

HEAVY DUTY INDUSTRIAL ICE MACHINE

EQUIPMENT



Tomori Ice Factory Machine provides various types of industrial-scale ice machines ranging in capacity from 1 - 100 tons. Tomori Ice Factory Machine is a superior product that has spread throughout Indonesia, several machine products include block ice machines, tube ice, flake ice, etc.



Best Performance



Easy Maintenance



High Quality

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DIRECT REFRIGERATION BLOCK ICE MACHINE



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New German technology ensures evaporator a faster and better refrigerating performance. Modular shape, featuring of plug-and-play ready system especially for tropical & coastal environment design.

Advantages of The Block Ice :

Block ice has a big advantage, in comparison to other forms of ice in tropical countries. Storage, handling and transport can all be simplified if the ice is in the form of large blocks; simplification is often obligatory in small-scale fisheries and in relatively remote areas. Moreover, under the same condition, block ice has the longest storage period. Tomori offers both transparent and milky white ice for your reference. The transparent ice is usually used in ice-carving.

Block Ice Standard Weight & Size :

Weight(Kg/Block)	Dimension(L*W*H mm)	Ice Making Time(Hour)	Batch(Times)
5	125x100x600	5.5	4
10	155x100x750	5.5	4
15	185x125x750	7.5	3
20	245x125x750	7.5	3
25	315x125x750	7.5	3
50	480x160x750	11.5	2

The maximum length of block ice from aluminum system is 750mm and the size can be customerized.

DIRECT SYSTEM BLOCK ICE MAKING PROCESS



Features

Description

Water will be added automatically to ice cans and directly exchange heat with the refrigerant. When ice making is finished, the refrigeration system will change into ice doffing mode automatically in which HPHT refrigerant air will release heat to melt the surface of block ice. All the ice blocks will fall down in 25 mins.

- ✓ The evaporator adopts special aluminum alloy plate which is more durable and meets food hygiene requirements.
- ✓ Ice thawing and ice doffing are fully-automatic, therefore no manual work is needed.
- ✓ The ice is doffed by batch and the whole ice-doffing process only takes 25 minutes.
- ✓ The whole batch of ice blocks can be moved by forklift, quick and convenient.

No Brine Tank !

No Hoist !

No Ice Thawing Tank !

Space Saving !

Labor Saving !

DIRECT REFRIGERATION BLOCK ICE MACHINE TECHNICAL PARAMETER



Mode	Daily Capacity	Refrigerant	Electricity Consumption	Install Power	Operating Weight	Size (L*W*H)
TMB-05D	0.5T	R22/2404A	2.055 KW	2.5 KW	560 KG	1500x800x1800 mm
TMB-10D	1T	R22/R404A	4.85 KW	6 KW	960 KG	1800x1200x2000 mm
TMB-15D	1.5T	R22/R404A	6.94 KW	8.5 KW	1260 KG	2800x1200x2000 mm
TMB-20D	2T	R22/R404A	8.16 KW	10 KW	1460 KG	2800x1400x2200 mm
TMB-25D	2.5T	R22/R404A	9.51 KW	12 KW	1660 KG	3200x1400x2000 mm
TMB-30D	3T	R22/R404A	11.52 KW	14 KW	2180 KW	3600x1400x2200 mm
TMB-35D	3.5T	R22/R404A	14.85 KW	18 KW	2100 KW	3600X1650X2000 mm
TMB-50D	5T	R22/R404A	20.9 KW	25 KW	Unit : 960 KG	L1400Xw1000xH1250 mm
					Evaporator : 2860 KG	L4800xW1000xH2250 mm
					Cooling Tower : 460 KG	ø 1380xH2170 mm
TMB-100D	10T	R22/R404A	33.98 KW	50 KW	Unit : 1680 KG	L1800xW1000xH1450 mm
					Evaporator : 2860 KGx2	L4800xW1000xH2250 mm
					Coolingtower : 670	ø 2000xH2410 mm
TMB-150D	15T	R22/R404A	59.15 KW	75 KW	Unit : 2160	L2000xW1200xH1600 mm
					Evaporator : 2860 KGx3	L4800xW1000xH2250 mm
					Cooling Tower : 1120	ø 2175xH2565 mm
TMB-200D	20T	R22/R404A	85.55 KW	105 KW	Unit : 3260	L3200xW1800xH2200 mm
					Evaporator : 2860 KG x5	L4800xW1000xH2250 mm
					Cooling Tower : 1630	ø 3050xH2780 mm
TMB-250D	25T	R22/R404A	94.05 KW	120 KW	Unit : 3260	L3000xW2000xH2200 mm
					Evaporator : 2860 KG x5	L4800xW2000xH2200 mm
					Cooling Tower : 3500	ø 3300xH2785 mm
TMB-300D	30T	R22/R404A	113.55 KW	150 KW	Unit : 3500	L3000xW2000xH2200 mm
					Evaporator : 2860 KGx6	L4800xW2000xH2200 mm
					Cooling Tower : 2730	ø 3300xH2785 mm

The above-mentioned parameter will be changed subject to technical innovation without further notice.

