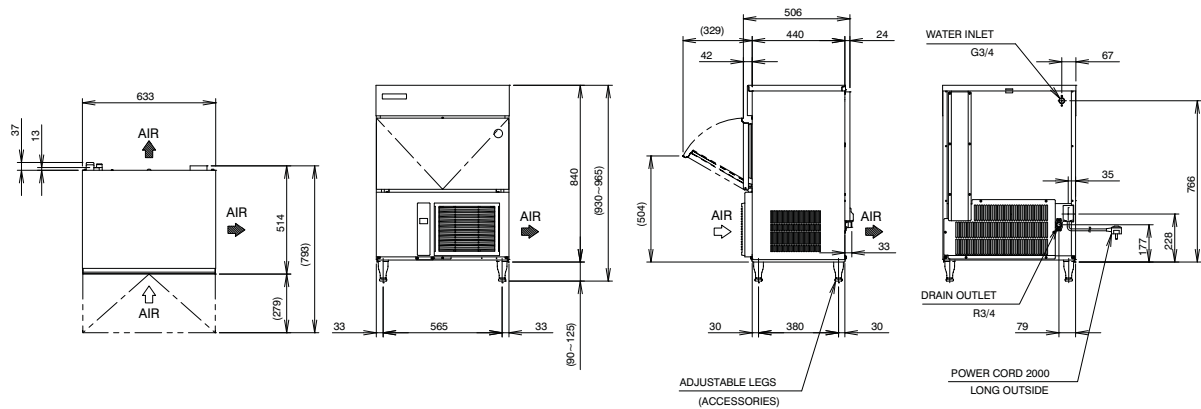


## IM-45WLE

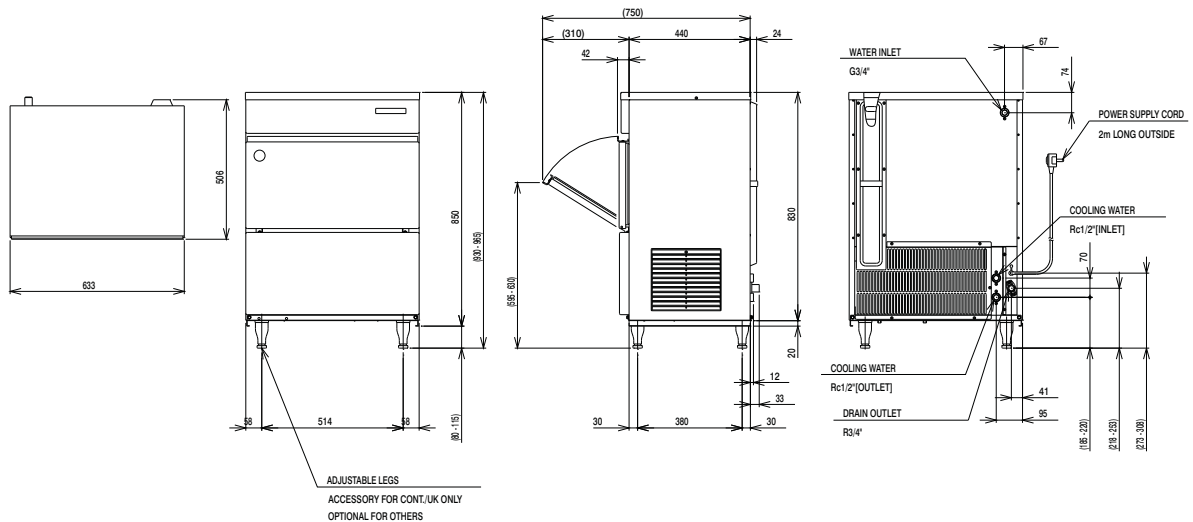




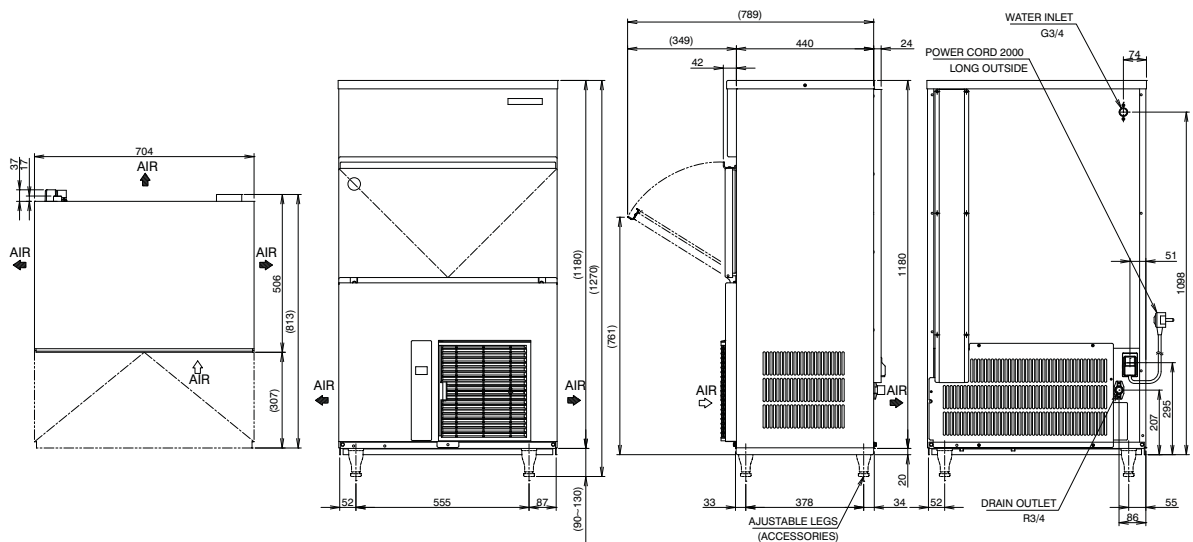
## IM-65NE(-25)



## IM-65WLE



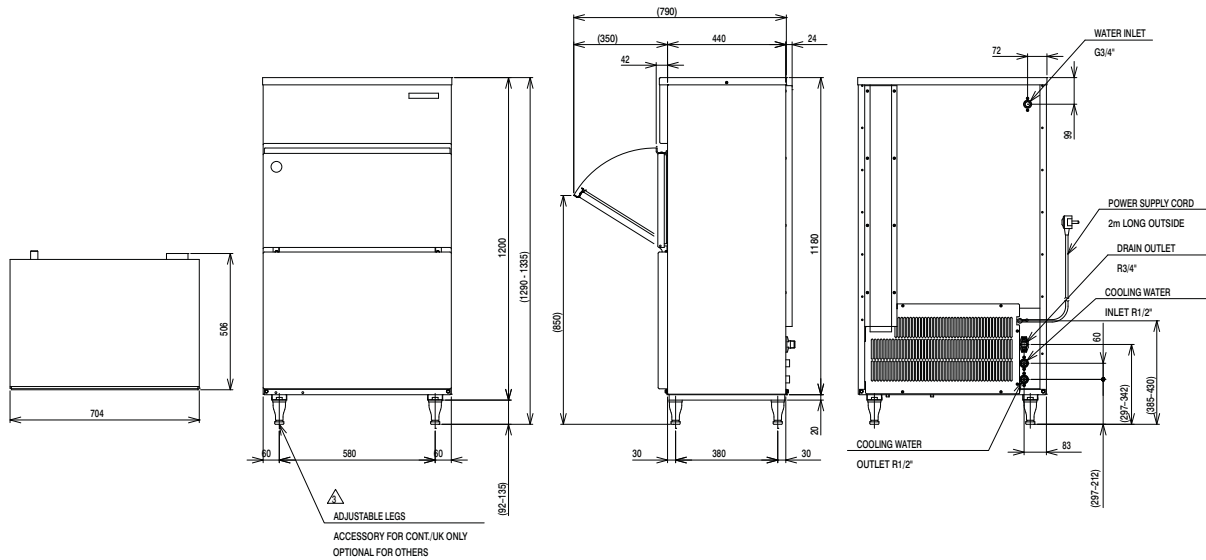
## IM-100NE(-23)



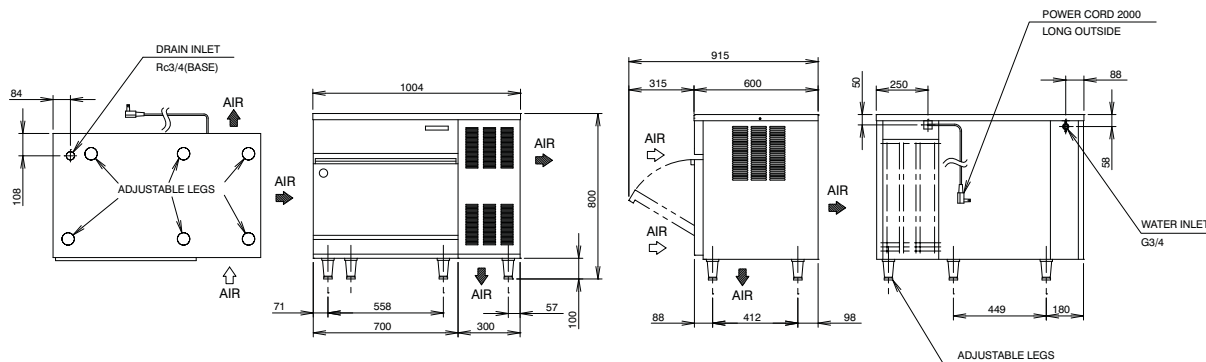




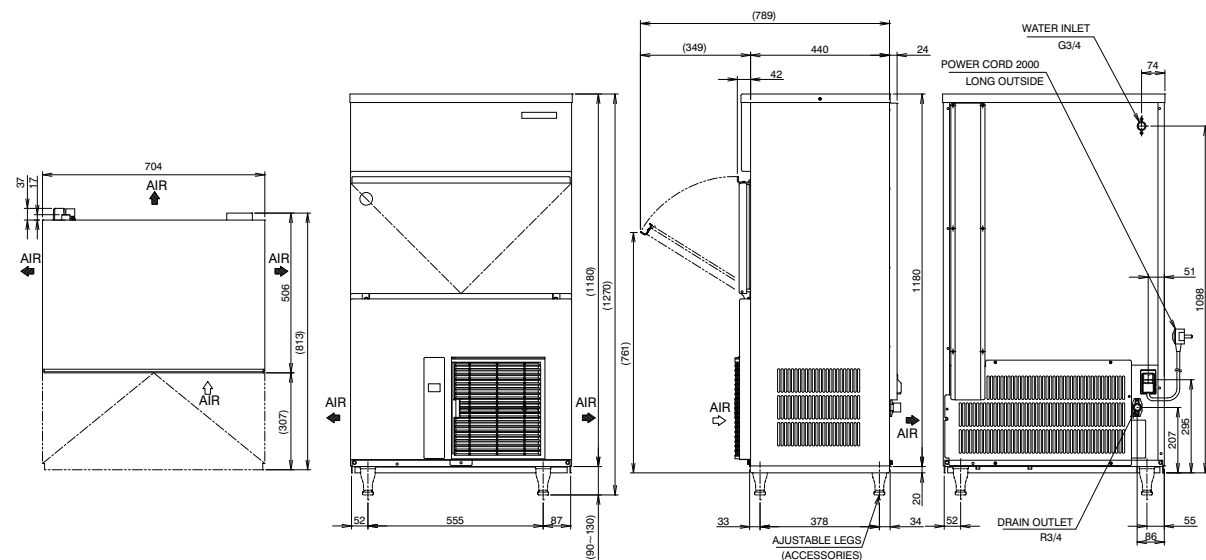
## IM-100WLE



## IM-100CLE(-23)

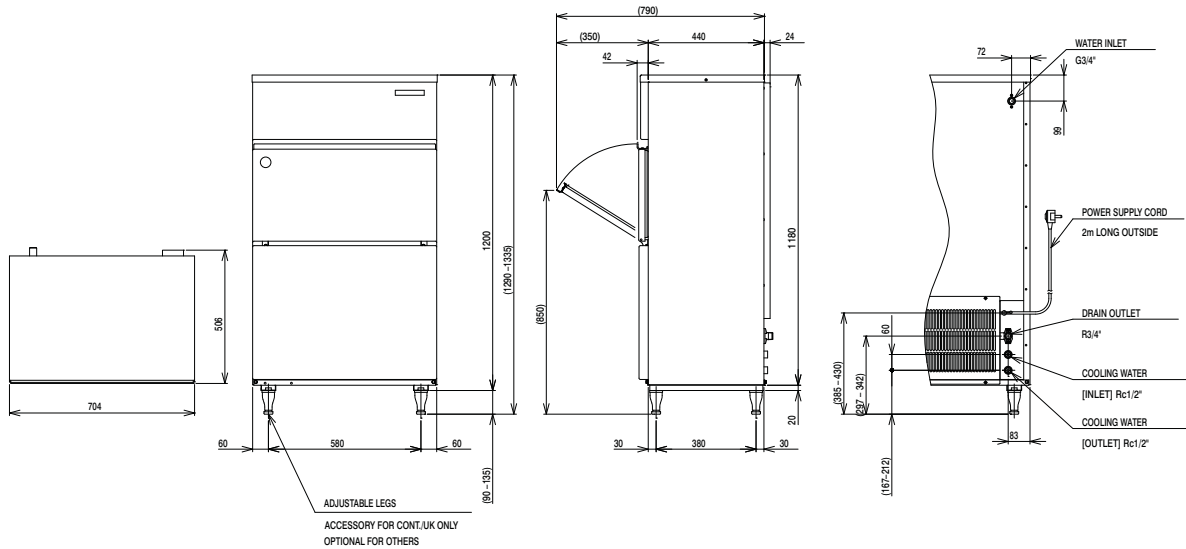


## IM-130NE(-23)

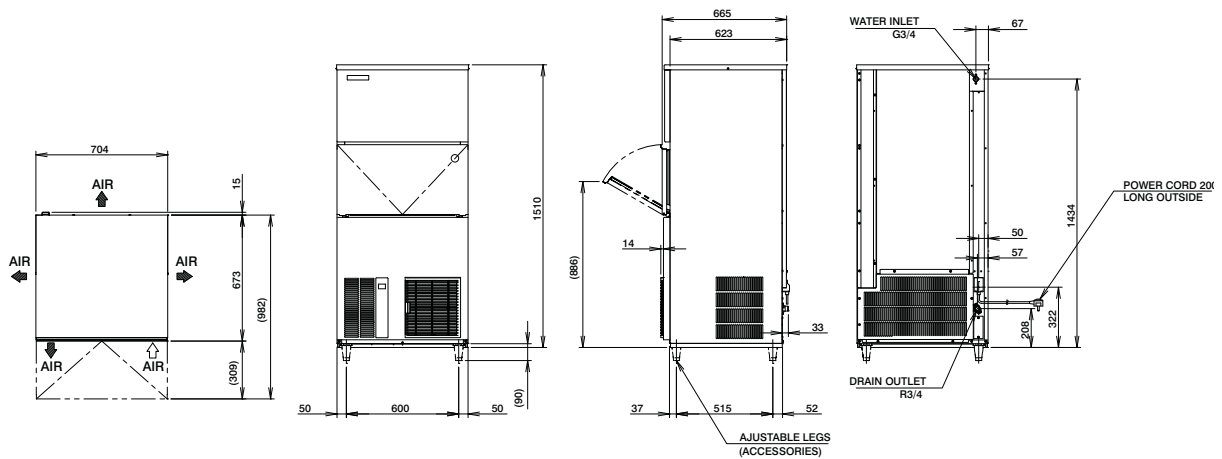




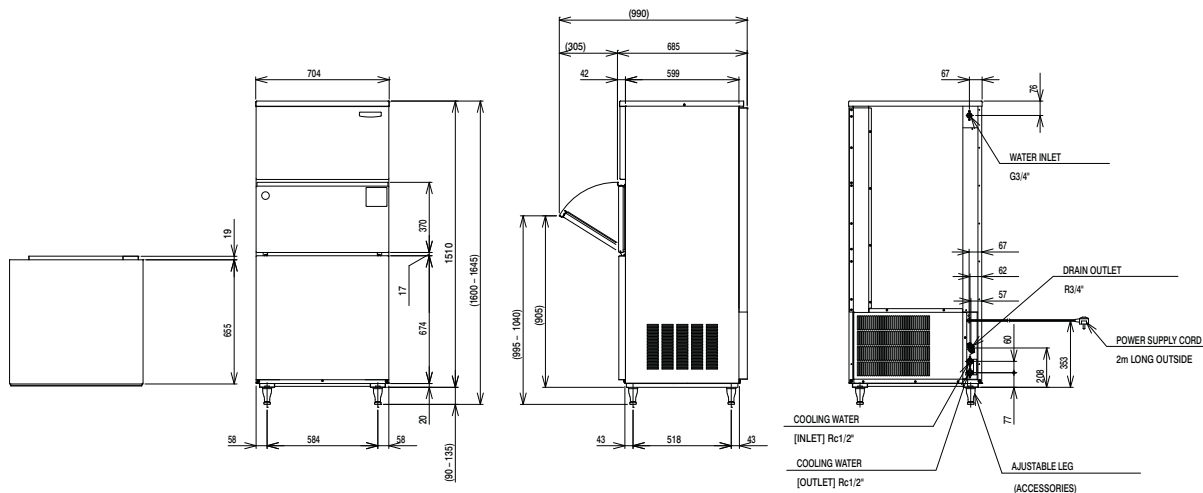
## IM-13oWME



## IM-24oNE(-23)

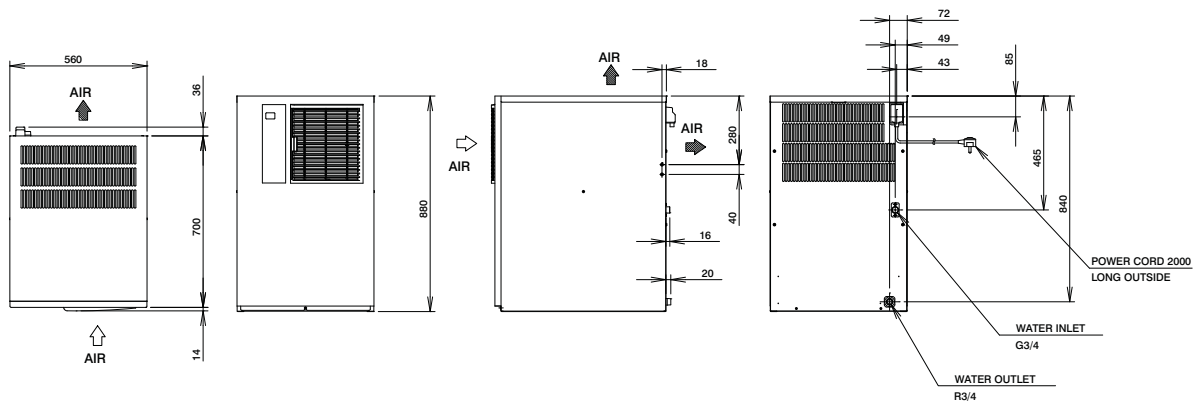


## IM-24oWNE

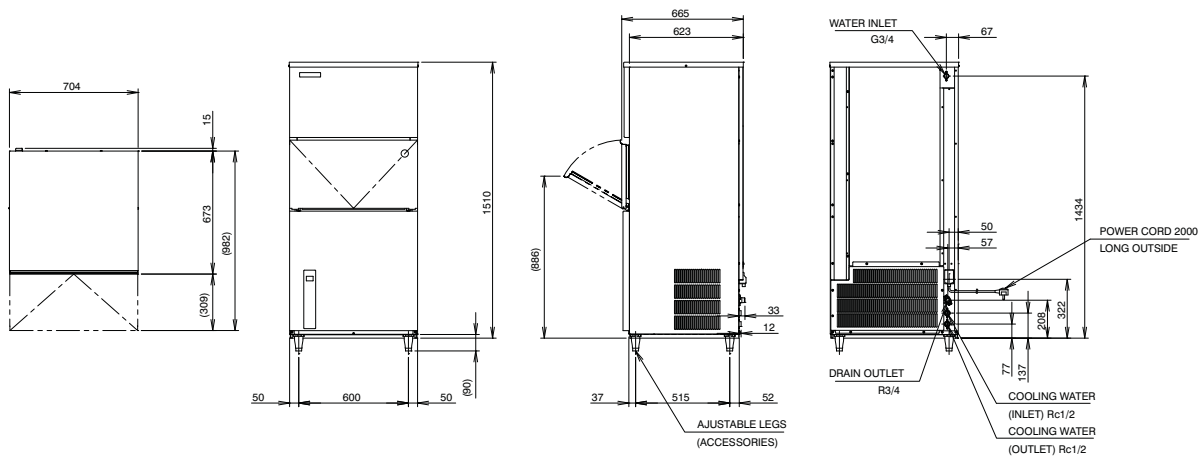




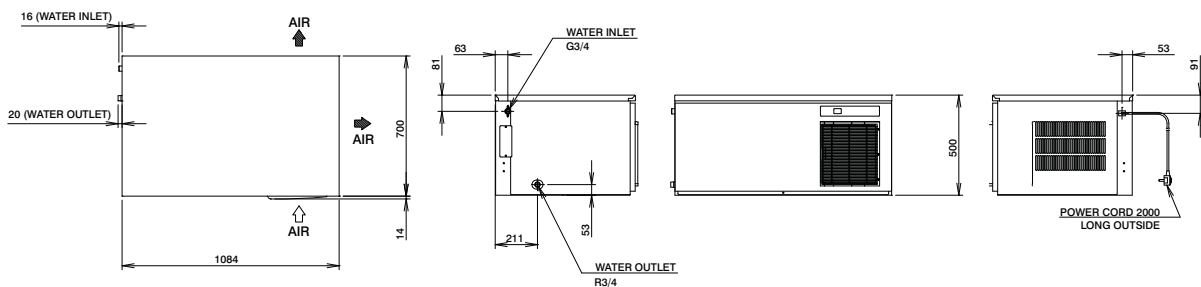
## IM-24oANE(-23)



