

English

**Snowkey**

Ice

Block Ice Machine

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## Snowkey Application Fields

- Ice factory at ports and docks
- Fresh preservation and cooling of aquatic products
- Fresh preservation of aquatic products and foods during line haul
- Temperature reduction and cooling in specific fields
- Ice sculpture
- Edible ice



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- ① Ice factory at a port
- ② Convenient and cheap block ice for fresh preservation
- ③ Hard and transparent block ice for sculpture
- ④ Clean and edible block ice



## Snowkey

### Snowkey Big Scale Brine Tank Type Block Ice Machine

In traditional block ice production field, similar block ice systems are adopted. Snowkey block ice machine has its own features:

- Stable and energy-saving design
- Unique and excellent evaporator technique
- Simple and convenient maintenance
- Experienced team of installation and commissioning



## Snowkey

### Big Scale Type Block Ice

- High in density, hard and not easy to melt
- It can be used to make block ice in different colors
- Different weight such as 12.5kg, 20kg, 25kg, 50kg, 75kg, 100kg and 125kg for your option
- Clean and sanitary, without impurities
- Low temperature and  $-3^{\circ}\text{C}$  is reachable

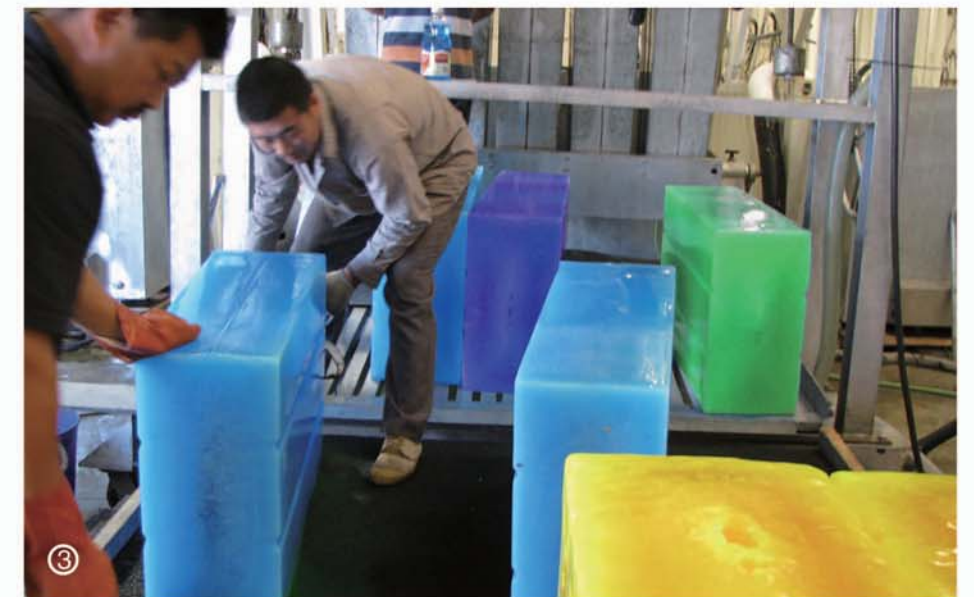


Picture ①: Big scale brine tank type ice making system

Picture ②: Compressor unit

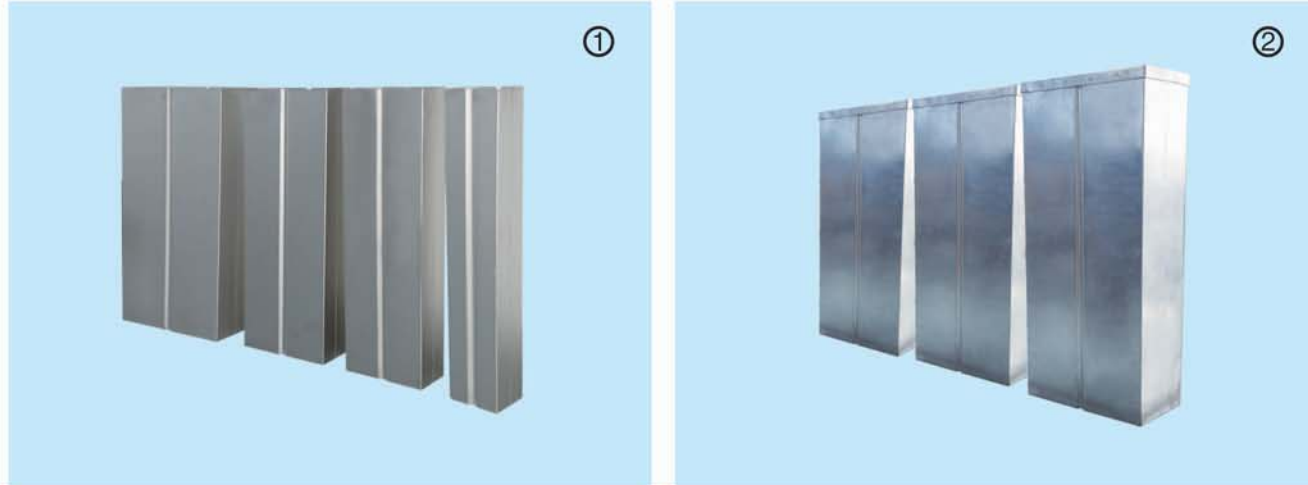
### Different Shapes of Block Ice

- ① Small cube ice which is hard and edible
- ② Ball shape edible ice
- ③ Colorful ice for sculpture



## Ice Can

- The panel structure is reasonable and strong
- The best structure design
- Various models and specifications for option, and customized for our customers
- We have galvanized steel plate and stainless steel plate for your option. And the weights of block ice can be 12.5kg, 20kg, 25kg, 50kg, 75kg, 100kg, 125kg and 135kg



- ① SUS304,SUS316 ice can
- ② galvanized ice can
- ③ Inside of ice can



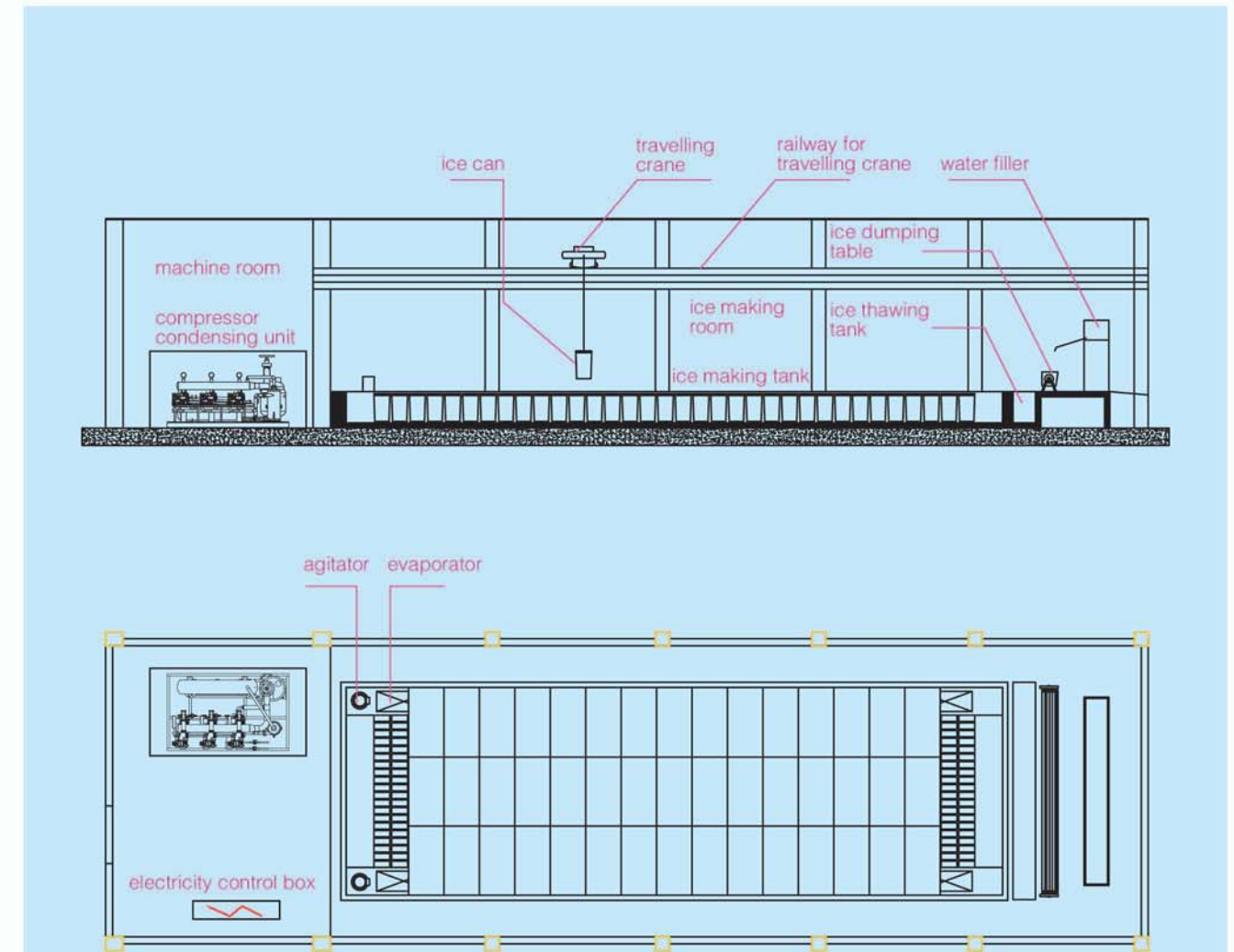
### Galvanized Steel Ice Can Specifications