CONTAINERIZED BLOCK ICE MACHINE



Best Performance



Easy Maintenance



High Quality



Features :

- ✓ Convenient transportation and installation, no need to build a room for the container and machine.
- ✓ Self-contained condensing unit is pre-piped and wired.
- ✓ New ISO container equipped with lighting and drainage system.
- ✓ Corrugated aluminum floors, skid and wearing resistant.
- ✓ Cost-saving, simple maintenance, long service life.

The whole container is specially treated and reinforced. It is also a perfect protection from physical impact to the machine and keeps the dust outside. Both brine system and direct system can be installed in the 20 or 40 feet container.

TECHNICAL PARAMETER CONTAINERIZED MACHINE



Technical Parameter for Containerized Direct Refrigeration Block Ice Machine

Model	Daily Capacity	Refrigerant	Electricity Consumption	Operating Weight	Size (LxWxH)	
20 Feet Container	TMB-10DC	1T	R22/R404A	6.0 KW	960 KG	6058x2438x2591 mm
	TMB-30DC	3T	R22/R404A	14.0 KW	2180 KG	6058x2438x2591 mm
	TMB-50DC	5T	R22/R404A	20.9 KW	3820 KG	6058x2438x2591 mm
40 Feet Container	TMB-100DC	10T	R22/R404A	33.9 KW	7400 KG	12192x2438x2895 mm
	TMB-150DC	15T	R22/R404A	52.4 KW	10740 KG	12192x2438x2895 mm
	TMB-180DC	18T	R22/R404A	55.1 KW	12000 KG	12192x2438x2895 mm
	TMB-200DC	20T	R22/R404A	65.3 KW	15000 KG	12192x2438x2895 mm

Technical Parameter for Containerized Brine Refrigeration Block Ice Machine

Max capacity of brine system in 20'GP models: 5 Ton / day

Max capacity of brine system in 40'HQ models: 12.5 Ton / day

Model	Daily Capacity	Refrigerant	Electricity Consumption	Operating Weight	Size (LxWxH)	
20 Feet Container	TMB-10CB	1T	R22/R404A	6.0 KW	960 KG	6058x2438x2591 mm
	TMB-30CB	3T	R22/R404A	14.0 KW	2180 KG	6058x2438x2591 mm
	TMB-50CB	5T	R22/R404A	20.9 KW	3820 KG	6058x2438x2591 mm
40 Feet Container	TMB-80CB	8T	R22/R404A	30.79 KW	5600 KG	12192x2438x2895 mm
	TMB-100CB	10T	R22/R404A	33.98 KW	7400 KG	12192x2438x2895 mm
	TMB-125DC	12.5T	R22/R404A	36.0 KW	8500 KG	12192x2438x2895 mm

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

The given parameter is subject to be changed without further notice due to technical upgrading and innovation. For more accurate data, please refer to our engineering and sales group.

TUBE ICE MACHINE



Best Performance



Easy Maintenance



High Quality



According to the ambient temperature of the place of use, tube ice machine adopts air-cooling, water-cooling or evaporative cooling condenser.

Small Capacity Tube Ice Machine :

A complete unit with all equipments assembled in a steel frame except its cooling tower for water-cooling or air fan for air-cooling. It's suitable for container shipment, easy to ship, move and install. Right after connecting to an electric and water source, the machine can be put into use.

Large Capacity Tube Ice Machine :

A modular design is adopted. The whole unit consists of 3 parts.

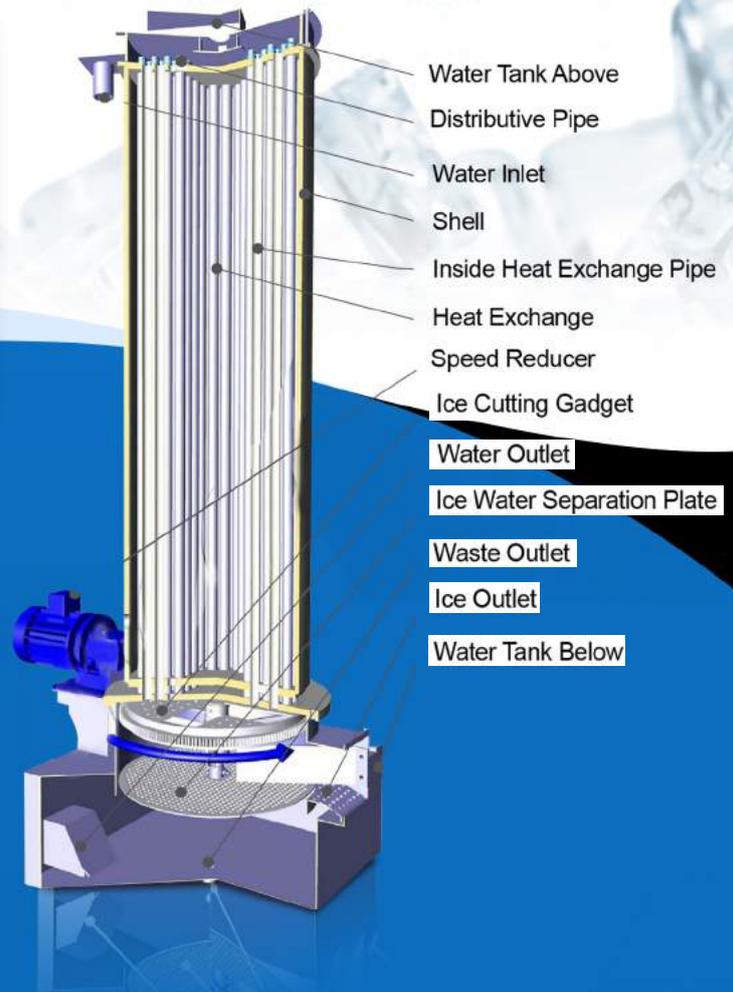
Evaporator module : The evaporator and its accessories are installed on a steel frame which forms the evaporator module. When transporting, place the evaporator horizontally and stand it upright when installing.