## IM-24oAWNE

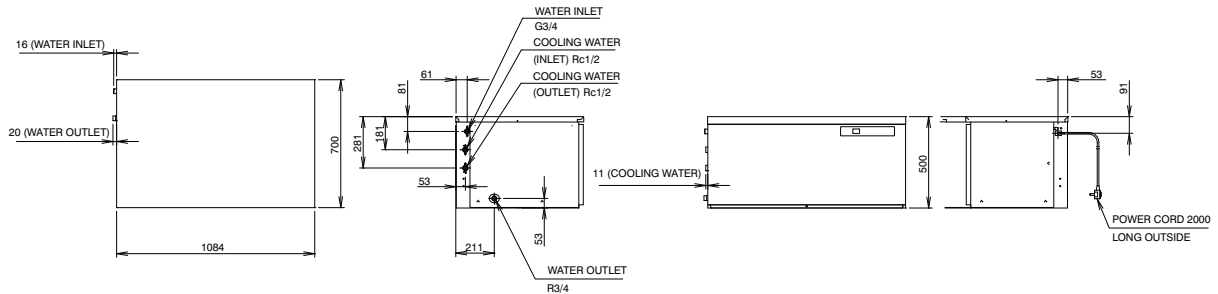


## IM-24oDNE(-23)(-32)

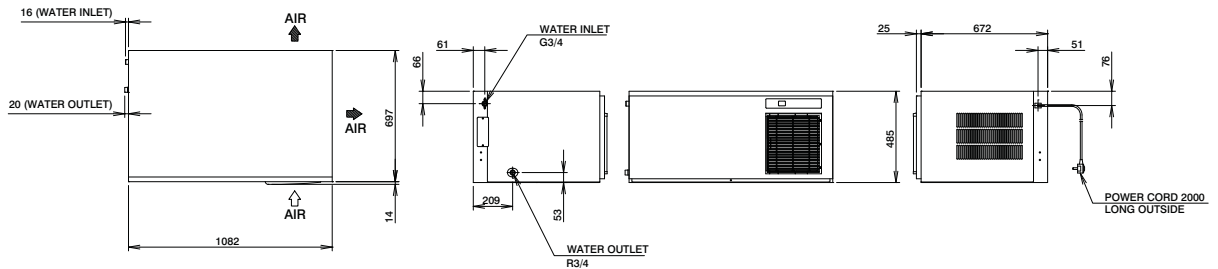




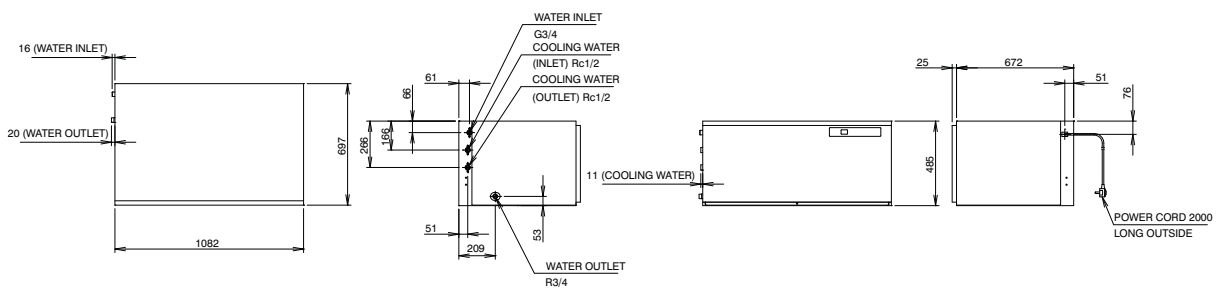
## IM-24oDWNE



## IM-24oXNE(-23)(-32)

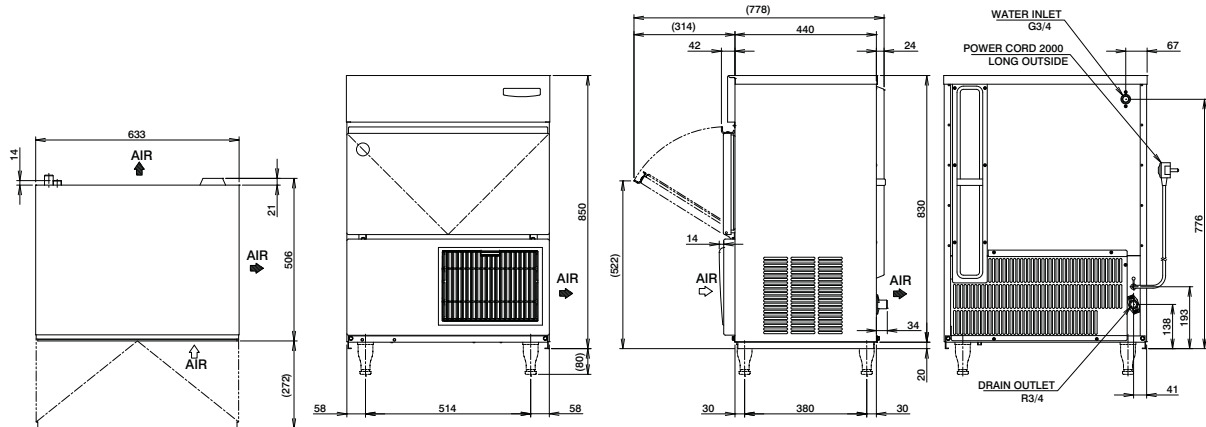


## IM-24oXWNE

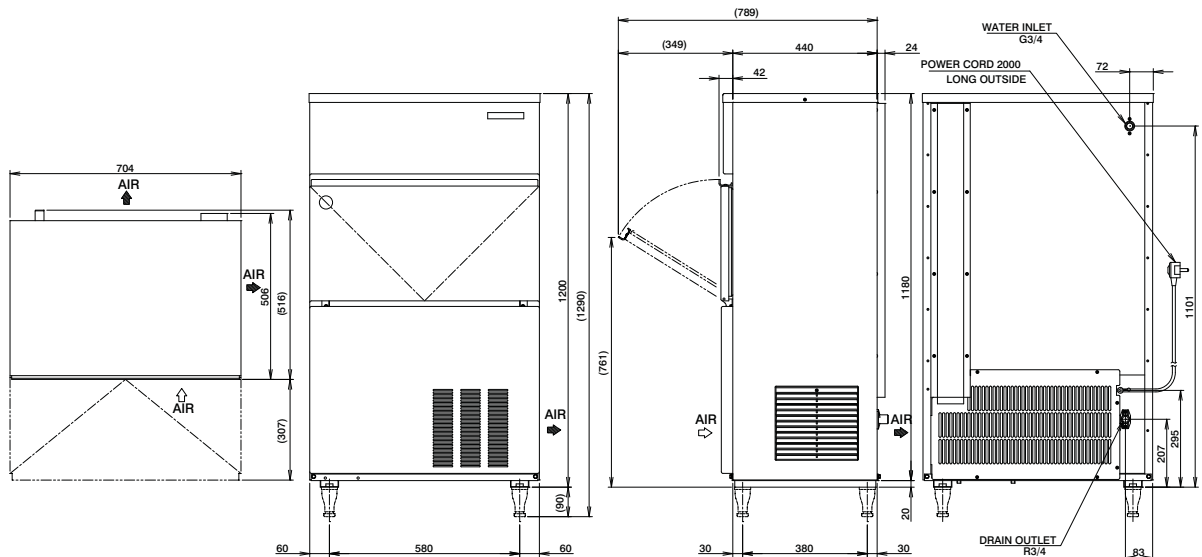




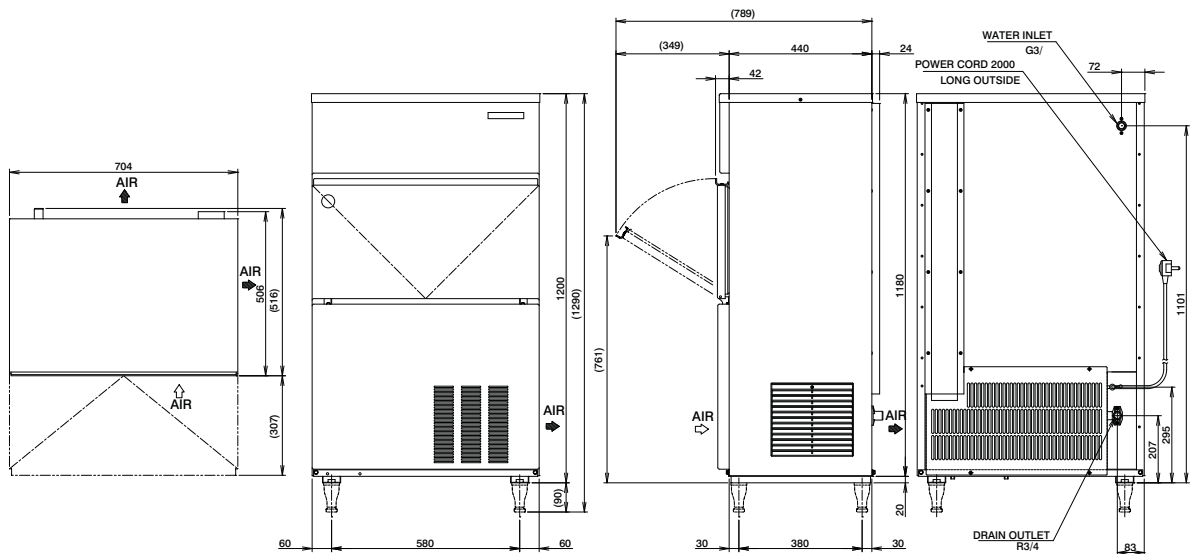
## IM-65LE-C



## IM-100LE-C



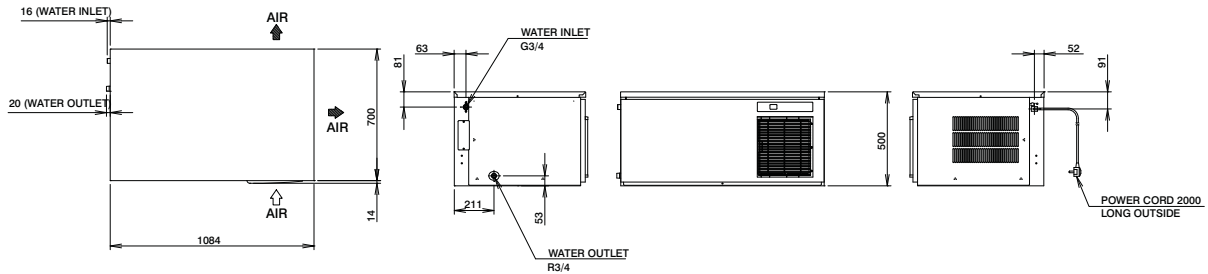
## IM-130ME-C



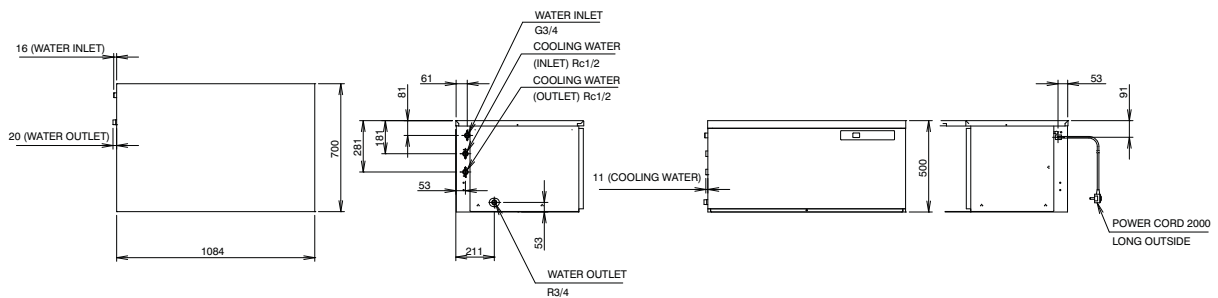




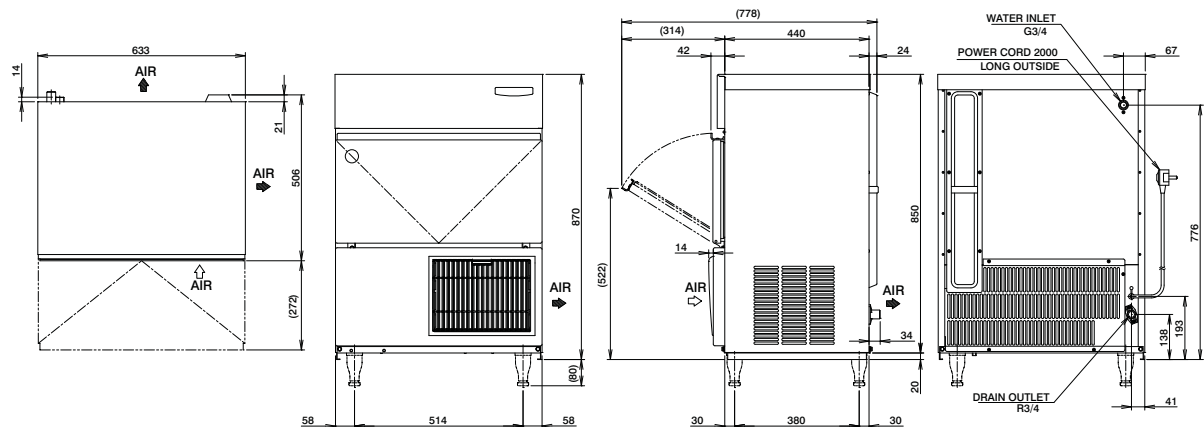
## IM-24oDNE-C / IM-24oXNE-C



## IM-24oDWNE-C / IM-24oXWNE-C



## IM-65LE-Q





# KM Product Highlights



KM machines produce clear, crescent shaped ice. The unique shape is extremely versatile and extends from the splash-free serving of post mix soft drinks through to diverse applications such as fish transportation, display and even laser therapy.



This range includes a double-sided stainless steel evaporator, which requires fewer cycles to produce a full bin of ice, thereby reducing energy consumption.



All units are easily accessible for service via the front of unit. This reduces the time it takes to complete maintenance tasks



Ice machines are computer controlled so the ice making process is optimised under varying circumstances without the need for physical adjustments.



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





## KM-35A

Production Capacity (kg/24h)	36
Storage Bin Capacity (kg)	16
Dimensions W x D x H (mm)	450 x 610 x 840
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,195
Refrigerant	R134a
Weight Gross / Net (kg)	49/39
Air Cooled Model(s)	KM-35A
Type of Ice	Crescent
Optional	Set of 4 legs. Adds 90 - 135mm to height



## KM-50A

Production Capacity (kg/24h)	52
Storage Bin Capacity (kg)	23
Dimensions W x D x H (mm)	603 x 610 x 840
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,33
Refrigerant	R134a
Weight Gross / Net (kg)	58/46
Air Cooled Model(s)	KM-50A
Type of Ice	Crescent
Optional	Set of 4 legs. Adds 90 - 135mm to height



## KM-75A

Production Capacity (kg/24h)	72
Storage Bin Capacity (kg)	40
Dimensions W x D x H (mm)	603 x 712 x 840
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,412
Refrigerant	R134a
Weight Gross / Net (kg)	64/51
Air Cooled Model(s)	KM-75A
Type of Ice	Crescent
Optional	Set of 4 legs. Adds 90 - 135mm to height



## KM-100A

Production Capacity (kg/24h)	101
Storage Bin Capacity (kg)	45
Dimensions W x D x H (mm)	610 x 712 x 992
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,584
Refrigerant	R404A
Weight Gross / Net (kg)	75/62
Air Cooled Model(s)	KM-100A
Type of Ice	Crescent



## KM-125A

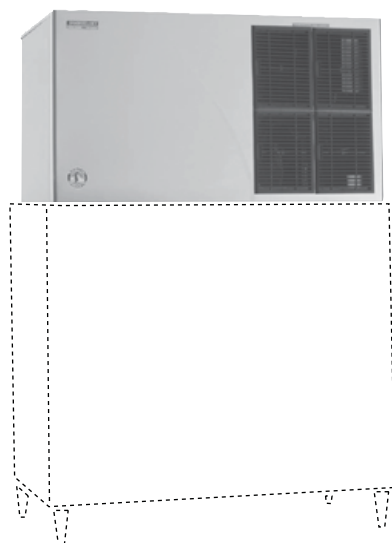
Production Capacity (kg/24h)	128
Storage Bin Capacity (kg)	55
Dimensions W x D x H (mm)	762 x 712 x 992
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,774
Refrigerant	R404A
Weight Gross / Net (kg)	85/70
Air Cooled Model(s)	KM-125A
Type of Ice	Crescent





## KM-650MAH-E

Production Capacity (kg/24h)	333
Dimensions W x D x H (mm)	560 x 695 x 950
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	1,4
Refrigerant	R404A
Weight Gross / Net (kg)	75
Air Cooled Model(s)	KM-650MAH-E
Type of Ice	Crescent
Corresponding Bins	B-301SA, B-501SA, B-801SA



## KM-1301SAH-E

Production Capacity (kg/24h)	600
Dimensions W x D x H (mm)	1219 x 695 x 695
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	2,5
Refrigerant	R404A
Weight Gross / Net (kg)	125
Corresponding Bins	B-801SA
Air cooled model(s)	KM-1301SAH-E
Water Cooled Model(s)	KM-1301SWH-E
Type of Ice	Crescent
Remote Condenser Unit	KM-1301SRH-E
Remote Condenser	URC14FE
Remote Condenser Connection Set	OS Quick

KM-1301 can be stacked 2 high for 1200kg production



## KMD-201AA

Production Capacity (kg/24h)	190
Dimensions W x D x H (mm)	560 x 625 x 610
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,65
Refrigerant	R404A
Weight Gross / Net (kg)	73/57
Corresponding Bins	B-301SA, B-501SA, B-801SA and Lancer dispensers
Air cooled Model(s)	KMD-201AA
Water Cooled Model(s)	KMD-201AWA
Type of Ice	Crescent



KMD-201AA on top of Lancer dispenser IBD4400



## KMD-270AA

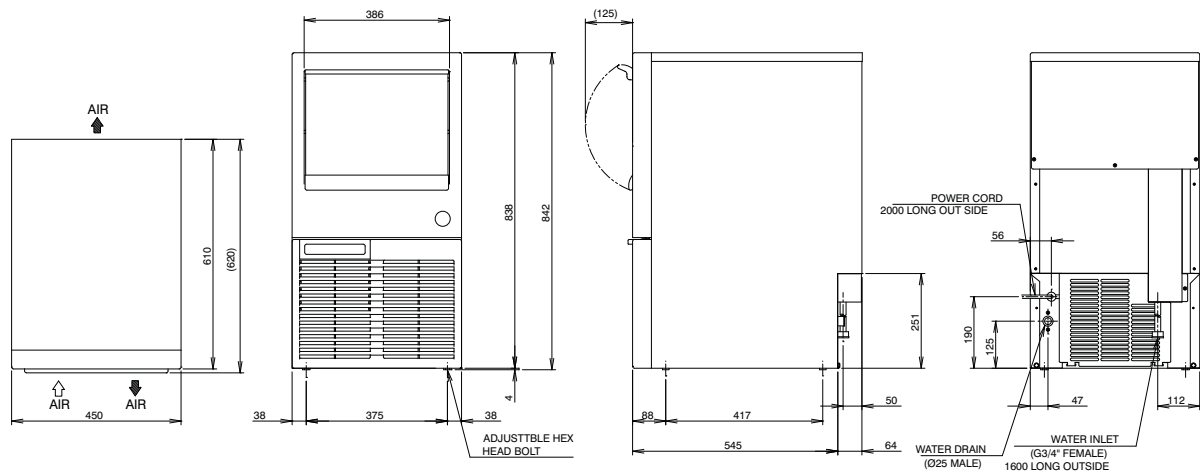
Production Capacity (kg/24h)	265
Dimensions W x D x H (mm)	560 x 625 x 610
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	1,67
Refrigerant	R404A
Weight Gross / Net (kg)	73/57
Corresponding Bins	B-301SA, B-501SA, B-801SA and Lancer dispensers
Air cooled Model(s)	KMD-270AA
Water Cooled Model(s)	KMD-270AWA
Type of Ice	Crescent