Block Ice Weight (kg)	Upper Part (mm)	Lower Part (mm)	Height (mm)	Thickness (mm)
12.5kg	160 x 130	140 x 125	800	1.5
20 kg	270 x 130	250 x 125	800	1.5
25 kg	320 x 130	300 x 125	800	1.5
50 kg	460 x 180	440 x 160	800	1.8
75 kg	480 x 220	450 x 190	900	1.8
100 kg	570 x 270	470 x 240	900	1.8
125 kg	550 x 310	520 x 280	900	1.8
135 Kg	584 x 305	541 x 261	1150	2.0

### Stainless Steel Ice Can Specifications

Block Ice Weight (kg)	Upper Part (mm)	Lower Part (mm)	Height (mm)	Thickness (mm)
12.5kg	160 x 130	140 x 125	800	1.6
20 kg	270 x 130	250 x 125	800	1.6
25 kg	320 x 130	300 x 125	800	1.6
50 kg	460 x 180	440 x 160	800	2
75 kg	480 x 220	450 x 190	900	2
100 kg	500 x 270	470 x 240	900	2
125 kg	550 x 310	520 x 280	900	2
135 Kg	584 x 305	541 x 261	1150	2.5

## Big Scale Brine Tank Type Block Ice Making System



### Features:

- Systems for refrigerant of R22, R404A, R507A and R717A are available.
- The refrigerant can be used worldwide and comply with the international standards.
- Daily production capacity can be 10T,15T,20T,30T,60T,120T,180T and 240T.
- The weight of block ice can be 12.5kg, 25kg, 50kg,75kg,100kg,125kg
- Evaporative condenser and water condenser for option,
- Integrative refrigeration system
- We can design according to customers' specific requirements.

## Containerized Brine Tank Type Block Ice Machine



- Integrative refrigeration system, contains compressor condensing unit, with integrated design for ice making, ice melting and water adding.

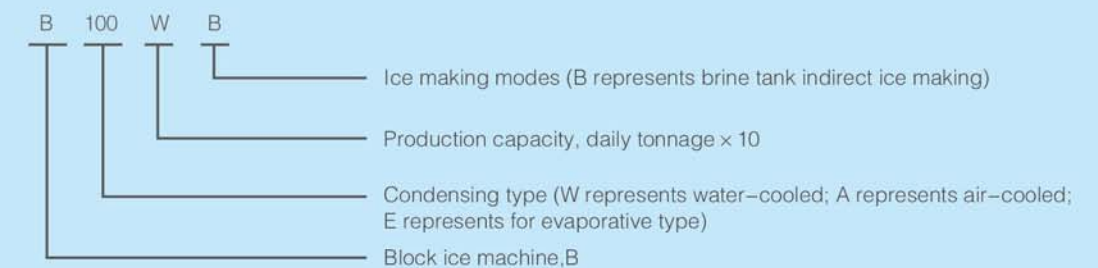
- Special structure brine tank and anticorrosive measure for container bottom, to keep long service life.
- Special ice lifting mechanism, stable and reliable operation, easy for maintenance.
- The refrigerants can be used worldwide and comply with international standards.
- Dry type expansion evaporation reduces the dosage of refrigerant which guarantees safe performance of system.
- Production capacity of single module is 2.5-10T/24hrs. For more, we can use multi modules. There are block ice



- weights of 12.5kg, 20kg, 25kg and 50kg for option.
- The containers are ISO approved. High cube and open top containers are available.
- There is no specific construction requirement.
- The shortest time of equipment installation and commissioning lowers the cost and risk for customer.
- Easy to move and reliable, transport by truck or ship.