Compressor module : Compressor, condenser, reservoir, liquid receiver, oil separator, and electric control box are installed on a steel frame to form the whole set.

Electrical module : Programmable Logic Controller, air switch, contact part and panel part.

DIAGRAM OF TUBE ICE EVAPORATOR

The main part of the tube ice machine is the ice evaporator, a vertical shell-and-tube vessel surrounded by a water tank. Special water distributors on top of each tube control an even, spiral supply of water down the inside of the tubes. Excess water is collected in a tank beneath the ice evaporator and pumped back up to the tank at the top.



Features :

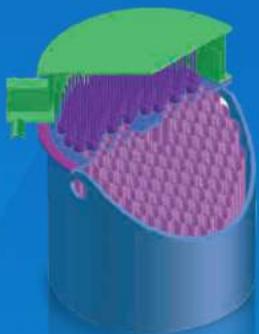
- ✓ Pure German technology and years' research experience in refrigeration.
- ✓ Original Pre-Purify TM patented technology makes ice crystal.
- ✓ All equipment is made of 3D simulation assembly, compact structure, which makes it humanized to operate and maintain.
- ✓ Evaporator adopts SUS304, PE, and aluminum material.
- ✓ PLC system controls the ice making process automatically.



Tube Welding



Tube Expanding



The use of stainless steel SUS304, aluminum alloy plate-type evaporator, accords with the health and safety requirements. Special alloy material combined with unique heat treatment process makes the evaporator have the best thermal performance.



Ice Cutter



Ice Making Process



Refrigeration Purpose



Tube Ice Making Process

Tube ice is formed in a vertical shell-and-tube vessel by water passing down inside the tubes which are cooled by the circulation of refrigerant on the outer surface. As the ice falls from the tubes it is cut by the rotating ice cutter to a desired size. The ice tubes are about 50 mm in length and 21, 28, 34mm three options in external diameter. When the ice reaches the desired thickness, the water flow will stop automatically. The refrigerant is removed to a surge drum and hot gas is circulated around the tubes causing the ice tubes to melt and slide down.

Small Capacity Tube Ice Machine Technical Parameter

Model	Daily Capacity	Refrigerant	Electricity Consumption	Install Power	Operating Widget	Size (L*W*H)
TMT-10K	1T	R404A	4.74KW	6KW	890KG	1400x800x1800 mm
TMT-30K	3T	R404A	11.01KW	13.5KW	1250KG	1700x920x2000 mm
TMT-50K	5T	R404A	16.03KW	20KW	1650KG	1700x1200x2200 mm
TMT-60K	6T	R404A	18.42KW	28KW	1650KG	1800x1250x2200 mm
TMT-80K	8T	R404A	24.55KW	30KW	1650KG	2000x1450x2200 mm



Large Capacity Tube Ice Machine Technical Parameter

Model	Daily Capacity	Refrigerant	Electricity Consumption	Install Power	Operating Weight	Size (L*W*H)
TMT-100	10T	R404A	34.95 KW	45 KW	Unit : 1560 KG	1800x1500x1600 mm
					Evaporator : 2296 KG	1180x1180x3500 mm
					Cooling Tower : 670 KG	Ø 2000x2410 mm
TMT-150	15T	R404A	48.4 KW	60 KW	Unit : 1890 KG	2000x1800x1600 mm
					Evaporator : 2685 KG	1250x1250x4200 mm
					Cooling Tower:1120 KG	Ø 2175x2565 mm
TMT-200	20T	R404A	68.5 KW	85 KW	Unit : 2260 KG	2200x2000x1800 mm
					Evaporator : 3650 KG	1350x1350x4600 mm
					Cooling Tower:1120 KG	Ø 2175x2565 mm
TMT-250	25T	R404A	85.3 KW	105 KW	Unit : 2680 KG	2400x2200x2000 mm
					Evaporator : 4260 KG	1450x1450x5200 mm
					Cooling Tower:1300 KG	Ø 3050x2780 mm
TMT-300	30T	R404A	105 KW	130 KW	Unit : 3280 KG	2800x2200x2000 mm
					Evaporator : 4860 KG	1450x1450x5200 mm
					Cooling Tower:1630 KG	Ø 3050x2780 mm
TMT-350	35T	R404A	116 KW	140 KW	Unit : 3860 KG	3500x2200x2000 mm
					Evaporator : 5650 KG	1500x1500x5500 mm
					Cooling Tower:2730 KG	Ø 3770x3490 mm
TM-400	40T	R404A	139.6 KW	170 KW	Unit : 4250 KG	3600x2200x2200 mm
					Evaporator : 5890 KG	1500x1500x5800 mm
					Cooling Tower:2730 KG	Ø 3770x3490 mm
TMT-500	50T	R404A	177 KW	220 KW	Unit : 4560 KG	4300x2200x2000 mm
					Evaporator : 6500 KG	1800x1800x6000 mm
					Cooling Tower:3770 KG	Ø 3770x3690 mm

Standard condition: Dry bulb temperature is 33°C and water inlet temperature is 20°C.
The above-mentioned parameter will be changed subject to technical innovation without further notice.