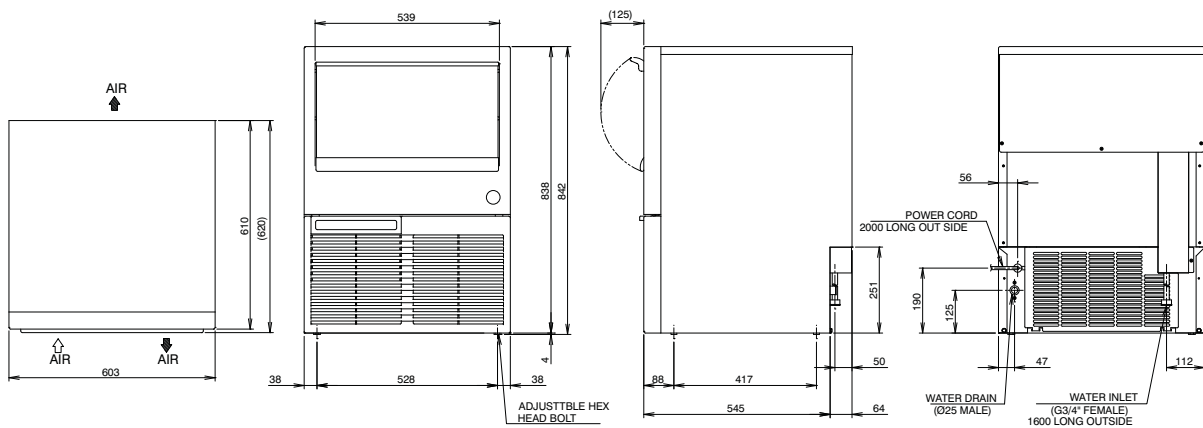




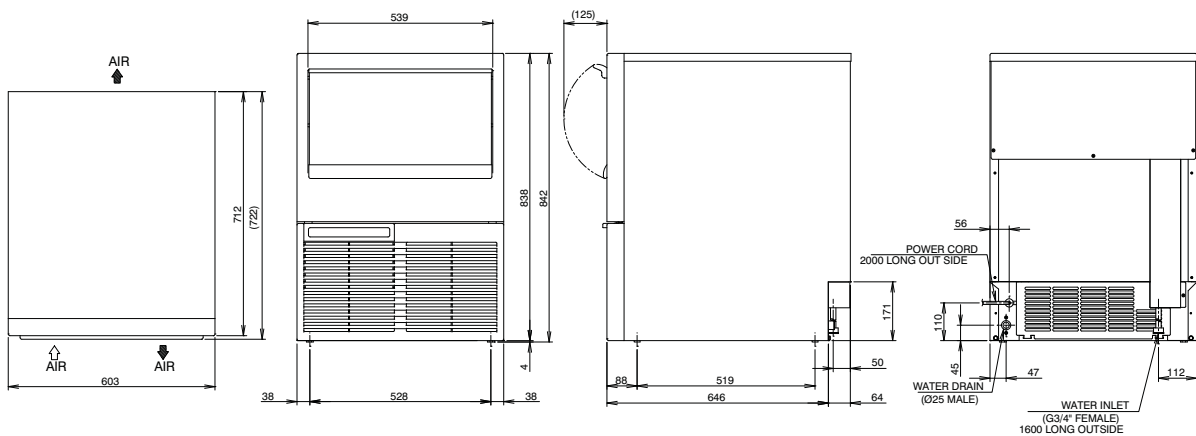
## KM-35A



## KM-50A

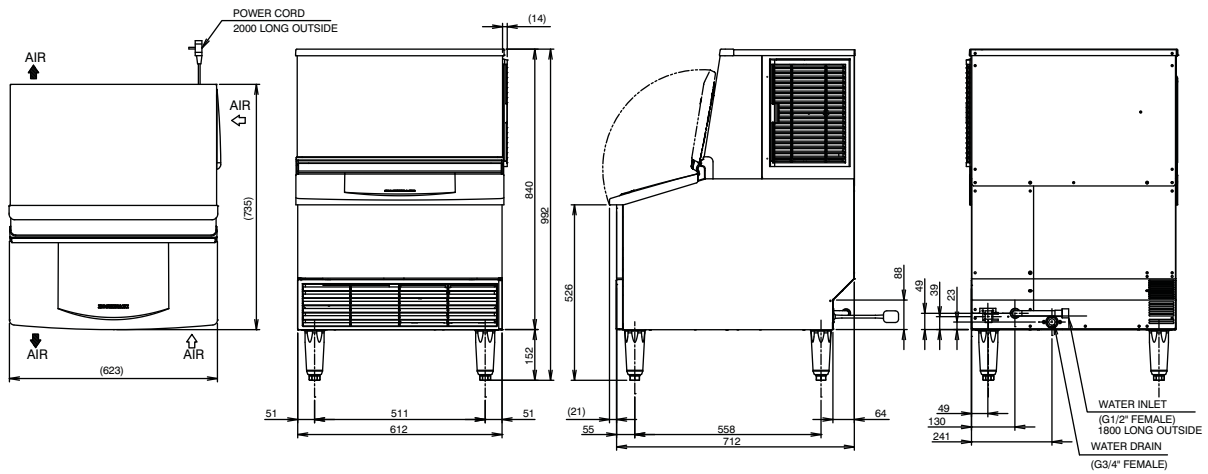


## KM-75A

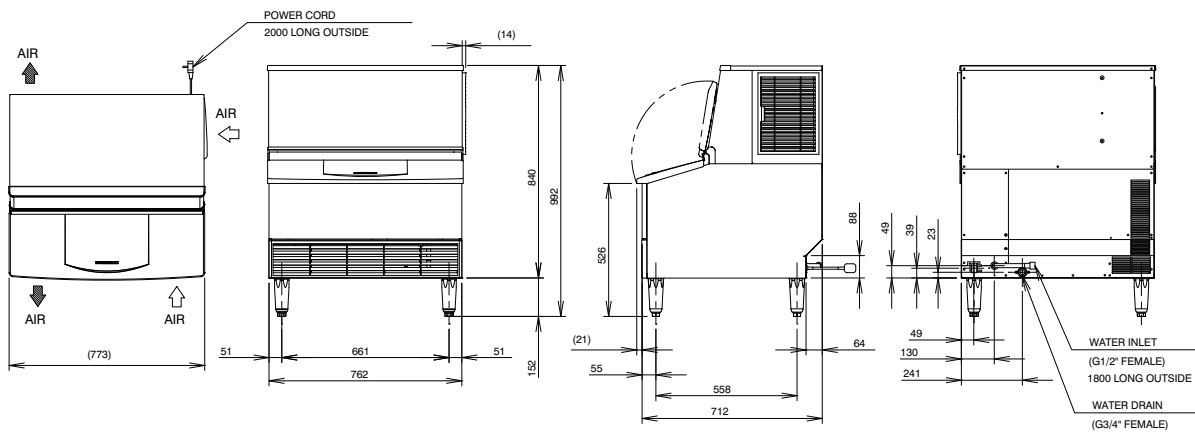




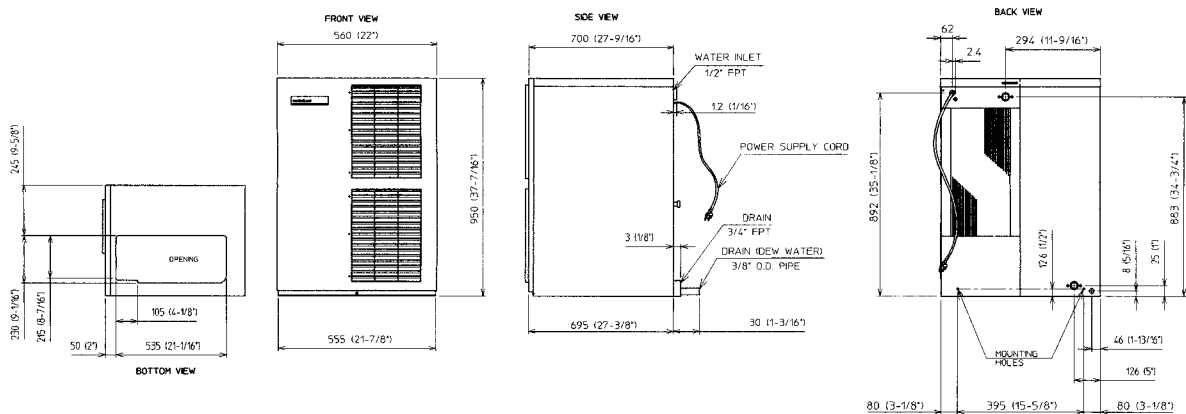
## KM-100A



## KM-125A

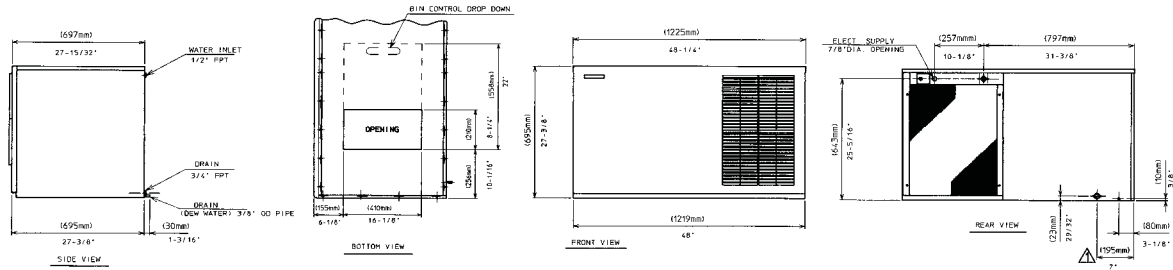


## KM-650MAH-E

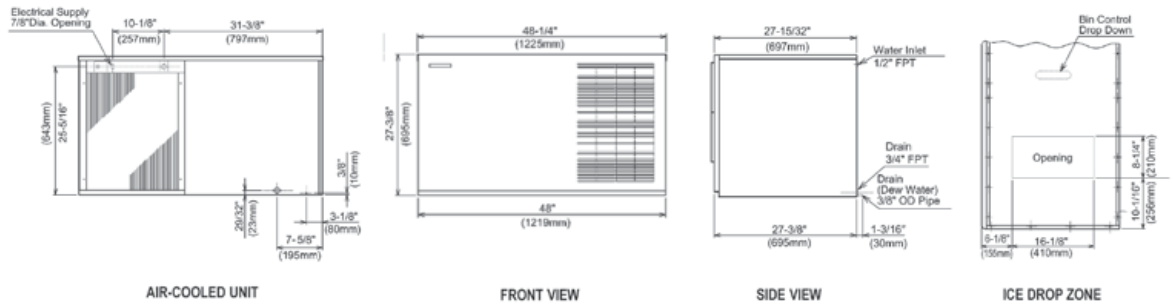




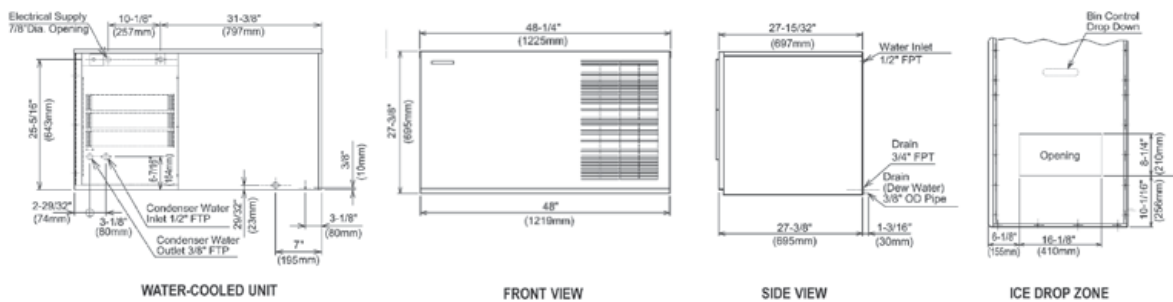
## KM-1301SAH-E



## KM-1301SRH-E

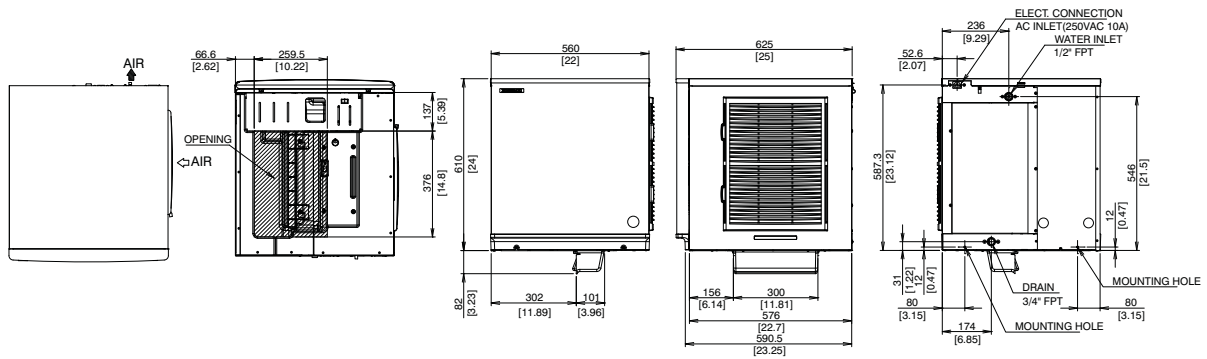


## KM-1301SWH-E

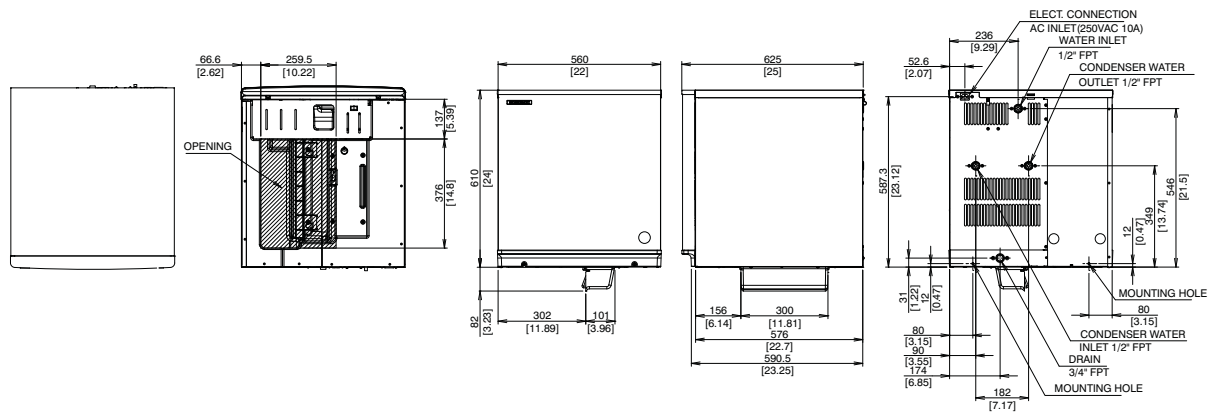




## KMD-201AA

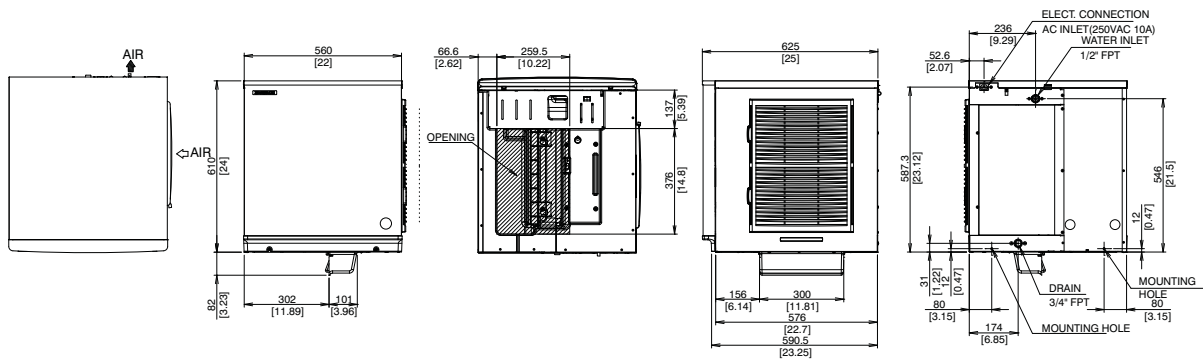


## KMD-201AWA

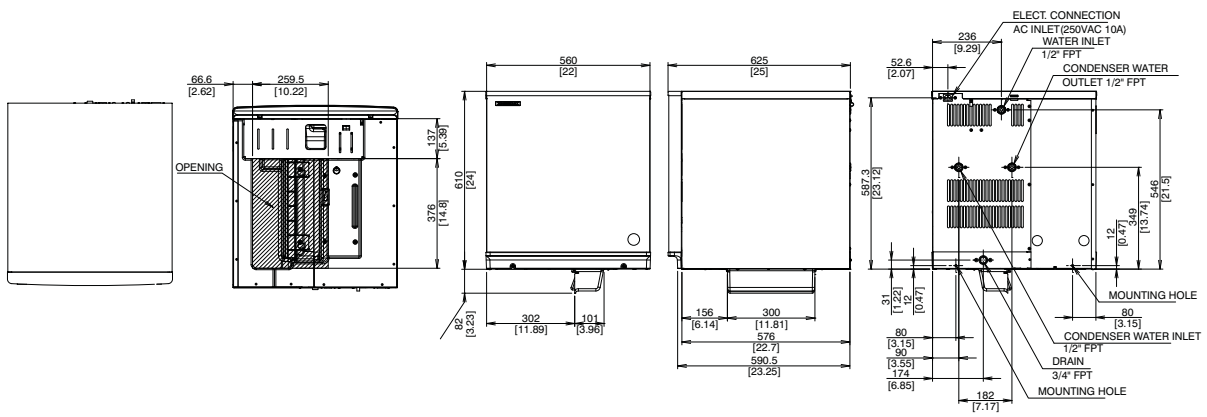




## KMD-27oAA



## KMD-27oAWA





## FM Product Highlights

The FM series produce flake/nugget ice, with the nugget ice compressed during production to make it long-lasting. The flake and nugget ice is popular for a variety of cooling purposes including the display of fish and fresh produce, and also in the medical world for cooling blood and organs.



The characteristics of the ice produced by Hoshizaki ice makers means that 'freeze- burn' is no longer an issue when displaying fresh fish or produce.



Carbon auger bearings are used within this range and they are far more robust than roller bearings, enhancing product life expectancy and also reducing maintenance costs.