## Containerized Brine Tank Type Block Ice Machine Specifications

Model	B25WB	B50WB	B75WB	B100WB		B200WB	B200WB
Production Capacity (Tons/24hrs)	2.5	5	7.5	10		20	20
Containerized	20ft	40ft	40ft	40ft	40ft+20ft	2 × 40ft+1 × 20ft	2 × 40ft+2 × 20ft
Block Ice Weight (kg)	12.5、20、25、50						
Ambient Temperature (°C)	33						
Water Temperature (°C)	20						
Water Supply Pressure (kPa)	150 ~ 500						
Evaporating Temperature (°C)	10 ~ -20						
Condensing Temperature (°C)	38 ~ 43						
Necessary Refrigeration Capacity (kW)	17.5	35	52.5	70		140	140
Compressor Rated Power (HP)	10	25	40	50	50+storage 4	100	100+storage 8
Ice Storage Bin Capacity (Tons)				10			20
Standard Specifications of Ice Can	Cold-rolled steel Q235-A or stainless steel SUS304. Please mark it when placing order.						
	Block ice 12.5kg: 160 × 130 × 800 (mm)						
	Block ice 20kg: 270 × 130 × 800 (mm)						
	Block ice 25kg: 320 × 130 × 800 (mm)						
	Block ice 50kg: 460 × 180 × 800 (mm)						
	Block ice 75kg: 480 × 220 × 900 (mm)						
	Block ice 100kg: 500 × 270 × 900 (mm)						
	Block ice 125kg: 550 × 310 × 900 (mm)						
Block ice 135kg: 584 × 305 × 1150 (mm)							
Series and Models Directions	B standards for block ice machine. The number after B is the tonnage for the machine × 10. W standards for condensing type (W for water-cooled, A for air-cooled, E for evaporative type). B standards for ice making mode brine tank indirect ice making.						
Compressor Brand: Standard with Refcomp.							
There is no cooling water consumption for the units with air-cooling condenser.							
Standard refrigerant is CFC gas, such as R22, R507A, R404, etc., which should be designated when placing order. Regarding detailed parameters of block ice machine from 30Tons to 120Tons, please consult with Snowkey professionals.							
Regarding detailed parameters and production capacity under non-standard conditions or requirements, please consult with our professionals. The block ice can be customization, such as non-standard power supply, refrigerant or specifications, etc...							
With development of technology, the specifications in the form will be subject to change without notice.							



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## Aluminum-alloy Direct Evaporation Block Ice Machine

- All-in-one refrigeration systems.
- Specially-designed evaporator, with efficient thermal conductivity.
- Clean and sanitary block ice.
- Dry-type expansion reduces refrigerant quantity, makes unit compact and safe.
- PLC controls and self-protects during water filling, ice making and harvesting.
- Production capacity: 0.5T/24hrs, 2.5T/24hrs, with block ice weight of 5kg, 10kg, 12.5kg, 15kg.
- High-cube container, with ISO certification.
- Movable, transportable with truck and ship.
- Shortest installation and commissioning time.



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## Aluminum-alloy Direct Evaporation Block Ice Machine



### Aluminum-alloy Direct Evaporation Block Ice Machine Specifications

Model	Block Ice Size	Block Ice Weight	Production Capacity	Ambient Temperature	Water Temperature	Condenser Type
	mm	kg	Tons/24hrs	°C	°C	
B10AF	200*100*300	5	1	33	20	Air-cooled
	158*130*580	10				
	215*130*500	12.5				
	260*130*560	15				
B25AF	130*130*660	10	2.5	33	20	Air-cooled
	190*130*570	12.5				
	220*130*585	15				

Model	Block Ice Size	Necessary Refrigeration Capacity	Power Consumption	Dimensions of Evaporator	Net Weight
	mm	kW	kW	L*W*H(mm)	Tons
B10AF	200*100*300	6.5	5.66	3200*1626*1340 ( Evaporator included )	2
	158*130*580				
	215*130*500				
	260*130*560	5.25	3.45	3940*1650*1700 ( Evaporator included )	
B25AF	130*130*660	13.8	9	3940*1750*2200 ( Evaporator included )	4
	190*130*570				
	220*130*585				

- Compressor Brand: Standard with Refcomp.
- There is no cooling water consumption for the units with air-cooled condenser.
- Standard refrigerant is CFC gas, such as R22,R507A,R404,etc.,which should be designated when placing order.
- Upon request, split units can be designed to install in a container to form one complete unit.
- B standards for block ice machine.The number after B is the tonnage for the machine × 10.A standards for condensing type (A for air-cooled, W for water-cooled, E for evaporative type). F standards for ice making modes aluminum-alloy direct evaporation ice making.



Aluminum-alloy Direct Evaporation Block Ice Machine