FLAKE ICE MACHINE



Best Performance



Easy Maintenance



High Quality



Equipment Features

- ✓ Internally-scraping ice skate can help reduce energy consumption and prevent leakage of refrigerant.
- ✓ Stainless steel materials, advanced processing equipment and heat treatment processing ensure the best heat transfer efficiency.
- ✓ The design of large water receiving plate can prevent water leaking at the bottom of evaporator.
- ✓ Photoelectric switch is directly installed at the bottom of evaporator to realize automatic control of full ice.
- ✓ Direct liquid feeding and dry evaporation, simple & safe to control.
- ✓ Integrated modular design, convenient to install and maintain.

Features

- ✓ Irregular ice flakes with size about 40*40mm and thickness around 1.5-2.5mm.
- ✓ The thin ice can be directly used for stirring and mixing refrigerated materials.
- ✓ No acute edges and corners so it will not damage the surface of the cooled object.
- ✓ Large contact area and fast cooling speed. Easy to crush and mold.



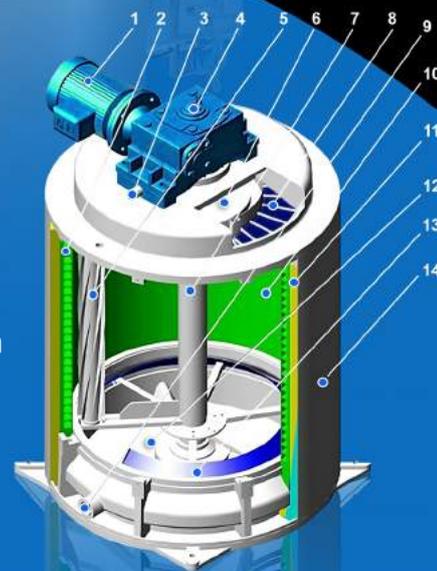


Flake Ice Evaporator :



The internal structure of the evaporator is specially designed to improve the heat-exchange efficiency and to keep the loop unblocked with special processing technology. The internally-scraping ice-making mode has been adopted, which reduces the loss of energy and avoids the leakage of refrigerant.

1. Motor
2. Refrigerant Runner
3. Water Inlet
4. Speed Reducer
5. Ice Skates
6. Water Sprinkling pan
7. Principle Axis
8. Water Sprinkler
9. Water Return Pipe
10. Inner Wall
11. Insulation Layer
12. Ice Outlet
13. Low Water Pan
14. Stainless Steel Wrapped Sheet



Technical Parameter of Small Capacity Flake Ice Machine

Model	Daily Capacity	Refrigerant	Electric Consumption	Install Power	Operating Weight	Size (L*W*H)
TIF-05AS	0.5T	R404A	2.56 KW	2.2 KW	208 KG	1200x740x590 mm
TIF-08AS	0.8T	R404A	4.43 KW	2.8 KW	235 KG	1200x740x650 mm
TIF-10AS	1T	R404A	5.16 KW	4.2 KW	380 KG	1200x740x780 mm
TIF-12AS	1.2T	R404A	6.63 KW	4.5 KW	420 KG	1400x960x780 mm
TIF-15AS	1.5T	R404A	7.72 KW	5 KW	450 KG	1560x1200x880 mm
TIF-20AS	2T	R404A	11.17 KW	6.5 KW	480 KG	1560x1200x960 mm
TIF-25AS	2.5T	R404A	12.62 KW	8 KW	550 KG	1560x1200x1150 mm
TIF-30AS	3T	R404A	14.35 KW	10 KW	550 KG	1560x1200x1150 mm



Technical Parameter of Medium Capacity Flake Ice Machine

Model	Daily Capacity	Refrigerant	Electric Consumption	Install Power	Operating Weight	Size (L*W*H)
TIF-50	5T	R404A	17.72 KW	22 KW	1250 KG	2200X1050X1550 mm
TIF-80	8T	R404A	25.55 KW	30 KW	1800 KG	3400x1550x1800 mm
TIF-100	10T	R404A	34.31 KW	42 KW	2200 KG	3550x1550x2100 mm
TIF-120	12T	R404A	38.80 KW	50 KW	3000 KG	3720x1650x2050 mm
TIF-150	15T	R404A	49.35 KW	60 KW	3200 KG	4000x1850x2400 mm
TIF-200	20T	R404A	60.40 KW	80 KW	3600 KG	4200x2000x2914 mm