**Flake**



**Nugget**



**Cubelet Ice**

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

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

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





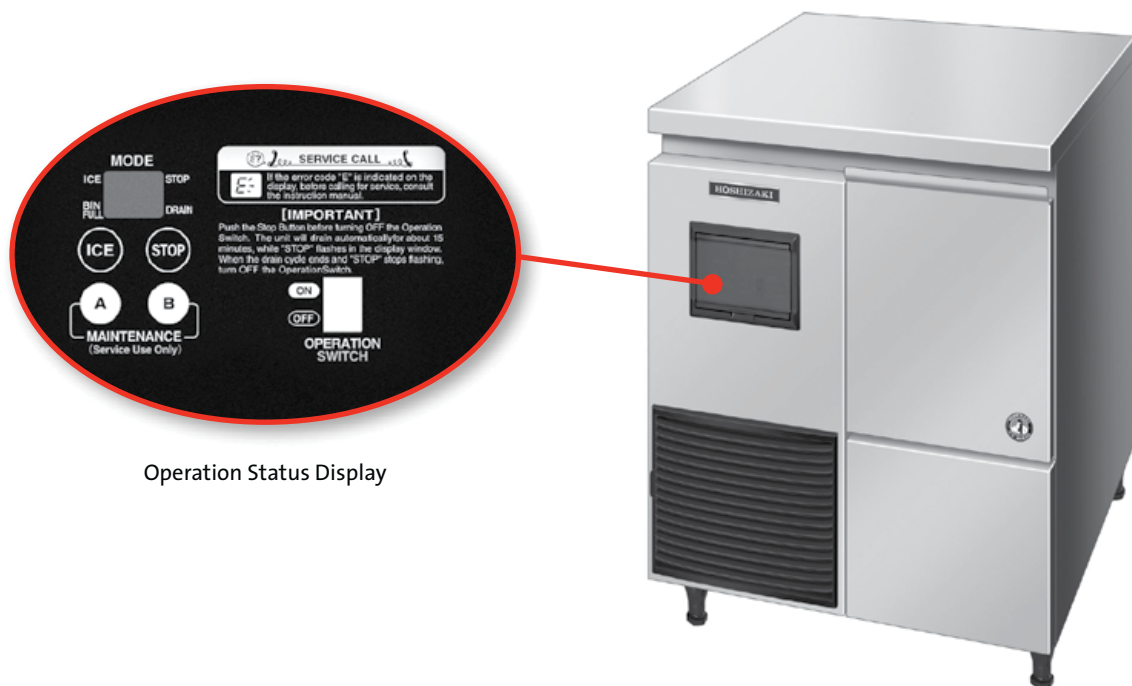


# NEW Updates to the FM and CM Range of Ice Makers

The new range of self-contained Flake (FM), Nugget and Cubelet (CM) machines offer new features and enhancements.

Notable Improvements include:

- Automatic Flush Function – regular flushing to keep the ice making system clean
- One piece bin moulding – round corners are more hygienic and are easier to keep clean
- Integrated door handle design – for ease of opening and cleaning
- FM-150KE offers increased ice production capacity from model FM-120EE
- Controller board with Operation Status Display now easier to access - ensuring product durability and lower maintenance costs



Operation Status Display

Please note the following model name changes from the EE Series to K Series:

Ice Type	Former EE Series	New and Improved K Series
Flake	FM-120EE	FM-150KE
	FM-120EE-50	FM-150KE-50
	FM-80EE	FM-80KE
Nugget	FM-120EE-N	FM-150KE-N
	FM-120EE-50-N	FM-150KE-50-N
	FM-80EE-N	FM-80KE-N
Cubelet	CM-110EE	CM-140KE



## FM-80KE

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



## FM-150KE

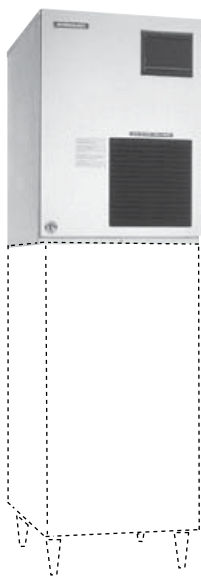
Production Capacity (kg/24h)	150(F) / 140(N) / 140(C)
Storage Bin Capacity (kg)	26
Dimensions W x D x H (mm)	640 x 600 x 800
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,52
Refrigerant	R134a
Weight Gross / Net (kg)	82/71
Air Cooled Model(s)	FM-150KE, FM-150KE-N, CM-140KE
Type of Ice	FM-150KE – Flake Ice FM-150KE-N – Nugget Ice CM-140KE – Cubelet Ice



## FM-150KE-50

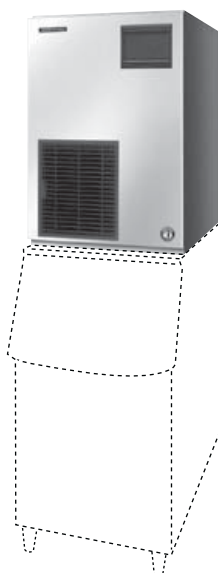
Production Capacity (kg/24h)	150(F) / 140(N)
Storage Bin Capacity (kg)	57
Dimensions W x D x H (mm)	940 x 600 x 800
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,52
Refrigerant	R134a
Weight Gross / Net (kg)	94/81
Air Cooled Model(s)	FM-150KE-50, FM-150KE-50-N
Type of Ice	FM-150KE-50 – Flake Ice FM-150KE-50-N – Nugget Ice





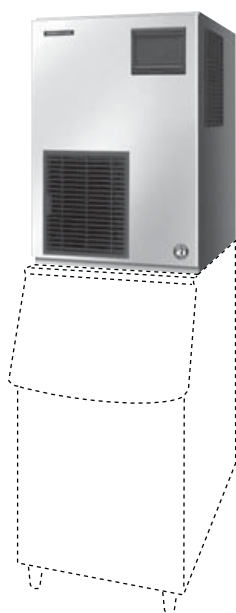
## FM-170AFE

Production Capacity (kg/24h)	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)	0,62
Refrigerant	R134a
Weight Gross / Net (kg)	87/75
Corresponding Bins	B-301SA, B-501SA, B-801SA
Air Cooled Model(s)	FM-170AFE, FM-170AFE-N
Type of Ice	FM-170AFE – Flake Ice FM-170AFE-N – Nugget Ice



## FM-300AKE

Production Capacity (kg/24h)	320(F) / 270(F)
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
Weight Gross / Net (kg)	87/80
Corresponding Bins	B-301SA, B-501SA, B-801SA
Air Cooled Model(s)	FM-300AKE, FM-300AKE-N
Type of Ice	FM-300AKE – Flake Ice FM-300AKE-N – Nugget Ice



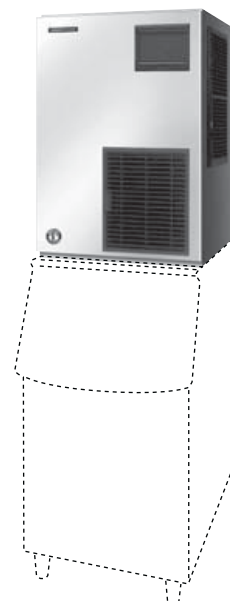
## FM-480AKE

Production Capacity (kg/24h)	500(F) / 430(F)
Dimensions W x D x H (mm)	560 x 700 x 780
Electrical Supply	1/230V/50Hz
Electrical Capacity (kW)	1,65
Refrigerant	R404A
Weight Gross / Net (kg)	102/95
Corresponding Bins	B-301SA, B-501SA, B-801SA
Air Cooled Model(s)	FM-480AKE, FM-480AKE-N
Air cooled Remote Model(s)	FM-481ALGE, FM-481ALGE-N
Type of Ice	FM-480AKE, FM-481ALGE – Flake Ice FM-480AKE-N – Nugget Ice FM-481ALGE-N – Nugget Ice



## FM-600AKE

Production Capacity (kg/24h)	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)	1,95
Refrigerant	R404A
Weight Gross / Net (kg)	114/107
Corresponding Bins	B-301SA, B-501SA, B-801SA
Air Cooled Model(s)	FM-600AKE, FM-600AKE-N
Water Cooled Model(s)	FM-600AWHE, FM-600AWHE-N
Type of Ice	FM-600AKE, FM-600AWHE – Flake Ice FM-600AKE-N – Nugget Ice FM-600AWHE-N – Nugget Ice



## FM-750AKE

Production Capacity (kg/24h)	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)	1,7
Refrigerant	R404A
Weight Gross / Net (kg)	143/133
Corresponding Bins	B-301SA, B-501SA, B-801SA
Air Cooled Model(s)	FM-750AKE, FM-750AKE-N
Type of Ice	FM-750AKE – Flake Ice FM-750AKE-N – Nugget Ice



## FM-1000AKE

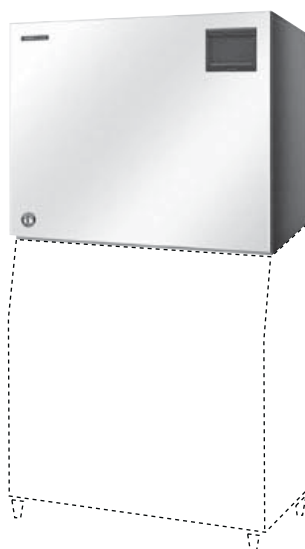
Production Capacity (kg/24h)	1030(F) / 860(N)
Dimensions W x D x H (mm)	762 x 700 x 780
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	2,49
Refrigerant	R404A
Weight Gross / Net (kg)	156/146
Corresponding Bins	B-501SA, B-801SA
Air Cooled Model(s)	FM-1000AKE, FM-1000AKE-N
Type of Ice	FM-1000AKE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





## FM-1200ALKE

Production Capacity (kg/24h)	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
Refrigerant	R404A
Weight Gross / Net (kg)	108/98
Excluding the Remote Refrigeration Unit	2,83kW – -25°C
Corresponding Bins	B-501SA, B-801SA
Air Cooled Model(s) Without Refrigeration Unit	FM-1200ALKE, FM-1200ALKE-N
Type of Ice	FM-1200ALKE – Flake Ice FM-1200ALKE-N – Nugget Ice



## FM-1800ALKE

Production Capacity (kg/24h)	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
Refrigerant	R404A
Weight Gross / Net (kg)	155/140
Excluding the Remote Refrigeration Unit	4,3kW – -25°C
Corresponding Bins	B-801SA
Air Cooled Model(s) Without Refrigeration Unit	FM-1800ALKE, FM-1800ALKE-N
Type of Ice	FM-1800ALKE – Flake Ice FM-1800ALKE-N – Nugget Ice



# FM Hydrocarbon Machines

Hydrocarbons have proven to be more energy- efficient than most conventional refrigerant systems. We use an extremely low level of the refrigerant R290 (propane) within our fully compliant hydrocarbon FM series ice makers, using well below the legal allowance of hydrocarbon. Our FM-481AGE-HC hydrocarbon ice maker uses a total charge of only 156gr of R290 within a dual system whereas the equivalent R404a version utilizes a charge of 770gr. When using hydrocarbon R290 ice makers, energy consumption is lowered by up to 20% in one unit which also reduces carbon emissions from energy suppliers (power stations) and saves on operators running costs.



Hoshizaki's HFC Free units within the FM series use 100% HFC free CO<sup>2</sup> foam insulation which helps to further reduce running costs by maintaining a uniform unit temperature and also contributes to reducing direct Green House Gas emissions.

The molecular make up of hydrocarbons means that they are able to work at lower pressures to reduce the stress on the system units. This has the added potential benefit of reducing compressor running times, all contributing to a lower operating temperature, less heat and noise, more durable components and extended machine lifespan. This combined with the high quality and durable designs of Hoshizaki units means that operators will see a long term return on their equipment investment.

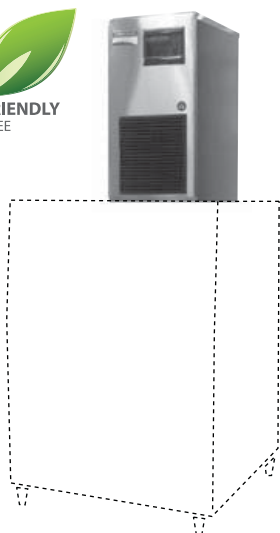






## FM-170EE-50-HC

Production Capacity (kg/24h)	165
Storage Bin Capacity (kg)	57
Dimensions W x D x H (mm)	940 x 600 x 800
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,49
Refrigerant	R290
Weight Gross / Net (kg)	81
Air Cooled Model(s)	FM-170EE-50-HC, FM-150EE-HC-N
Type of Ice	FM-170EE-50-HC – Flake Ice FM-170EE-50-HC-N – Nugget Ice



## FM-300AFE-HC

Production Capacity (kg/24h)	292
Dimensions W x D x H (mm)	388 x 800 x 780
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,852
Refrigerant	R290 (82g)
Weight Gross / Net (kg)	85
Corresponding Bins	B-301SA, B-501SA, B-801SA
Air Cooled Model(s)	FM-300AFE-HC, FM-300AFE-HC-N
Type of Ice	FM-300AFE-HC – Flake Ice FM-300AFE-HC-N – Nugget Ice

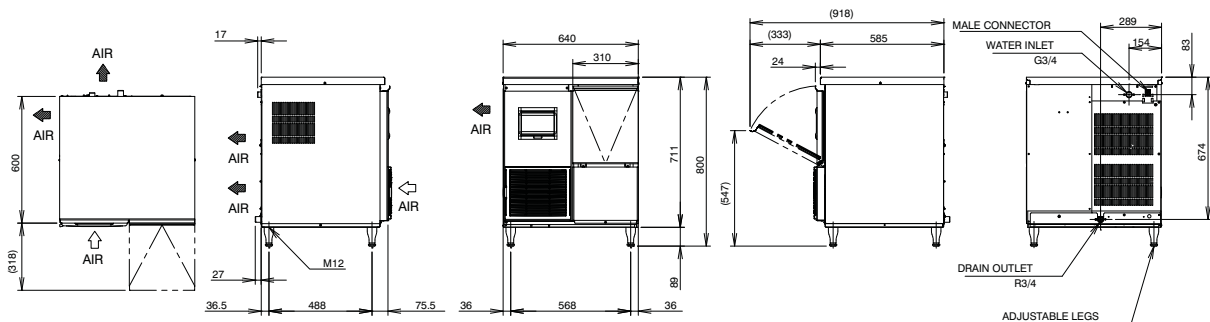


## FM-481AGE-HC

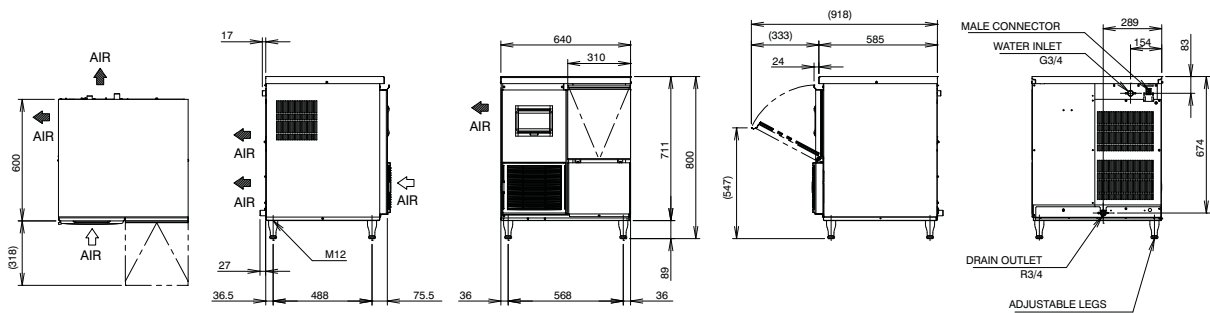
Production Capacity (kg/24h)	450
Dimensions W x D x H (mm)	560 x 720 x 780
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	1,665
Refrigerant	R290 (78g + 78g)
Weight Gross / Net (kg)	105
Corresponding Bins	B-301SA, B-501SA, B-801SA
Air Cooled Model(s)	FM-481AGE-HC, FM-481AGE-HC-N
Type of Ice	FM-481AGE-HC – Flake Ice FM-481AGE-HC-N – Nugget Ice



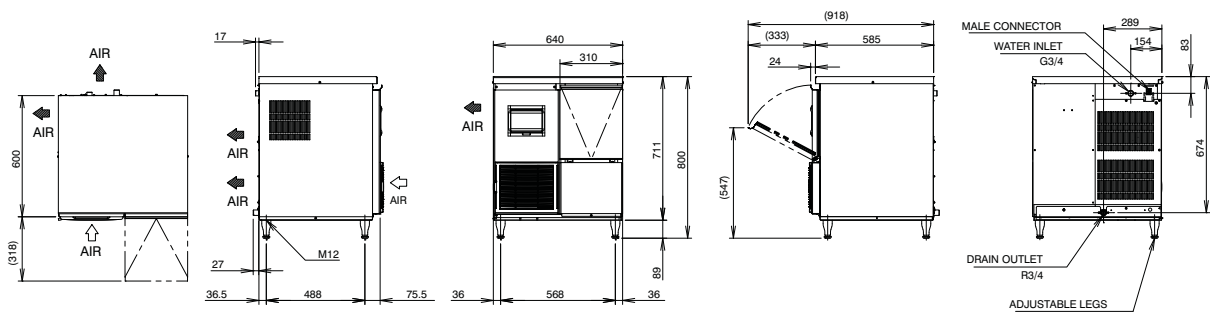
## FM-8oKE(-N)



## FM-15oKE(-N)

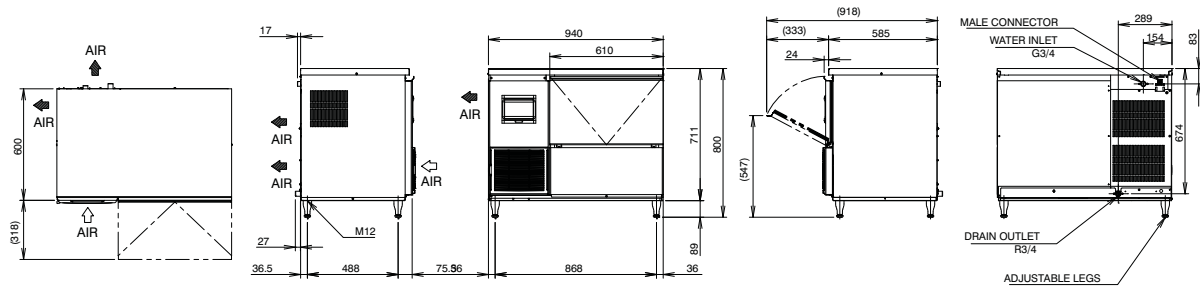


## CM-14oKE

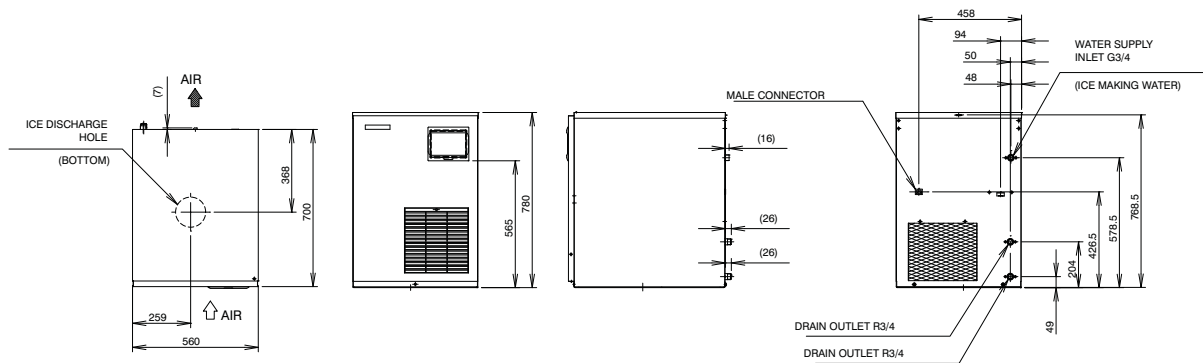




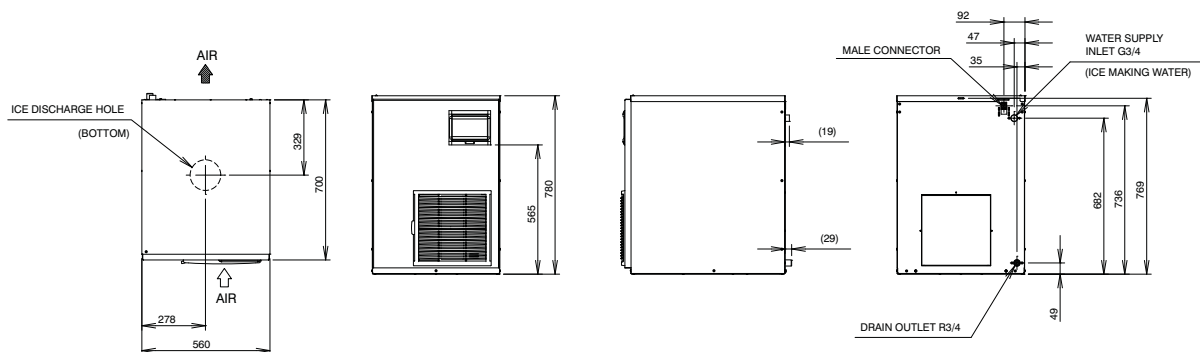
## FM-150KE-50(-N)



