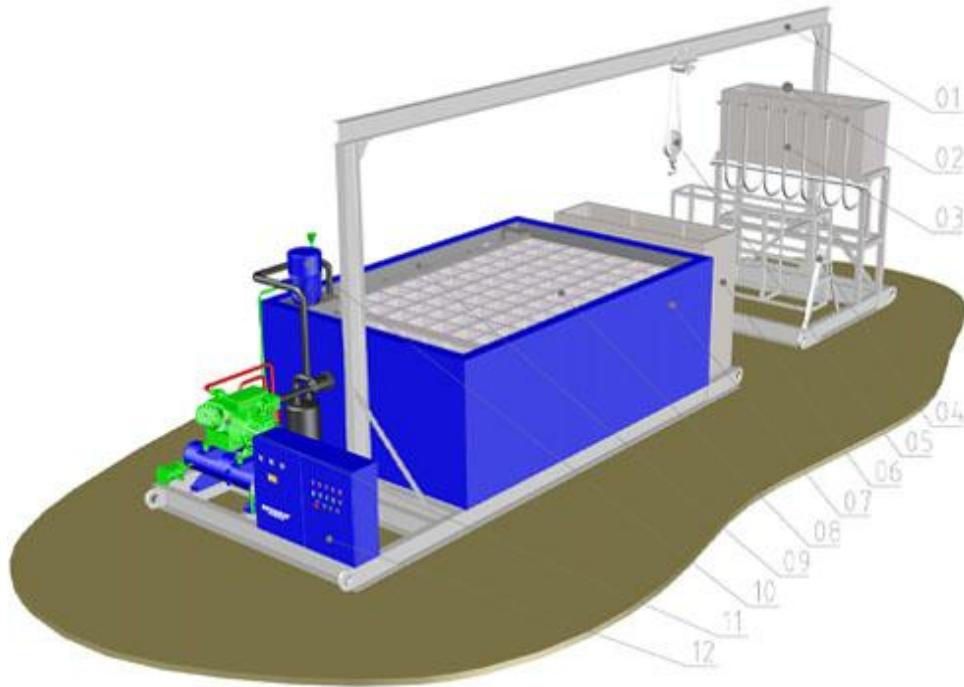
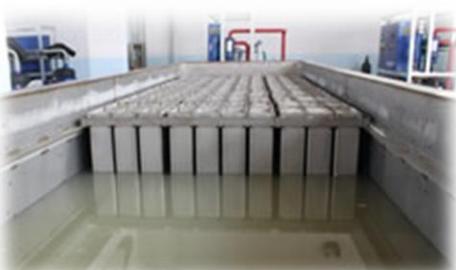


## Brine refrigeration block ice machine



01 guiding rail, 02 water feeder, 03 water feeding gadget, 04 can dump,  
05 crane, 06 thaw tank, 07 brine tank, 08 ice bucket, 09 evaporative coils,  
10 agitator, 11 refrigeration unit, 12 electric control box



As shown above, first fully feed the ice bucket with water, press the button and start the refrigeration system. The agitator makes the water flow cyclically which will have a heat transfer with the refrigerant inside the Ti evaporative coils and then the temperature is lowered. Then the low temperature brine water has a heat transfer with the water inside the ice bucket which will be lowered to 0°C below. After a certain ice making time, the water in the

ice bucket all becomes ice when the ice thawing system is beginning to run. The crane will hoist a row of buckets down into the ice thaw tank full of running warm water. So the bucket temperature will be rising when the ice surface thaws and gets separated from ice bucket. Then ice buckets will be hoisted to the ice can dump. Fix buckets and then rotate dump upside down and ice is dropped down. Put up the buckets and refill water to a certain level using water feeding gadget, then the crane will hoist the buckets back to the brine water tank and hoist another row of ice buckets in the brine water tank. Thaw ice, drop ice and add water cyclically.

## Equipment features

- Ti pipe is used as evaporative coil to improve the heat transfer effect, and its stainlessness, anti-corrosion can guarantee the long service time.
- The stainless PE part between the brine and the fresh water is proper to mode and weld. And it works very well in a cold condition.
- the particular design of ice thawing tank and ice dumping unit bring easier operation.
- The thawing tank is heated by hot gas discharged from the compressor so that it is more energy saving and suitable for low water temperature area.
- Modular and integrated design ensures it is easy to ship, move and install on the spot.
- Every brine refrigeration block ice machine can be customized according to our clients' requirements.
- The brine refrigeration block ice machine can be containerized: 6 T/day ice production in a 20' container and 12.5T/day ice production in a 40' container.



## Brine refrigeration block ice machine technical parameter

Brine refrigeration block ice machine technical parameter						
Model	Capacity	Refrigerant	Electricity consumption	Installment power	Operating weight	Dimension
--	Ton/D	--	Kw	Kw	Kg	mm
<u>FIB-50S</u>	5	R22/R404A	21.14	25	Unit	L1400×W1000×H1250
					Evaporator	L4800×W1000×H2250
					Cooling tower	Φ1380×H2170
<u>FIB-100S</u>	10	R22/R404A	40.69	50	Unit:1680	L1800×W1000×H1450
					Evaporator: 2860×2	L4800×W1000×H2250
					Cooling tower: 670	Φ2000×H2410
<u>FIB-150S</u>	15	R22/R404A	60.60	75	Unit:2160	L2000×W1200×H1600
					Evaporator: 2860×3	L4800×W1000×H2250
					Cooling tower: 1120	Φ2175×H2565
<u>FIB-200S</u>	20	R22/R404A	88.50	105	Unit:2896	L2400×W1600×H1800
					Evaporator: 2860×4	L4800×W1000×H2250
					Cooling tower: 1300	Φ2650×H2645
<u>FIB-250S</u>	25	R22/R404A	98.80	120	Unit:3260	L3200×W1800×H2200
					Evaporator: 2860×5	L4800×W1000×H2250
					Cooling tower: 1630	Φ3050×H2780
<u>FIB-300S</u>	30	R22/R404A	120.30	150	Unit:3500	L3000×W2000×H2200
					Evaporator: 2860×6	L4800×W1000×H2250
					Cooling tower: 2730	Φ3300×H2785

Standard condition: Dry ball temperature is 33 °C and water inlet temperature is 20°C.