Technical Parameter of Large Capacity Flake Ice Machine

Model	Daily Capacity	Refrigerant	Electric Consumption	Install Power	Operating Weight	Size (L*W*H)
TIF-250	25T	R404A	78.85 KW	53 KW	Unit : 2500 KG	2500x2000x2000 mm
					Evaporator : 3000 KG	2050x1660x2450 mm
TIF-300	30T	R404A	102.45 KW	125 KW	Evaporator : 4500 KG	2800x2200x2200 mm
					Evaporator : 4500 KG	2400x2000x3000 mm
TIF-350	35T	R404A	115.35 KW	140 KW	Unit : 2800 KG	2800x2200x2200 mm
					Evaporator : 4600 KG	2400x2000x3200 mm
TIF-400	40T	R404A	147.35 KW	180 KW	Unit : 3000 KG	2800x2400x3600 mm
					Evaporator : 5500 KG	2800x2400x3600 mm
TIF-500	50T	R404A	176.3 KW	220 KW	Unit : 3200 KG	2800x2200x2200 mm
					Evaporator : 6500 KG	3000x2500x2200 mm
TIF-600	60T	R404A	214.9 KW	280 KW	Unit : 4500 KG	3400x2200x2200 mm
					Evaporator : 6500 KG	3000x2500x4500 mm

MARINE SEAWATER FLAKE ICE MACHINE

✓ Best Performance

✓ Easy Maintenance

✓ High Quality



Design Features:

- ✓ The material of flake ice machine is stainless and antiseptic aluminum alloy to get over seawater and sea wind erosion.
- ✓ Bitzer deepened oil tank and marine seawater condenser guarantee normal running even when vessels shake at 30°
- ✓ Module design adopted with all parts welded, more space-saving.

Marine Seawater Flake Ice Machine is designed for large ocean-going fishing industry which could overcome the corrosion of seawater, pitching and swing problems of vessels.

Technical Parameter for Marine Seawater Flake Ice Machine:

Model	Daily Capacity	Refrigerant	Electricity Consumption	Operating Weight	Size (LxWxH)
TIFM-05	0.5T	R404A	2.5 KW	530 KG	1100x700x630 mm
TIFM-08	0.8T	R404A	3.67 KW	560 KG	1200x740x650 mm
TIFM-10	1T	R404A	4.3 KW	620 KG	1200x740x800 mm
TIFM-20	2T	R404A	7.1 KW	680 KG	1560x1200x960mm
TIFM-30	3T	R404A	11.3 KW	720 KG	1700x900x1200 mm
TIFM-40	4T	R404A	14.94 KW	780 KG	1700x900x1201 mm
TIFM-50	5T	R404A	17.28 KW	860 KG	2200x1050x1550 mm
TIFM-60	6T	R404A	21.24 KW	950 KG	2200x1050x1606 mm

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

LAND SEAWATER FLAKE ICE MACHINE

✓ Best Performance

✓ Easy Maintenance

✓ High Quality



Design Features:

- ✓ The material of flake ice machine is stainless and antiseptis aluminum alloy to get over seawater and sea wind erosion.
- ✓ Bitzer deepened oil tank and marine seawater condenser guarantee normal running even when vessels shake at 30°
- ✓ Module design adopted with all parts welded, more space-saving.

Technical Parameter for Land Seawater Flake Ice Machine:

Model	Daily Capacity	Refrigerant	Electricity Consumption	Operating Weight	Size (LxWxH)
TIF-50WB	5T	R404A	21.8 KW	1120 KG	2200x1050x1550 mm
TIF-60WB	6T	R404A	22 KW	1600 KG	2150x1350x1580 mm
TIF-80WB	8T	R404A	26 KW	1800 KG	2450x1650x1600 mm
TIF-100WB	10T	R404A	34.3 KW	3000 KG	3550x1550x2100 mm
TIF-150WB	15T	R404A	49.35 KW	3400 KG	4000x1850x2400 mm
TIF-200WB	20T	R404A	68.4 KW	3600 KG	4200x2000x2914 mm

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

CONTAINERIZED FLAKE ICE MACHINE



Best Performance



Easy Maintenance



High Quality



Equipment Features:

- ✔ Container integrated structure enables easiness on installation, transportation and production.
- ✔ Installed in the ISO container, reaches a high quality.
- ✔ Easy to operate and maintain in the

Containerized Flake Ice is divided into two types: 20 feet model and 40 feet model. Equipped with other equipments such as automatic ice storage room and ice delivering system into a container in order to simplify transportation and installment.

Technical Parameter for Containerized Flake Ice Machine:

Model	Daily Capacity	Refrigerant	Electricity Consumption	Operating Weight	Size (LxWxH)	
20 Feet Container	TIF-50C	5T	R404A	17.72 KW	3600 KG	6058x2438x2591 mm
	TIF-100C	10T	R404A	34.31 KW	4700 KG	6058x2438x2591 mm
	TIF-120C	12T	R404A	38.8 KW	5500 KG	6058x2438x2591 mm
	TIF-150C	15T	R404A	49.35 KW	5500 KG	6058x2438x2591 mm
	TIF-200C	20T	R404A	60.41 KW	6100 KG	6058x2438x2591 mm
40 Feet Container	TIF-250C	25T	R404A	78.85 KW	6500 KG	12192x2438x2895 mm
	TIF-300C	30T	R404A	102.45 KW	6800 KG	12192x2438x2895 mm
	TIF-400C	40T	R404A	147.35 KW	8000 KG	12192x2438x2895 mm
	TIF-500C	50T	R404A	176.3 KW	8500 KG	12192x2438x2895 mm
	TIF-600C	60T	R404A	204.9 KW	9200 KG	12192x2438x2895 mm

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

PLATE ICE MACHINE



Description :

Plate ice is a type of irregular sheet ice with about 40 x 40mm ~80 x 80mm in size, and 10mm~ 15mm in thickness. The thickness can be adjusted according to the ice making time. The maximum thickness is 30mm. It is a kind of thick and transparent ice which has good air permeability and long shelf life.