## FM-170AFE(-N)

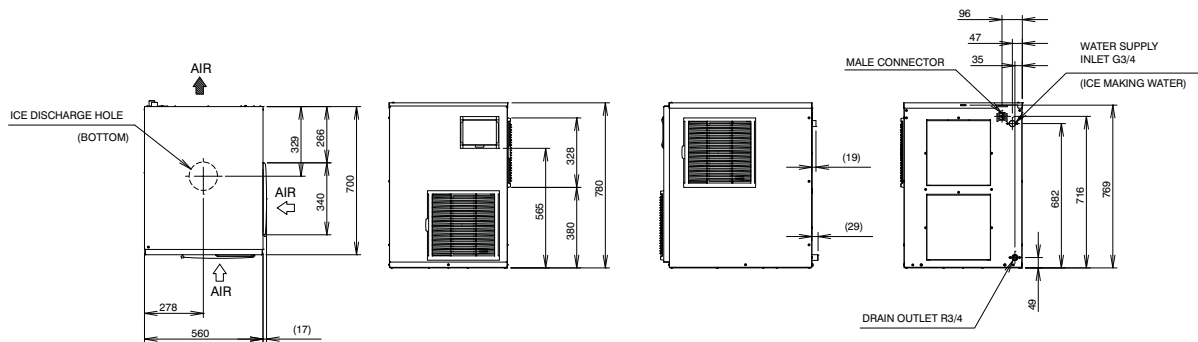


## FM-300AKE(-N)

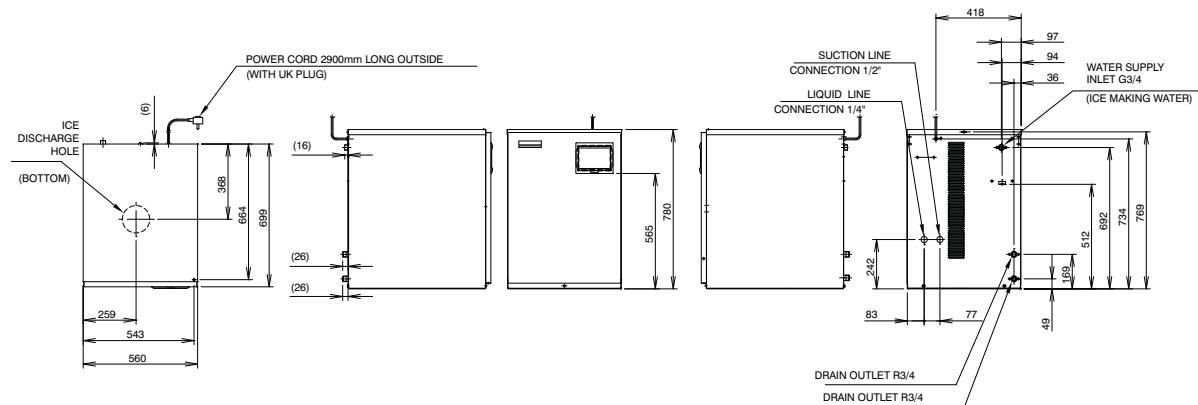




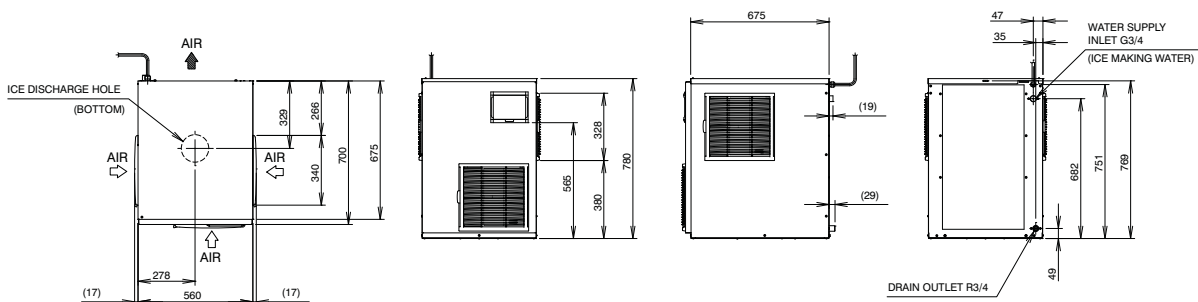
## FM-48oAKE(-N)



## FM-481ALGE(-N)

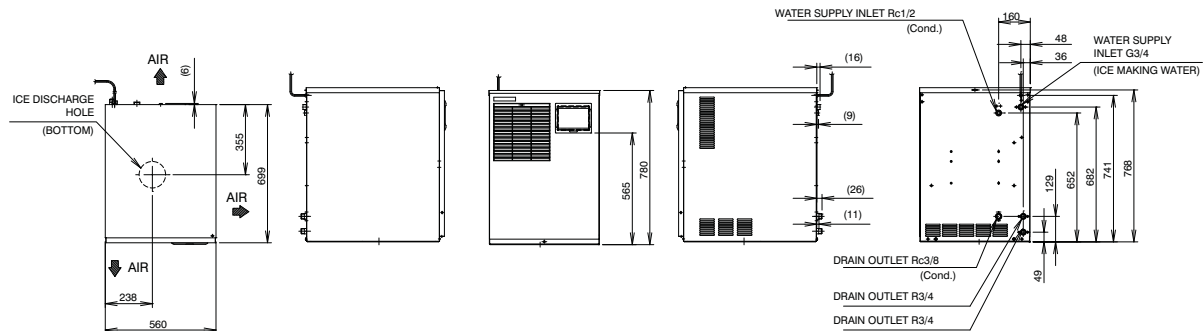


## FM-60oAKE(-N)

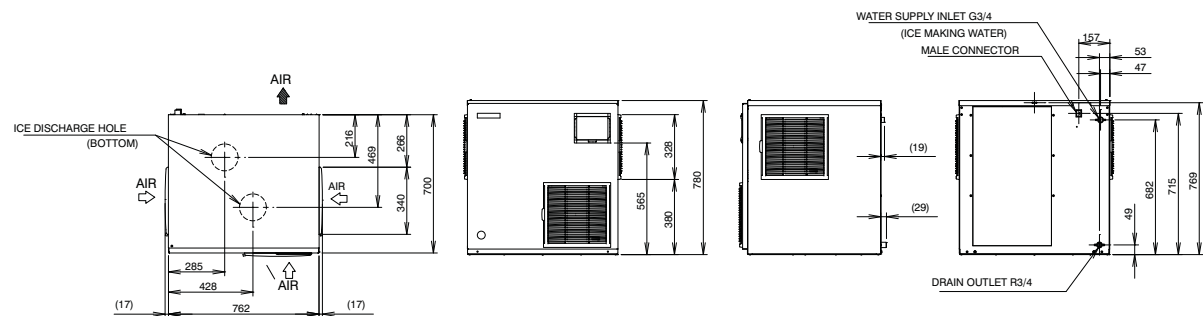




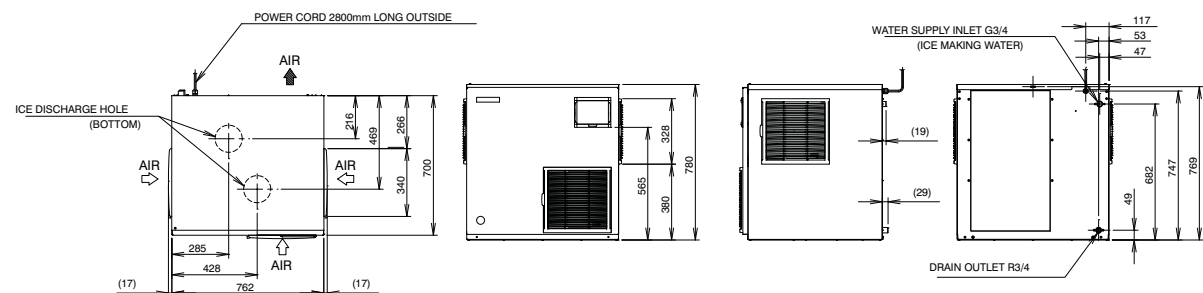
## FM-600AWHE(-N)



## FM-750AKE(-N)

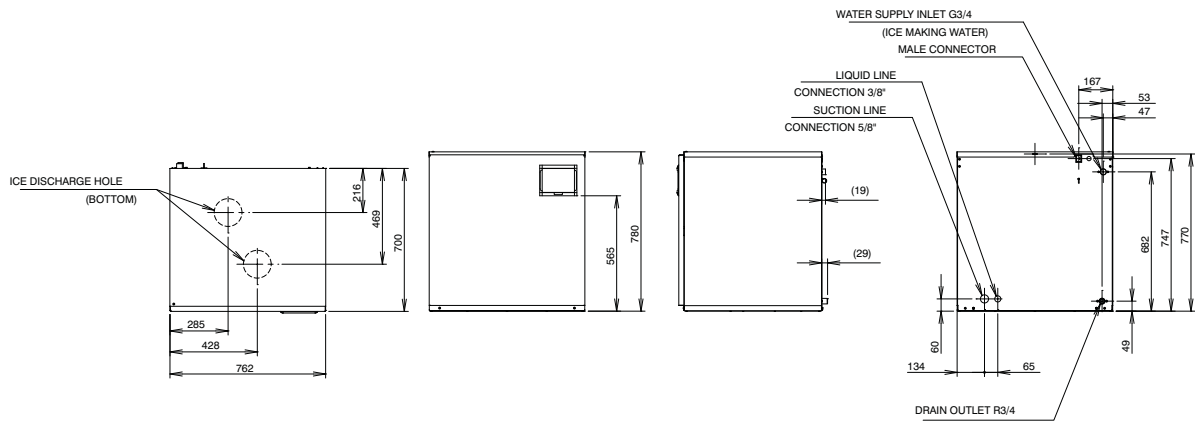


## FM-1000AKE(-N)

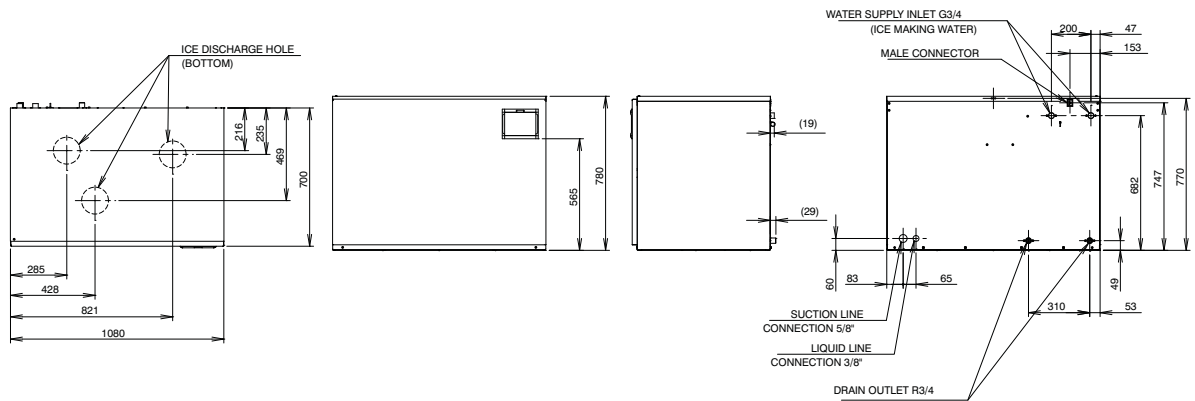




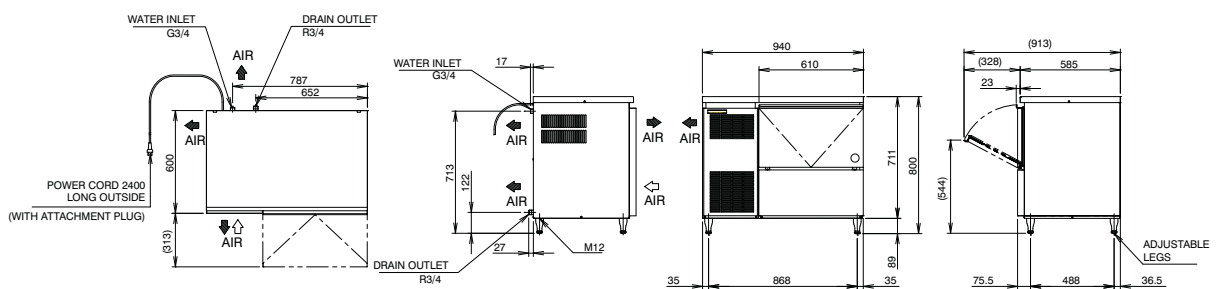
## FM-1200ALKE(-N)



## FM-1800ALKE(-N)

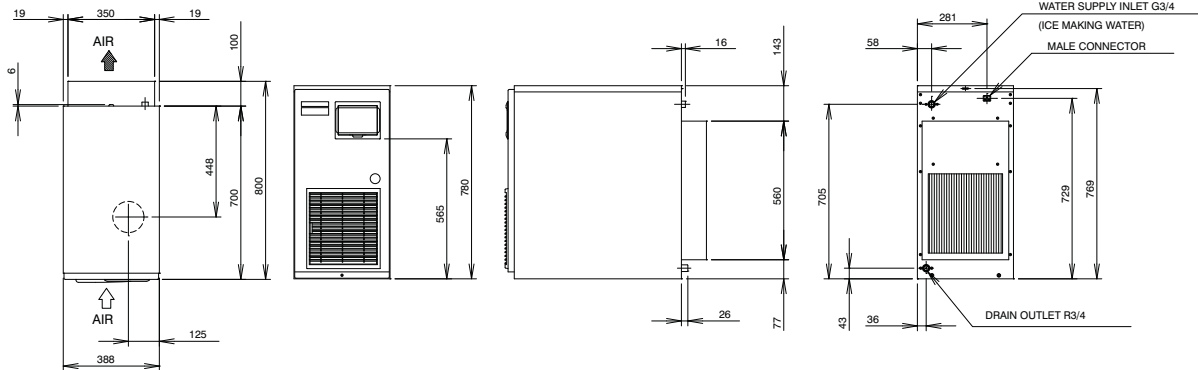


## FM-170EE-50-HC(-N)

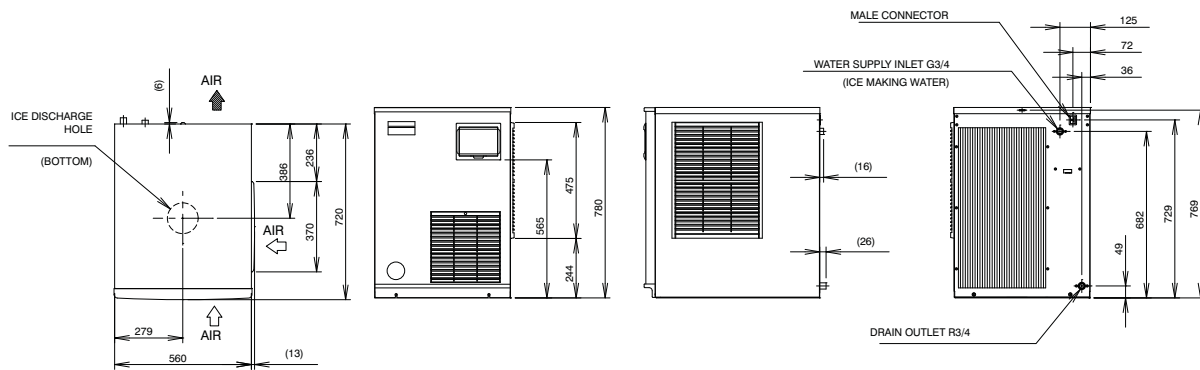




## FM-300AFE-HC(-N)



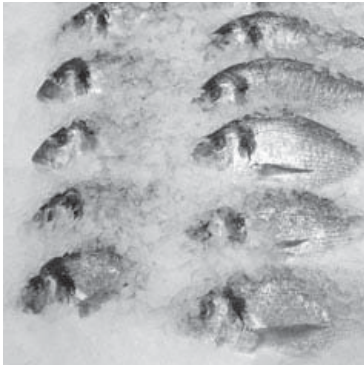
## FM-481AGE-HC(-N)







## Ice and/or Water Dispensers





## Ice and/or Water Dispensers Product Highlights



- Ice and/or water mix at the touch of a button, making it as easy and simple to use as possible and therefore ideal for self-service environments.



The New DCM-6oKE

- Portion control can be easily set, making it easy to regulate the consumption of ice among end-users, reducing energy consumption and waste.
- Due to the auger system the water consumption is equal to the ice production.



DIM-3oDE

- Ice is dispensed directly into the cup or bucket reducing the risk of contamination.





## DSM-12CE

Production Capacity (kg/24h)	13
Storage Bin Capacity (kg)	3
Dimensions W x D x H (mm)	180 x 510 x 695
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,26
Refrigerant	26/23
Weight Gross / Net (kg)	23
Type of Ice	Shuttle ice



## DCM-6oKE (-P)

Production Capacity (kg/24h)	60
Storage Bin Capacity (kg)	1,9
Dimensions W x D x H (mm)	350 x 585 x 695 (max 710)
Electrical Supply	1/220 - 240V/60Hz
Electrical Capacity (kW)	0,28
Refrigerant	R134a
Weight Gross / Net (kg)	56/47
Type of Ice	Cubelet + Water
Available With	Lever/Push button
Optional	Push button on request



## DCM-12oKE (-P)

Production Capacity (kg/24h)	125
Storage Bin Capacity (kg)	4
Dimensions W x D x H (mm)	350 x 585 x 815 (max 830)
Electrical Supply	1/220 - 240V/50Hz/60Hz
Electrical Capacity (kW)	0,604
Refrigerant	R134a
Weight Gross / Net (kg)	66/57
Type of Ice	Cubelet + Water
Available With	Lever/Push button
Optional	Push button on request



## DCM-230HE

Production Capacity (kg/24h)	230
Storage Bin Capacity (kg)	18
Dimensions W x D x H (mm)	660 x 562 x 1016
Electrical Supply	1/220 -240V/50Hz
Electrical Capacity (kW)	0,815
Refrigerant	R404A
Weight Gross / Net (kg)	108
Type of Ice	Cubelet + Water

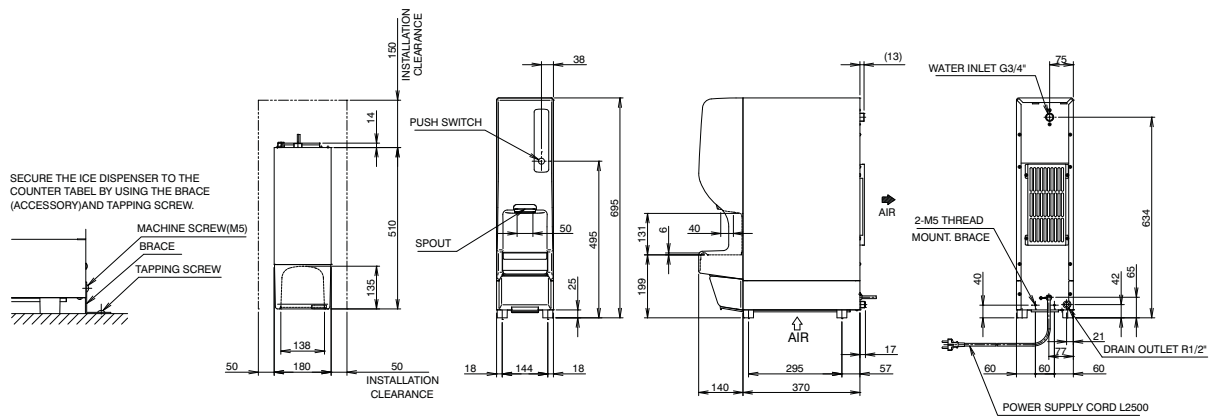


## DIM-30DE

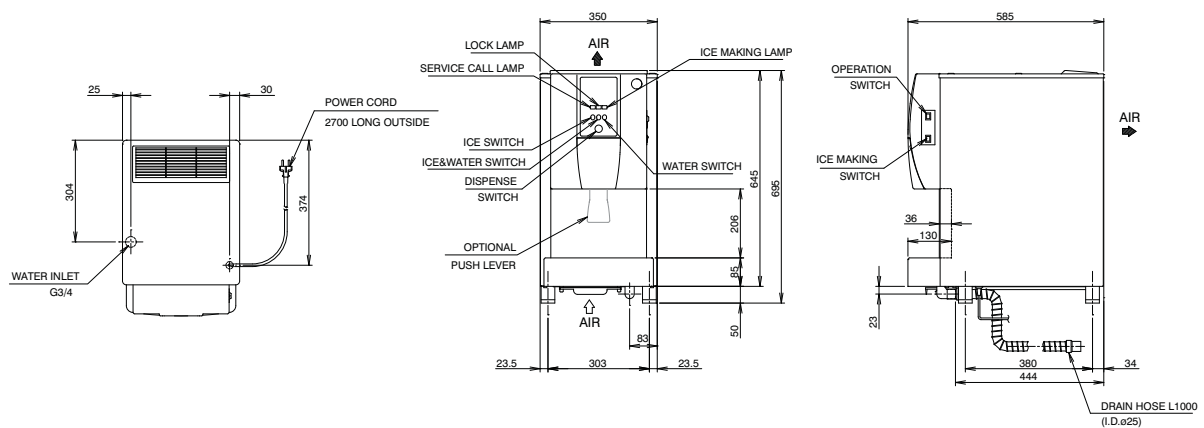
Production Capacity (kg/24h)	32
Storage Bin Capacity (kg)	15
Dimensions W x D x H (mm)	350 x 500 x 1600
Electrical Supply	1/220- 240V/50Hz
Electrical Capacity (kW)	0,32
Refrigerant	R134a
Weight Gross / Net (kg)	65
Type of Ice	Cube