Application Fields :

Usually used for ice storage systems, also can be applied to concrete mixing plants, chemical plants, mining, fresh vegetables, fishing and other aquatic food industry.

After the secondary crushing, plate ice size is around 25 x 25mm, which is widely used in restaurant, supermarket and cafe, etc.



Features :

Evaporator with special processing technology.

Efficient Ice doffing mode.

Excellent water circulation system.

Technical Parameter for Small Capacity Plate Ice Machine

Model	Daily Capacity	Refrigerant	Electricity Consumption	Install Power	Operating Weight	Size (LxWxH)
TIP-10	1T	R22/R404A	6.69 KW	8 KW	960 KW	1700x1200x1700 mm
TIP-20	2T	R22/R404A	9.92 KW	12 KW	1200 KW	2200x1600x2000 mm
TIP-30	3T	R22/R404A	14.41	18 KW	1250 KW	2200x1500x2000 mm
TIP-50	5T	R22/R404A	25.15 KW	30 KW	1550 KW	2000x1800x2200 mm
TIP-60	6T	R22/R404A	30.6 KW	36 KW	1860 KW	2200x2000x2209 mm

Technical Parameter for Large Capacity Plate Ice Machine

Model	Daily Capacity	Refrigerant	Electricity Consumption	Install Power	Operating Weight	Size (LxWxH)
TIP-80	8T	R22/R404A	29.25 KW	35 KW	Unit : 670 KG	1200x800x1650 mm
					Evaporator:1356 KG	2200x1400x2200 mm
					CoolingTower : 540 KG	Ø 1500x2205 mm
TIP-100	10T	R22/R404A	39.07 KW	48 KW	Unit : 1150 KG	1600x1200x1800 mm
					Evaporator :1460 KG	2200x1700x2200 mm
					CoolingTower : 670 KG	Ø 2000x2410 mm
TIP-120	12T	R22/R404A	44.47 KW	55 KW	Unit : 1250 KG	1600x1250x1800 mm
					Evaporator : 1560 KG	2200x1900x2200 mm
					CoolingTower : 670 KG	Ø 2000x2410 mm
TIP-160	16T	R22/R404A	56.35 KW	70 KW	Unit : 1450 KG	1750x1250x1800 mm
					Evaporator : 1760 KG	2200x2100x2200 mm
					CoolingTower:1120 KG	Ø 2175x2565 mm
TIP-200	20T	R22/R404A	84 KW	100 KW	Unit : 2150 KG	2450x1600x1800 mm
					Evaporator : 2680 KG	3800x2200x2200 mm
					CoolingTower:1300 KG	Ø 2650x3565 mm
TIP-240	24T	R22/R404A	100.1 KW	125 KW	Unit : 2450 KG	2700x2200x2200 mm
					Evaporator : 3250 KG	4500x2200x2450 mm
					CoolingTower:1300 KG	Ø 2650x2565 mm
TIP-320	32T	R22/R404A	124 KW	150 KW	Unit : 2550 KG	2700x2200x2200 mm
					Evaporator: 3760 KG	3200x2200x2450 mm
					CoolingTower:1630 KG	Ø 3050x3780 mm
TIP-400	40T	R22/R404A	154.7 KW	200 KW	Unit : 2850 KG	3200x2200x2200 mm
					Evaporator : 5040 KG	3800x2200x2450 mm
					CoolingTower:2730 KG	Ø 3300x2785 mm
TIP-480	48T	R22/R404A	189.1 KW	230 KW	Unit : 3210 KG	3200x2200x2200 mm
					Evaporator : 5460 KG	3200x2200x2450 mm
					CoolingTower:3640 KG	Ø 3770x3490 mm

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

The above-mentioned parameter will be changed subject to technical innovation without further

HEAVY DUTY CONCRETE COOLING SYSTEM EQUIPMENT



Tomori Ice Factory Machine provides various types of industrial-scale ice machines ranging in capacity from 1 - 100 tons. Tomori Ice Factory Machine is a superior product that has spread throughout Indonesia, several machine products include block ice machines, tube ice, flake ice, etc.



Best Performance



Easy Maintenance



High Quality

CONCRETE COOLING SYSTEM



Best Performance



Easy Maintenance



High Quality



Features:

- ✔ Professional design and years of engineering experience can help provide you with the best scheme of tailor-made ice making system.
- ✔ Reduce cost and time of installation to great extent.
- ✔ Modular design makes it easy and convenient to move and maintain.
- ✔ Strong adaptability and stable quality.

Concrete cooling system for mass concrete consists of the following part: four-stage Water chilling system, cold water tank with pumping station, containerized Flake ice part, flake ice storage with fully automatic ice rake or screw and delivery system, flake ice conveying & weighing system and other combinations necessary for each construction site.