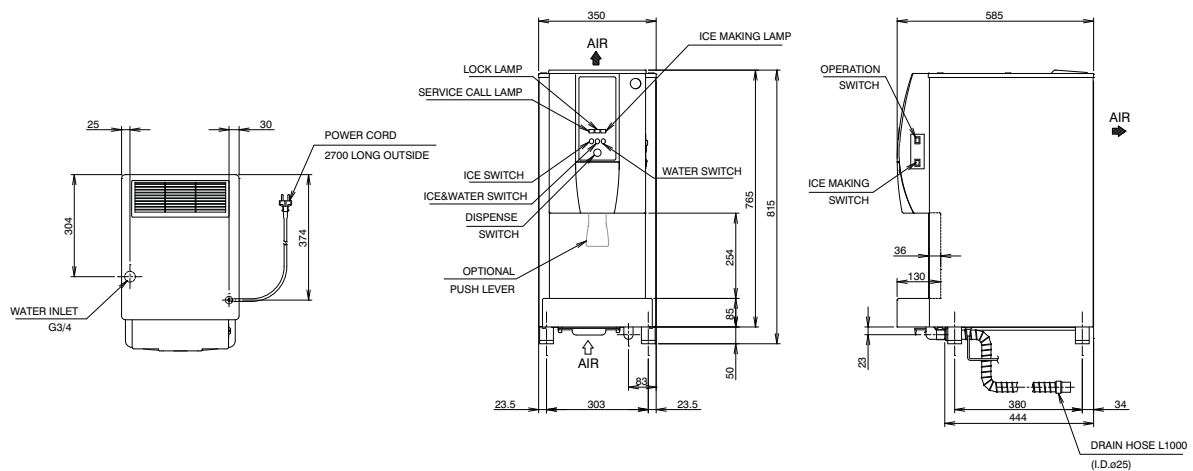
## DSM-12CE



## DCM-6oKE (-P)

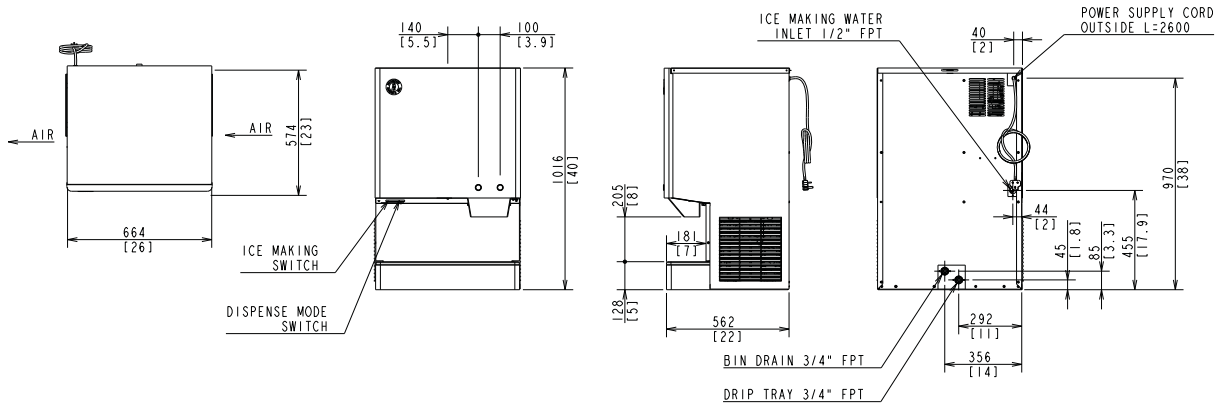


## DCM-12oKE (-P)

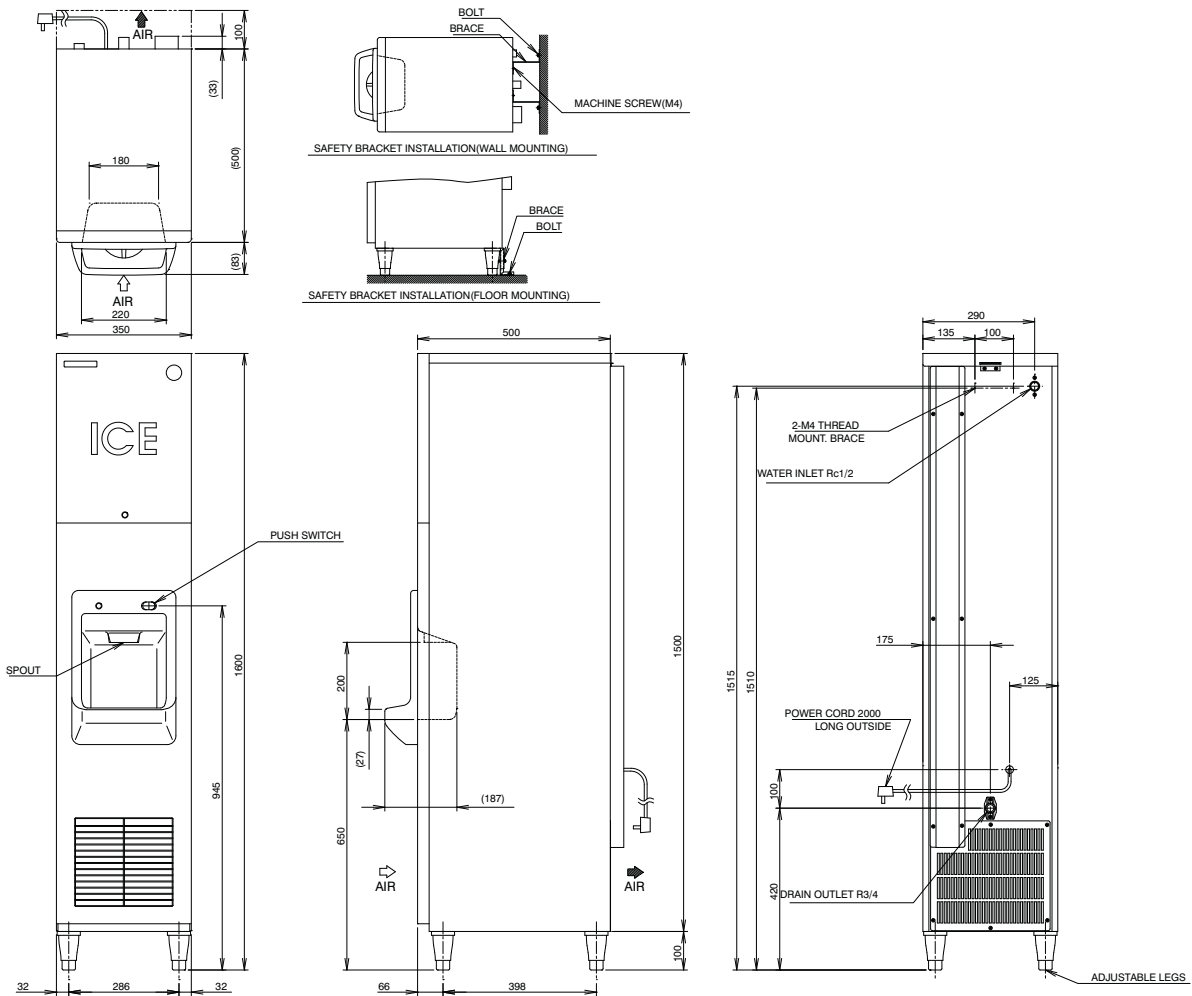




## DCM-230HE



## DIM-30DE





## Bins, Transport Systems and Crushers







# Storage Bins

In order to ensure ample quantities of ice at all times, Hoshizaki offers a wide range of Storage Bins that configure perfectly with Hoshizaki Ice Machines.

The stainless steel exterior provides for easy cleaning and a long lasting attractive appearance.

Sturdy construction for side by side or stacked installations and non-corrosive bin liner provide safe, sanitary storage of cube or flake ice. Foamed in place insulation in all bin walls provides dependable, low melt rate ice storage.

The size of the bins depends on several factors – the capacity of the machine, the average daily demand and the peak demand.



Storage bins, manufactured by Hoshizaki are made of stainless steel and come with legs adjustable between 152-162mm.



Bins are easy to clean with round edges for optimal hygiene.



## B-301SA

Bin Capacity (kg)	144
Dimensions W x D x H (mm)	560 x 820 x 1020 (Excluding legs)
Weight Gross / Net (kg)	49/34



## B-501SA

Bin Capacity (kg)	217
Dimensions W x D x H (mm)	762 x 820 x 1020 (Excluding legs)
Weight Gross / Net (kg)	62/47

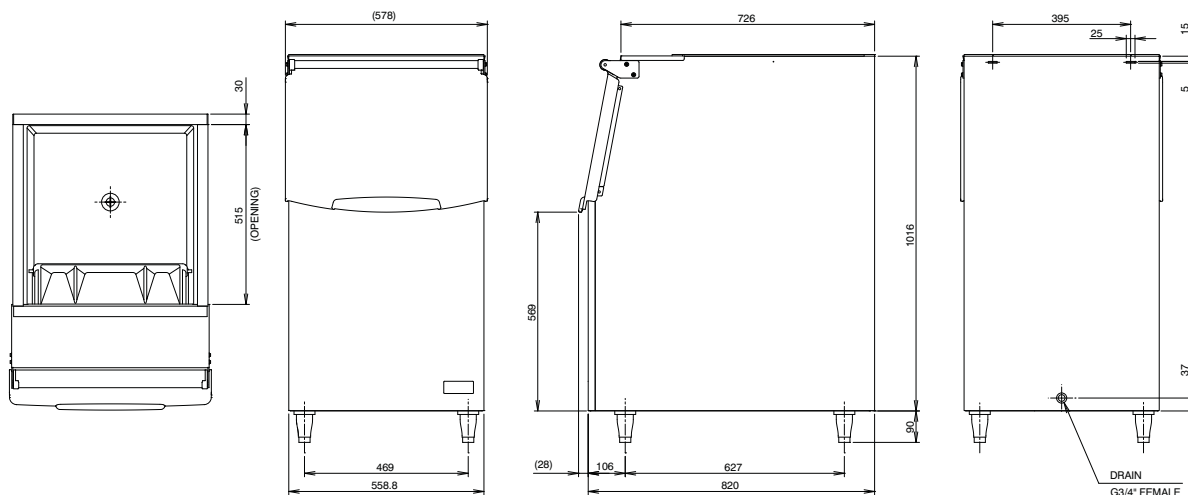


## B-801SA

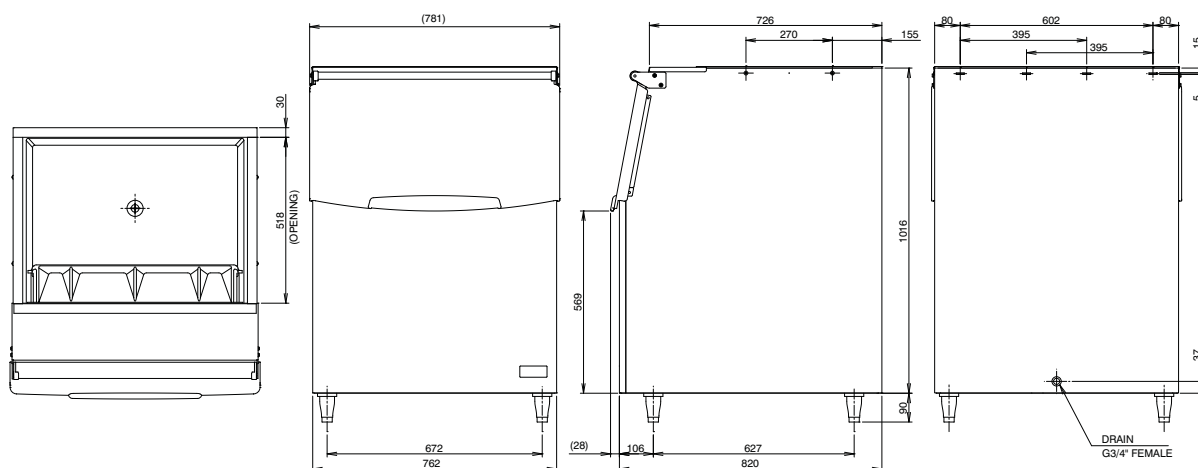
Bin Capacity (kg)	348
Dimensions W x D x H (mm)	1220 x 820 x 1020 (Excluding legs)
Weight Gross / Net (kg)	86/64
Optional	Bin dividers on request



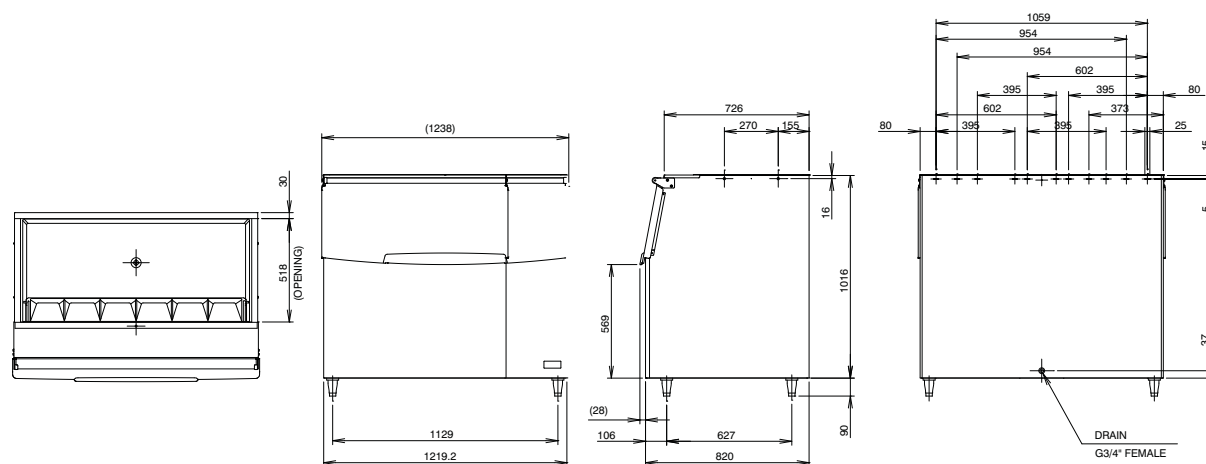
## B-301SA



## B-501SA



## B-801SA

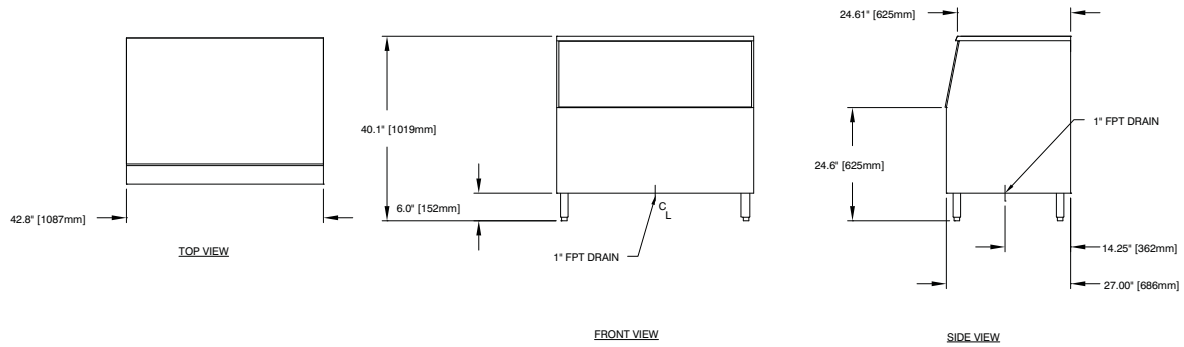




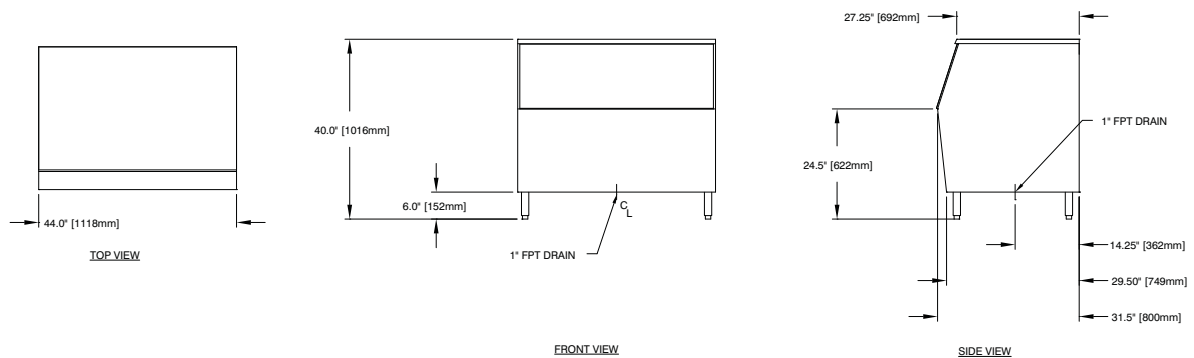
## OTHER BRANDED BINS

Model	Bin Capacity (kg)	Dimensions (Including legs) W x D x H (mm)	Weight (kg)
F-600-42S	246	1087 x 686 x 1019	70
F-650-44S	299	1118 x 800 x 1016	84
F-950-48S	431	1219 x 800 x 1270	110
F-1025-52S	467	1320 x 800 x 1270	111

### F-600-42S

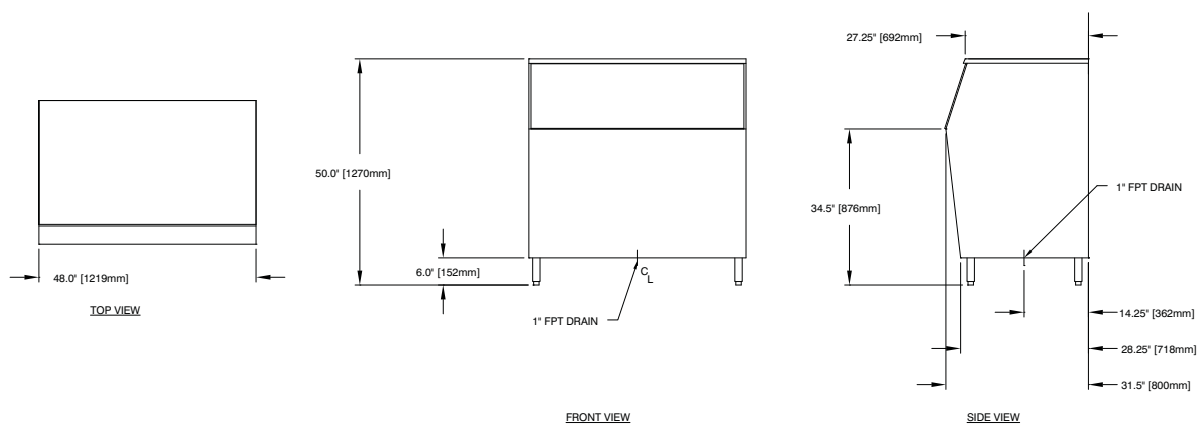


### F-650-44S

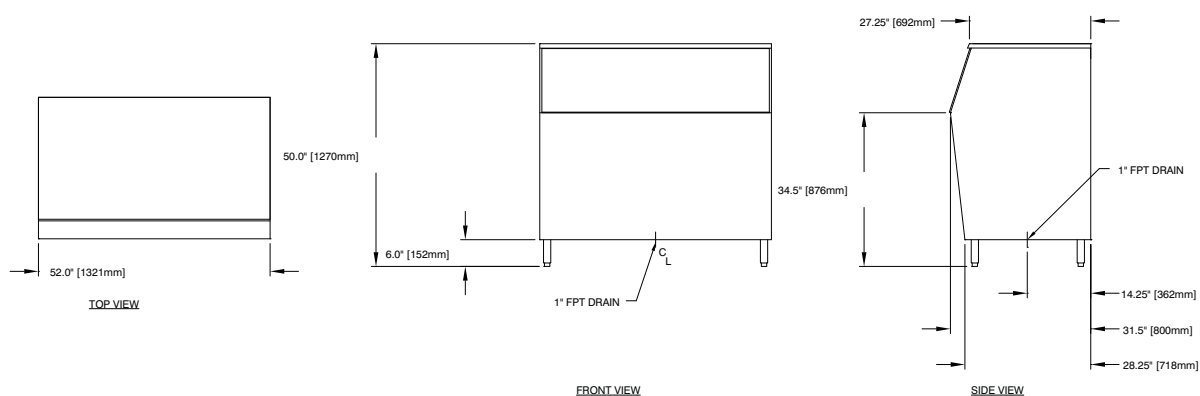




## F-950-48S



## F-1025-52S





# Top Kits

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

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

## TOP KITS

TK 4 DM	TK 18 D	TK 300-B3
TK 4 DR	TK IMD	TK 300-B5
TK 8 D	TK 1800	TK 300-B8

## TOP KIT CONFIGURATIONS

Quantity	Ice Machine Model	B-301SA	B-501SA	B-801SA
	IM-240D			TK IMD
	IM-240A	–	TK 8 D	TK 8 D + TK 18 D
	KM-650	–	TK 8 D	TK 8 D + TK 18 D
	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-480	–	TK 8 D	TK 8 D + TK 18 D
	FM-600	–	TK 8 D	TK 8 D + TK 18 D
2x	IM-240A	n.a.	n.a.	TK 4 DM
2x	KM-650	n.a.	n.a.	TK 4 DM
2x	FM-170	n.a.	n.a.	TK 4 DM
2x	FM-251	n.a.	n.a.	TK 4 DM
2x	FM-481	n.a.	n.a.	TK 4 DM
2x	FM-600	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
	KM-1301	n.a.	n.a.	–
	FM-300	–	TK 300-B5	TK 300-B8
	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

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



## Transport Systems

Transportation methods from Hoshizaki include a range of trolleys, carts and bagging methods that are integrated as storage compartments within the ice machines themselves. Once full, simply remove the trolley or bag full of ice, and carry or wheel it to wherever it is needed, without needing to scoop it from the machine into a receptacle.