CONTAINERIZED FLAKE ICE PLANT



Containerized Flake Ice Plant

With advanced German technology, Containerized Flake Ice Plant suits for temperate, subtropical and tropical conditions. Nowadays, it has been widely applied into concrete cooling system.

Model	Daily Capacity	Power Supply	Compressor	Refrigerant	Cooling Way
TIM-30K	3T	380V/3P/50Hz	Bock	R22/R404A	Water Cooling
TIM-40K	4T	380V/3P/50Hz	Bock	R22/R404A	Water Cooling
TIM-50K	5T	380V/3P/50Hz	Bock	R22/R404A	Water Cooling
TIM-80K	8T	380V/3P/50Hz	Bock	R22/R404A	Water Cooling
TIM-100K	10T	380V/3P/50Hz	Bock	R22/R404A	Water Cooling
TIM-150K	15T	380V/3P/50Hz	Bock	R22/R404A	Water Cooling
TIM-200K	20T	380V/3P/50Hz	Bitzer	R22/R404A	Water Cooling
TIM-250K	25T	380V/3P/50Hz	Bitzer	R22/R404A	Water Cooling
TIM-300K	30T	380V/3P/50Hz	Bitzer	R22/R404A	Water Cooling
TIM-350K	35T	380V/3P/50Hz	Bitzer	R22/R404A	Water Cooling
TIM-400K	40T	380V/3P/50Hz	Bitzer	R22/R404A	Water Cooling
TIM-500K	50T	380V/3P/50Hz	Bitzer	R22/R404A	Water Cooling
TIM-600K	60T	380V/3P/50Hz	Bitzer	R22/R404A	Water Cooling

The given parameter is subject to be changed without further notice due to technical upgrading and innovation. For more accurate data, please refer to our engineering and sales group.

AUTOMATIC ICE STORAGE SYSTEM

Automatic Ice Storage System

With advanced German technology, Containerized flake ice plant suits for temperate, subtropical and tropical conditions. Nowadays, it has been widely applied into concrete cooling system.



Structure Features of Crawler Ice Storage

The entire floor of the storage facility is in the form of a tracked conveyor which moves the stored ice to the front, where it passes through the crusher and then gets discharged via the screw conveyor at the bottom outlet.



Structure Features of Rake Ice Storage

The automatic sensor and lifting gear of rake ice storage make the ice rake device rise and fall according to the actual ice level, and therefore the use ratio of the storage can be increased.



HEAVY DUTY SNOW MAKER EQUIPMENT



Tomori Ice Factory Machine provides various types of industrial-scale ice machines ranging in capacity from 1 - 100 tons. Tomori Ice Factory Machine is a superior product that has spread throughout Indonesia, several machine products include block ice machines, tube ice, flake ice, etc.



Best Performance



Easy Maintenance



High Quality

SKIING SNOW MAKING SYSTEM



Best Performance



Easy Maintenance



High Quality



Description :

Principle: ice machine makes water into ice, then the ice is crushed with the help of ice crushing&pumping system. The air conveying system transports the ice out, creating a snow falling scene.

Snow making system can work in any season without being affected by ambient temperature and humidity. It can make artificial snow even under +35 degree Celsius.

Features:

- ✔ Use flake ice as raw materials, snow capacity can reach 1000-5000 cubic meters/day.
- ✔ Focusun snow maker can work four seasons, even suitable for tropical areas.
- ✔ Artificial snow conveyor system can be transported through 300 meters, snow spraying straight line of 25 meters.
- ✔ Complete container system, reducing on-site engineering costs.
- ✔ Equipped with WEB intelligent monitoring security system, 24-hour control.

SCENERY SNOW FALLING MACHINE



Scenery snow falling machine can be applied in the following areas:
Ice and snow art museum; ice sculpture art museum; Ice lantern art festival; hot spring;
snow-themed bar; coffee house; snow falling house; industrial test; science education and etc.

Model Number	TAS-650G	TAS-1300G
Power Supply :	220V/1P/50-60 Hz	380V/3P/50-60 Hz
Refrigerant :	R22/R404A	R22/R404A
Daily Output :	300 KG	600 KG
Snow Falling Area :	25m ²	40m ²
Condenser Fan Power :	0.3 KW	0.35 KW
Condenser Cooling Way :	Air Cooling	Air Cooling
Compressor :	Copeland	Copeland
Operating Power :	1.4 KW	3 KW
Horse Power :	2Hp	4Hp
Size of Snow Falling System :	521*521*333 mm	600*600*425 mm
Size of Refrigeration System :	542*583*413 mm	680*820*630 mm
Weight of Snow Falling System :	25 KG	35 KG
Weight of Refrigeration System :	40 KG	65 KG
Inside Machine Noise :	35 dB	40 dB
Outside Machine Noise :	65 dB	70 dB

HEAVY DUTY COLD ROOM

EQUIPMENT



Tomori Ice Factory Machine provides various types of industrial-scale ice machines ranging in capacity from 1 - 100 tons. Tomori Ice Factory Machine is a superior product that has spread throughout Indonesia, several machine products include block ice machines, tube ice, flake ice, etc.



Best Performance



Easy Maintenance



High Quality

COLD ROOM / BLAST FREEZER



Best Performance



Easy Maintenance



High Quality



Features:

- ✔ Imported European compressor, good performance, low noise and high reliability.
- ✔ High quality sandwich PU panel, density reaches 45kg/m³.
- ✔ The automatic high-precision digital controller is easy to operate with high efficiency.
- ✔ Adjustable indoor temperature saves up to 30% electricity.