As well as reducing the risk of contamination, these methods save valuable time that would otherwise be lost shovelling ice one scoop at a time.

It is very important that the opportunity for contamination (i.e. from human contact) is minimized, and Hoshizaki's systems do this, allowing the transportation of ice in large quantities without human manpower.

### ICE TRANSPORT SYSTEMS

Model	No. of carts	Bin Capacity (kg)	Dimensions W x D x H (mm)	Weight (kg)
ITS-100-31	1	45 (+109)	788 x 1016 x 1178	110
ITS-500-31	1	227 (+109)	788 x 1016 x 1524	166
ITS-600-31	1	272 (+109)	788 x 1016 x 1703	176
ITS-700-31	1	318 (+109)	788 x 1016 x 1905	187
ITS-1350-60	2	612 (+218)	1524 x 1016 x 1905	390
ITS-2250-60	2	955 (+218)	1524 x 1016 x 2464	420



### SBF

Frame Dimensions W x D x H (mm)	720 x 960 x 990
Cart W x D x H (mm)	560 x 1090 x 890
Cart Positioned in Frame W x D x H (mm)	720 x 1150 x 990

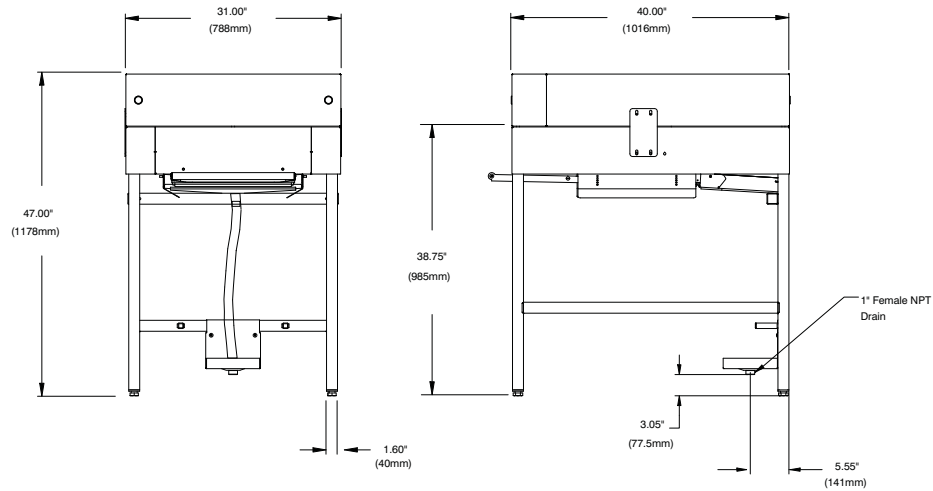
The cart requires 1100mm space to allow removal from the frame.  
Optional: Additional ice cart



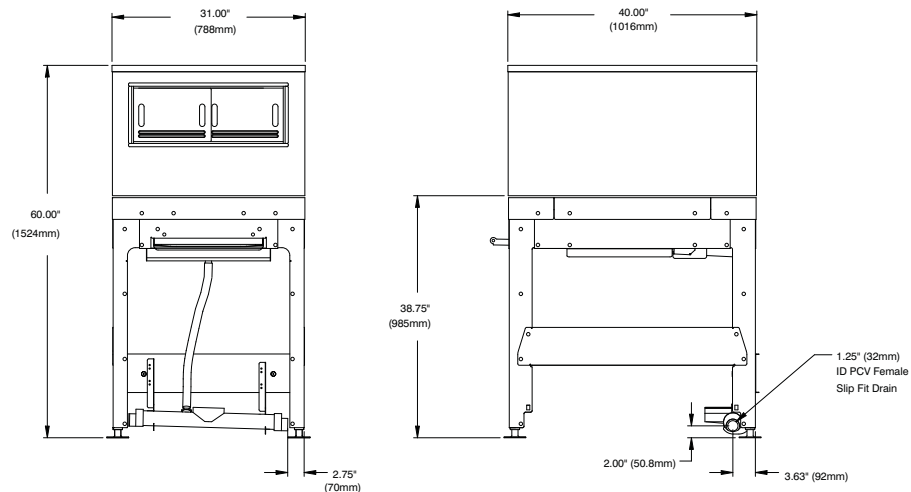




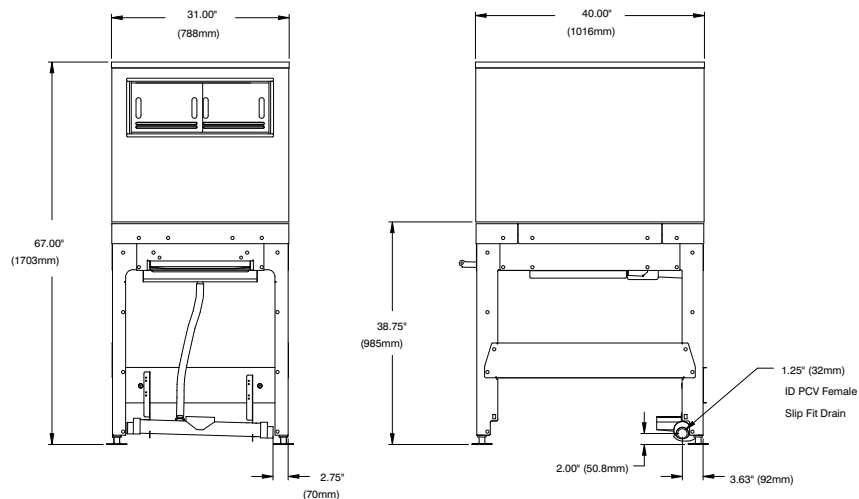
## ITS-100-31



## ITS-500-31

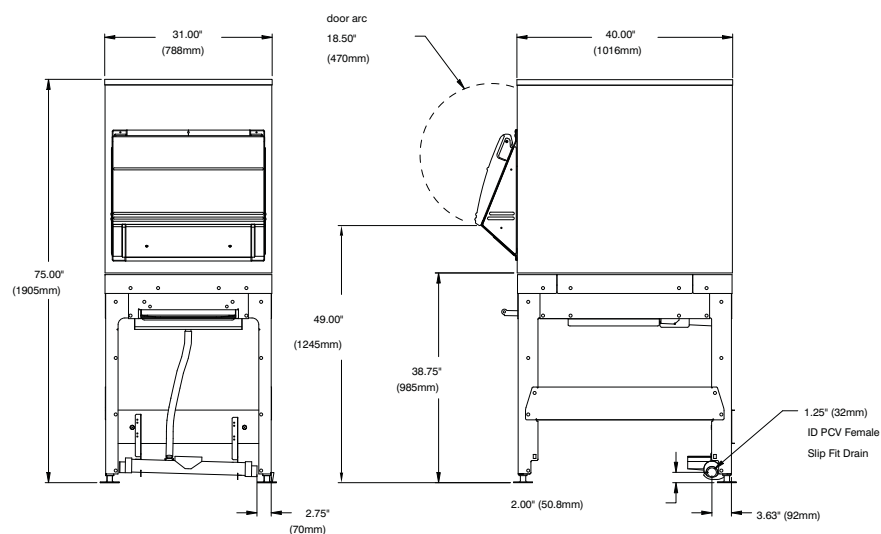


## ITS-600-31

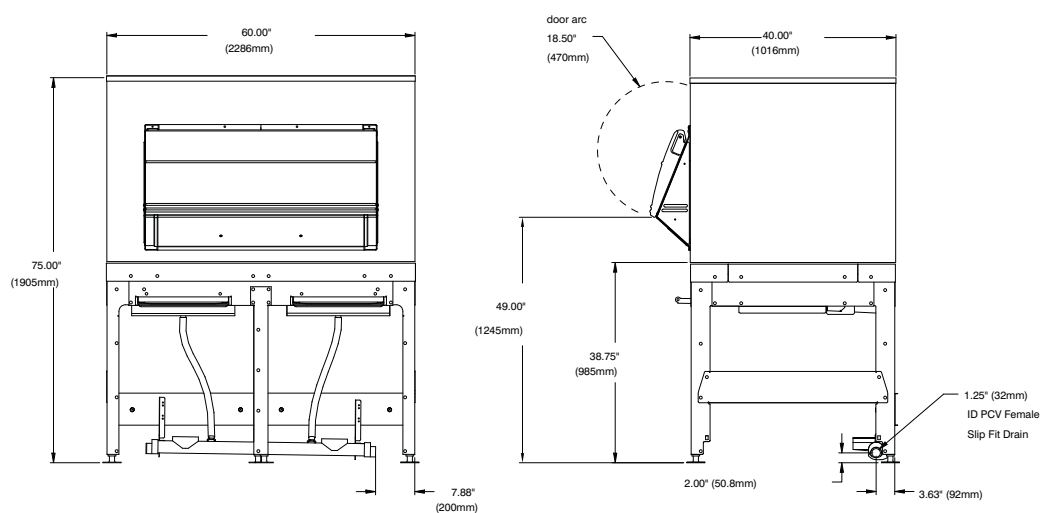




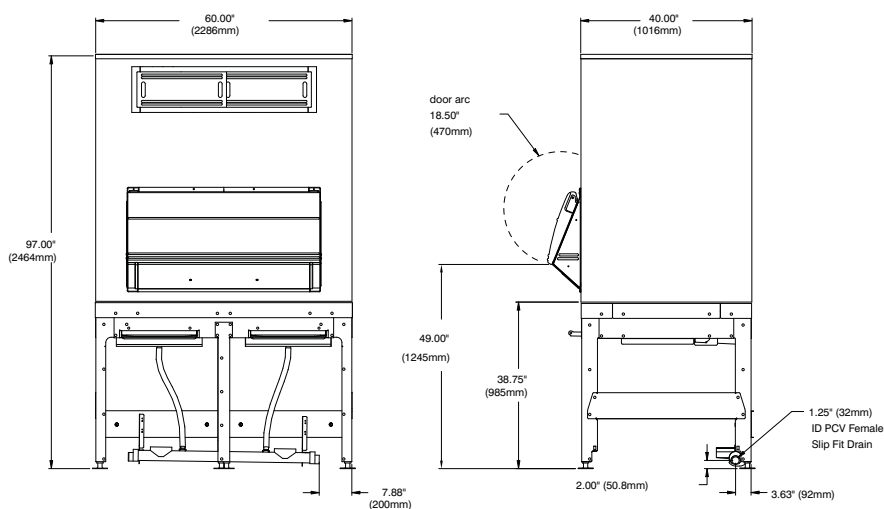
## ITS-700-31



## ITS-1350-60



## ITS-2550-60





## ICE BAGGING & DISPENSING SYSTEMS

Model	Bin Capacity (kg)	Dimensions W x D x H (mm)	Weight (kg)
DB-650SA	295	858 x 1226 x 1651	205
DB-1000SA	454	1321 x 1156 x 1823	320

## ICE STORAGE & DISPENSING SYSTEMS

Model	Bin Capacity (kg)	Dimensions (Including legs) W x D x H (mm)	Weight (kg)
DEV-500SG-30-75	209	762 x 788 x 1570	136
DEV-700SG-30-75	308	762 x 788 x 1969	146

## UPRIGHT STORAGE BINS

Model	Bin Capacity (kg)	Dimensions (Including legs) W x D x H (mm)	Weight (kg)
SG-500-30	209	762 x 788 x 1105	96
SG-700-30	308	762 x 788 x 1486	100

Optional:

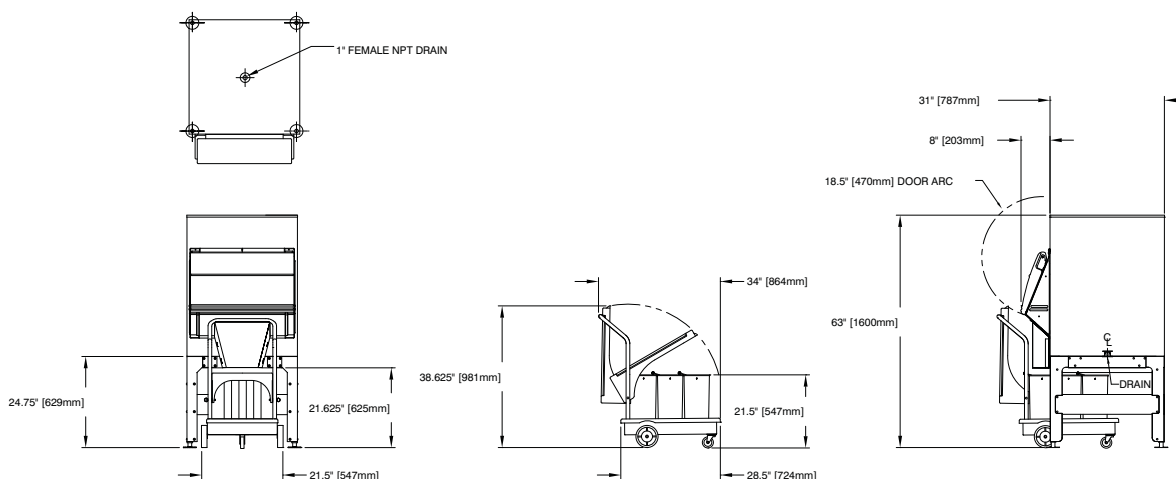
- Additional ice cart
- Set of 6 totes

Also available upon request:

- Full range of stands for ice machines and storage bins.
- Ice machines with full stainless steel frames and mobile cart.
- Other storage, transport, bagging and dispensing systems.

## Ice Bagging & Dispensing Systems - Technical Drawings

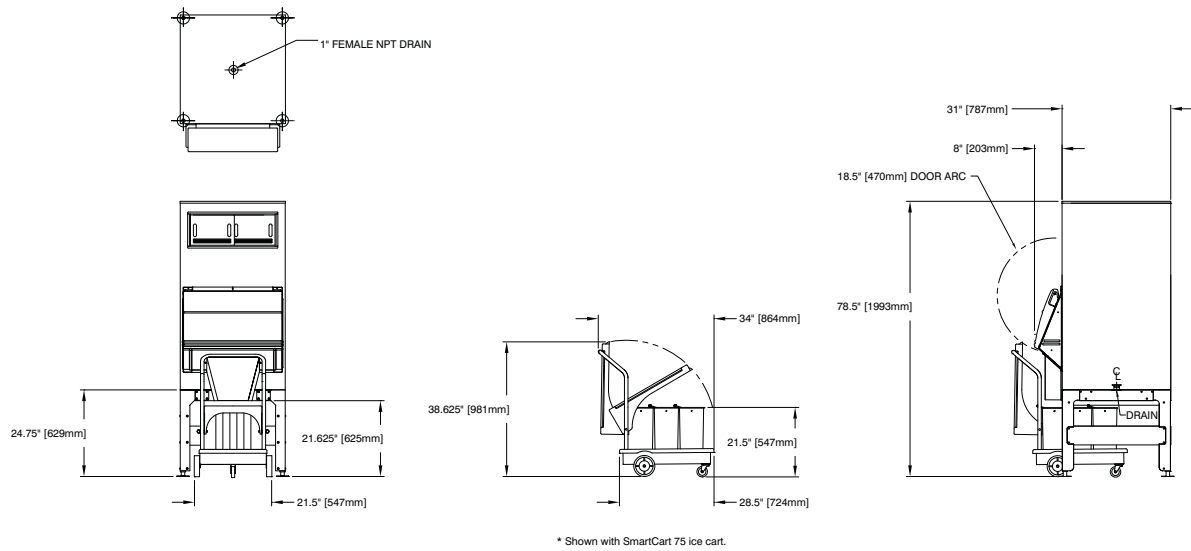
### DEV-500SG-30-75



\* Shown with SmartCart 75 ice cart.

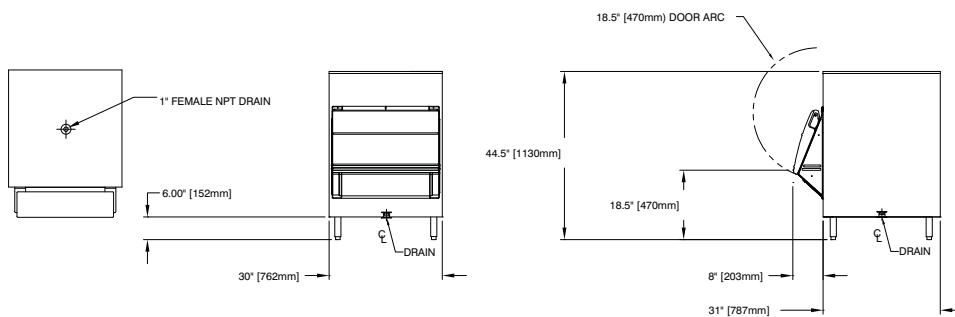


## DEV-700SG-30-75

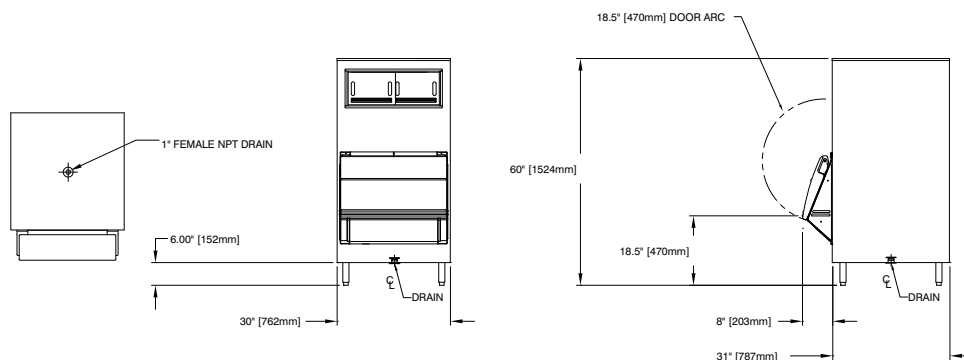


## Upright Storage Bins - Technical Drawings

### SG-500-30



### SG-700-30





# Ice Crushers

- Hoshizaki Ice Crushers are easy to operate and very compact.
- Ideal for crushing large quantities of ice cubes for perfectly presented drinks.
- Crushers are small enough to place on bars or countertops and will crush 3-5 kg of ice in just 60 seconds.

## C-103

Crush Capacity (kg/min)	3
Storage Capacity (kg)	1
Dimensions W x D x H (mm)	180 x 330 x 320
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,15
Weight Gross / Net (kg)	10

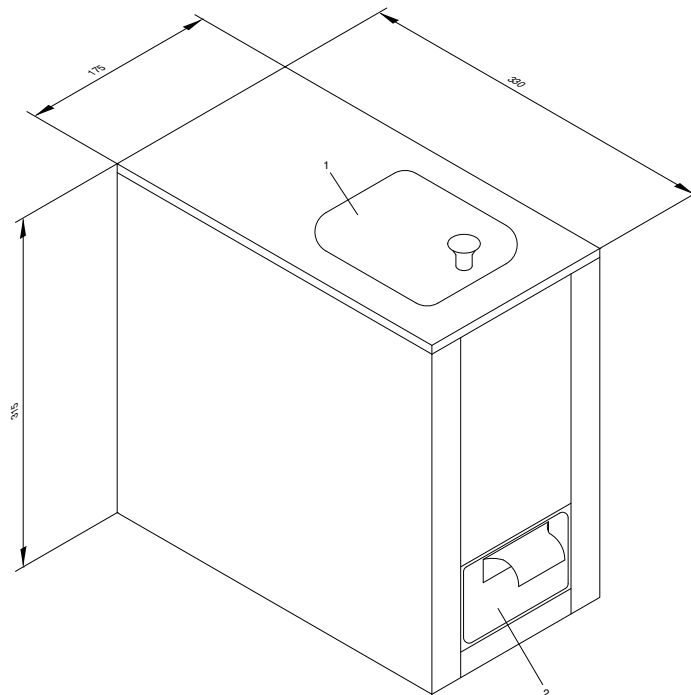


## C-105

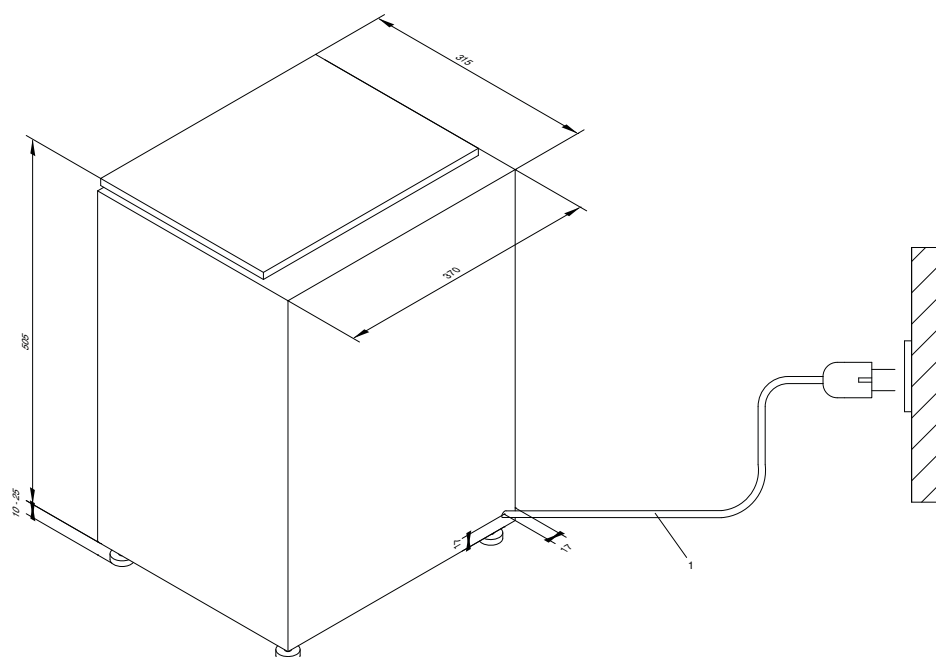
Crush Capacity (kg/min)	5
Storage Capacity (kg)	5
Dimensions W x D x H (mm)	370 x 310 x 510
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,15
Weight Gross / Net (kg)	25



## C-103

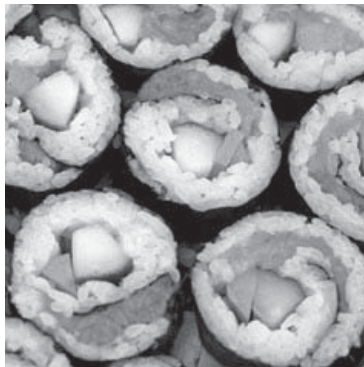
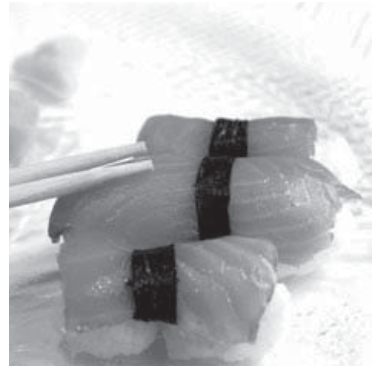


## C-105





## Sushi Cases







# Product Highlights

Hoshizaki's HNC Sushi Cases are designed to be aesthetically appealing. They are produced to sit on counter tops, with a contemporary and modern design that looks great as well keeping your sushi cooled at exactly the right temperature.



- Stable humidity and temperature levels are maintained at all times, instead of forced air circulation methods that dry out and ruin displayed sushi. Your sushi will stay fresh longer and taste as good as it looks.
- Hoshizaki machines will not defrost and allow condensation to drip onto the sushi displayed within them, protecting the integrity of the product at all times.





Right Version Shown

## HNC-120BE

Net Capacity (L)	42
Temperature (°C)	4
Dimensions W x D x H (mm)	1200 x 345 x 280
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,15
Refrigerant	R134a
Weight Gross / Net (kg)	44/32
Compressor (Left side)	HNC-120BE-L
Compressor (Right side)	HNC-120BE-R



Left Version Shown

## HNC-150BE

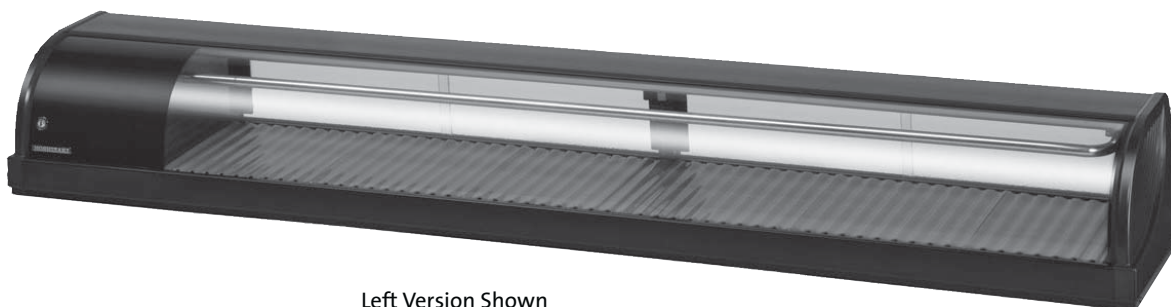
Net Capacity (L)	57
Temperature (°C)	4
Dimensions W x D x H (mm)	1500 x 345 x 280
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,15
Refrigerant	R134a
Weight Gross / Net (kg)	52/37
Compressor (Left side)	HNC-150BE-L
Compressor (Right side)	HNC-150BE-R



Right Version Shown

## HNC-180BE

Net Capacity (L)	72
Temperature (°C)	4
Dimensions W x D x H (mm)	1800 x 345 x 280
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,15
Refrigerant	R134a
Weight Gross / Net (kg)	60/42
Compressor (Left side)	HNC-180BE-L
Compressor (Right side)	HNC-180BE-R

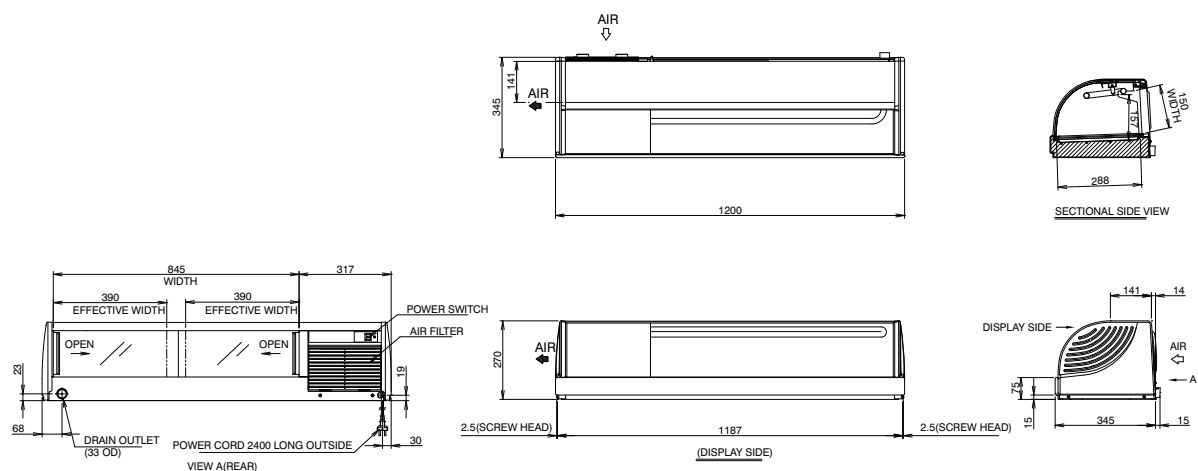


Left Version Shown

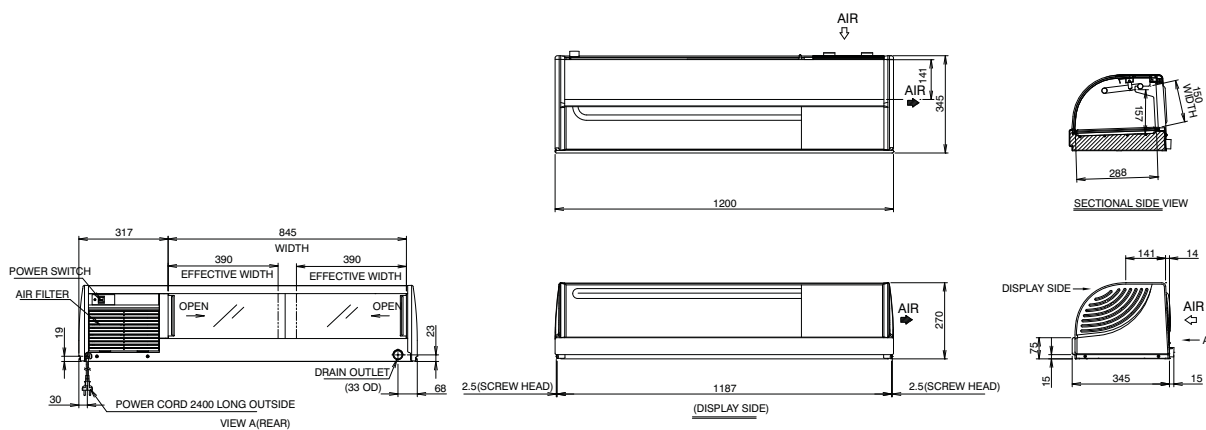
## HNC-210BE

Net Capacity (L)	87
Temperature (°C)	4
Dimensions W x D x H (mm)	2100 x 345 x 280
Electrical Supply	1/220 - 240V/50Hz
Electrical Capacity (kW)	0,15
Refrigerant	R134a
Weight Gross / Net (kg)	68/47
Compressor (Left side)	HNC-210BE-L
Compressor (Right side)	HNC-210BE-R

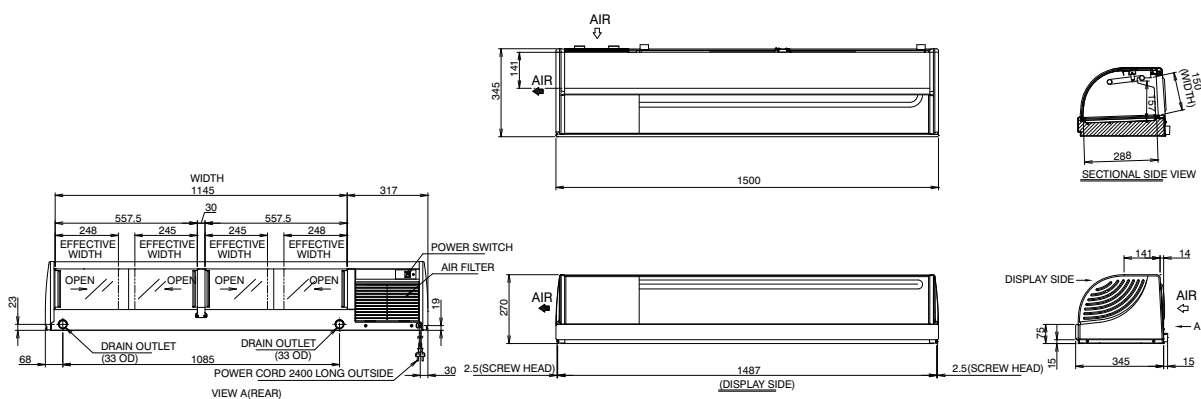
## HNC-120BE-L



## HNC-120BE-R

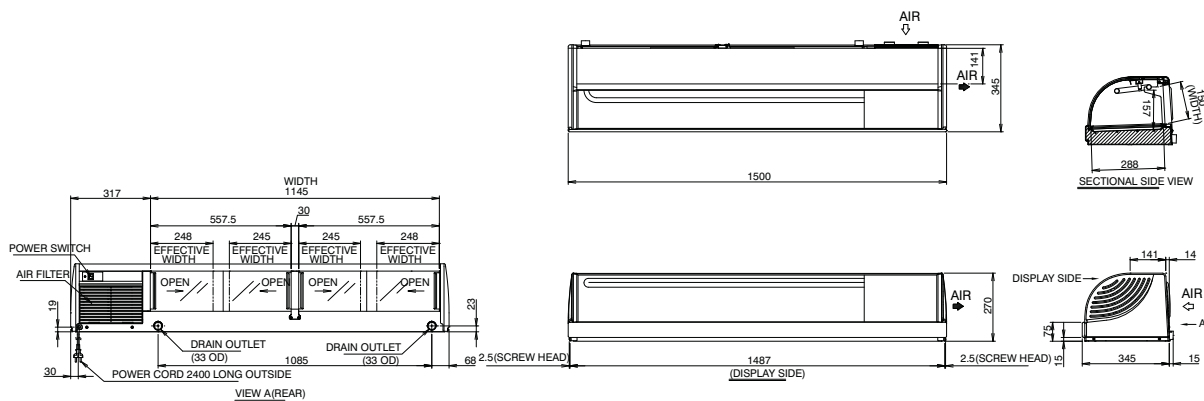


## HNC-150BE-L

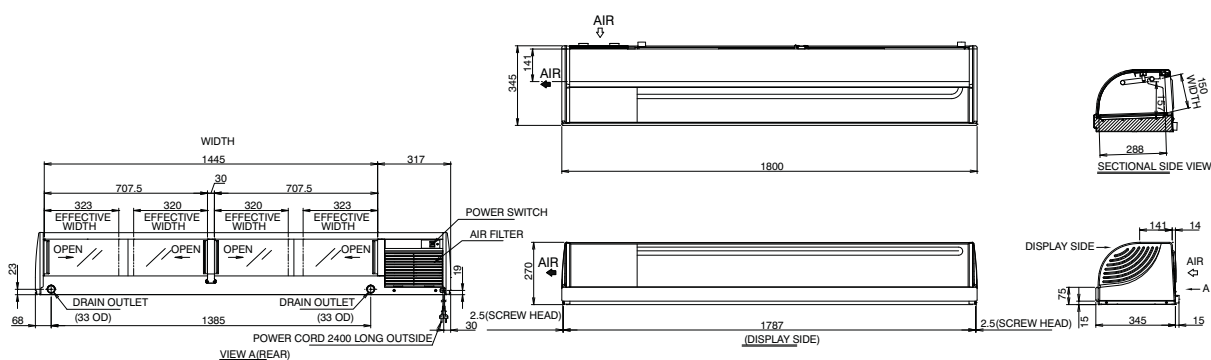




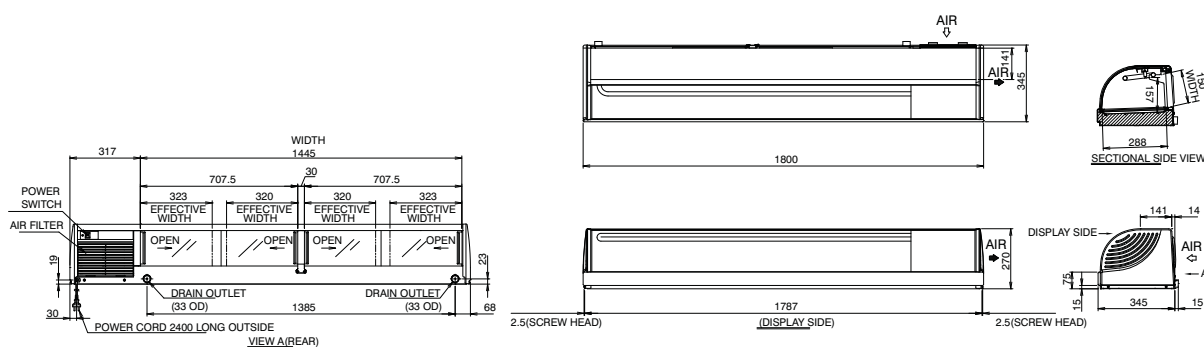
## HNC-15oBE-R



## HNC-18oBE-L

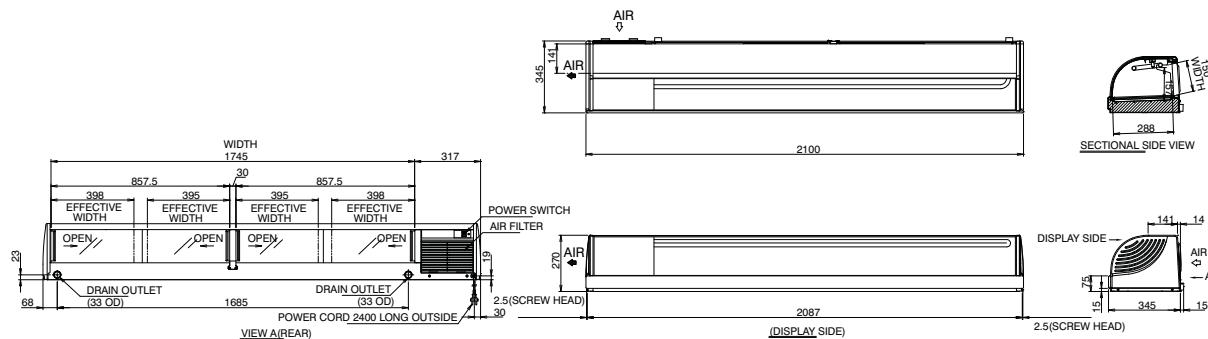


## HNC-18oBE-R

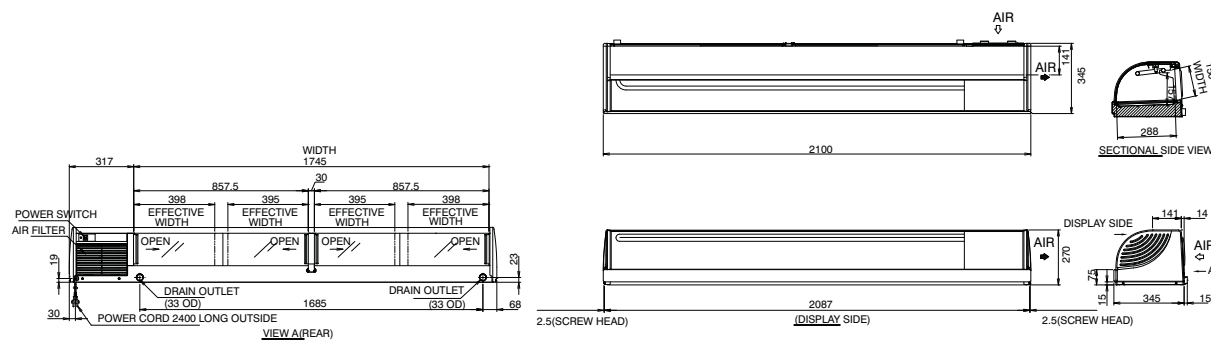




## HNC-210BE-L



## HNC-210BE-R





## Accessories







## WATER FILTERS HC/HF SERIES



	Part number
Hoshizaki HC-H single system	9320-21
Hoshizaki HC-H twin system	9320-22
Hoshizaki HC-H triple system	9320-23
Hoshizaki HF-H single system	9326-11
Hoshizaki HF-H twin system	9326-12
Hoshizaki HF-H triple system	9326-13
Hoshizaki HF-H quad system	9326-14
Hoshizaki HC-H replacement cartridge	9655-08
Hoshizaki HF-H replacement cartridge	9656-16





## ICE SCOOPS

	Part number
IM21/30	204336-01
IM45/65/FM80/150/170	2H0361-01
IM100	208185-01
KM35	2H0361-01
KM50/75/100/125	1H4123P02
Bin	4A2246-01



## ADJUSTABLE LEGS

	Part number
IM21/30/45	462576-02
IM100/130/240M2E/DIM30	446729-01
FM80/150	462576-01



## HOSES

	Part number
Water inlet hose	450722-01
Water outlet hose	452365-01



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