Application Fields :

Tomori Cold room is widely applied in the business of biology, industry, military, food, florist, farming, medicine, logistics, hospitality, and food processing.

Cold Storage :

Cold storage of +3 to +5°C is for preserving vegetables and fruits.

Cold storage of -20 to -18°C is for storing meat and seafood.

Blast freezer of -38~-33°C is for freezing meat and seafood.



COLD ROOM / BLAST FREEZER

Ice Storage Bin

1. Standard thickness of insulation is 100 mm.
2. Ice shelf life: 1-3 days.
3. Small capacity and short-term ice storage bin meets the needs of up to 1.8 tons machine.



Ice Storage Room

1. Standard thickness of insulation is 100mm.
2. Without refrigeration system.
3. Ice shelf life: 1-3 days.

Ice Storage with Refrigeration System

1. There is a refrigeration unit inside the ice storage, which can maintain the temperature at -8°C .
2. Standard thickness of insulation is 100 mm.
3. Ice shelf life: 20 days.



AUTOMATIC ICE STORAGE SYSTEM



Screw Ice Storage

Screw ice storage room is designed with special mechanical ice crushing structure, with the advantage of suiting for food processing industry, fishery, medicine industry and more.



Crawler Ice Storage

The entire floor of the storage facility is in the form of a tracked conveyor which moves the stored ice to the front, where it passes through the crusher and then gets discharged via the screw conveyor at the bottom outlet.



Rake Ice Storage

The automatic sensor and lifting gear of rake ice storage make the ice rake device rise and fall according to the detected actual ice level. The stainless steel and galvanized steel are available for storage plate covering. Axle lubricant can contact the food directly.

CONTAINERIZED COLD ROOM



Best Performance



Easy Maintenance



High Quality



With a 20 or 40 feet standard container, Tomori can manufacture different types of cold storage rooms with inside temperature from 5°C to -40°C.

Features :

- ✔ Simple installment, easy to transport and move, pre-installation of cold room and machine unit before leaving our factory.
- ✔ Short manufacturing period, good insulation effect.
- ✔ New ISO transport container, quality assures long using time.

SOLAR POWERED COLD ROOM



Best Performance



Easy Maintenance



High Quality



Features :

- ✓ Solar energy is inexhaustible, non-pollution and safe.
- ✓ Solar power cold room has high quality energy which can help decrease users' cost and increase more profits.
- ✓ Acquiring energy with less time by safer using process.
- ✓ Automatic design makes simple operation and reliability.
- ✓ Integrated and modular equipment guarantees convenient installment and maintenance on site.

The solar energy will be transformed into electricity in advance and stored in the battery. When the cold room is running, the converted electricity will be used as the driving power. It is a new cold room construction idea. We highly recommend solar power cold room supplemented by a generator as backup plan.

Due to the low conversion efficiency of solar energy, this project is therefore suitable for the regions where it can meet the following conditions: adequate lighting time, high annual average temperature, small construction area for the whole cold room project, inside temperature above -15°C.

Solar Powered Cold Parameter :

Model	Dimension	Compressor Power	Solar Panels	Accumulators (12V/200AH)	Inventer (KVA)	Generator (KVA)
20GP	4.5*2.23*2.25	2-5	300W*16	12	15	20
40GP	10*2.23*2.25	4-10	300W*32	24	25	30

APPLICATION FIELD

Medicine

In most cases of biosynthesis and chemosynthesis, ice is used to control the reaction speed and maintain the liveness. Tomori ice product is sanitary, clean with a rapid temperature reduction effect. It is the most ideal temperature-reducing carrier in the said industries.

Man Made ice Project

Man-made ice environment is large project. To every unique requirement from different customers with different situations, Tomori products will meet all the requirements and bring complete satisfaction.

Food Processing

In the course of food processing industry, such as biscuit, bread and meat, enormous heat is generated. In order to produce quality goods, ice is greatly needed to control the temperature.

Edible Ice

With the improvement of people's living condition, there is an increasing demand for edible ice. The ice is directly formed by freezing clean fresh water. It's flavorless and clean. It can be directly eaten or used to freeze drinks, mix wines, cool foodstuffs, make ice pastries, etc.

Supermarket / Hotel fresh keeping

The flake ice produced by Tomori machine is applicable for all kinds of super- markets and stores to keep seafood fresh. Flake ice can keep the chilled goods with its original color and maintain the original flavor.

Concrete Mixing Project

All around the world, in order to achieve high quality project, temperature-controlled concrete is applied to giant project, such as high dam, high grade expressway and skyscraper. As a good medium of temperature reduction, ice is widely used in these projects.

Fisheries and Aquatic food processing

Tomori Ice products provide ice-appropriate environmental temperature and humid environment for fresh-frozen seafood, transportation and processing so as to keep seafood fresh and moist.

Vegetable distribution and fresh-keeping

Nowadays, in order to guarantee the safety of food, such as vegetable, fruit and meat, more and more physical methods of storing and transporting are being adopted. Tomori ice has a fast cooling effect so as to ensure the applied object will not be damaged by bacteria.



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