

Plate Ice Machine

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Linsky plate ice machines are available in capacities ranging from 1 to 20 tons per day. We classified all plate ice making equipment into 3 categories: small capacity, large capacity and containerized type.

Plate Ice irregular transparent sheet ice, size around of 40×40mm to 80×80mm, which dimension is adjustable on request. Ice thickness is between 10~15mm, and it reaches to 25mm by Linsky tailor-made plate ice machine. The thickness of plate ice makes it suitable for long storage.

Plate Ice Features

- hygiene ice with transparent attractive appearance;
- pure, hard, dry and powderless ice suitable for excellent cooling and prolonged storage;
- good air permeability for constant cooling effect, very ideal for seafood keeping.

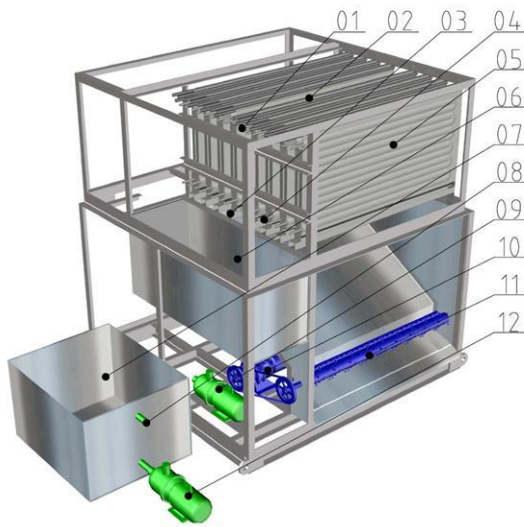
Main Applications aquatic products keeping, food processing, edible ice, dynamic ice conditioning, chemical industry, snow skiing and etc.

Linsky Plate Ice Machine Features

- Using hot gas to make ice fall off fast and the whole process takes only 120 seconds;
- After ice falls off, the water of low temperature is used for ice-making to save energy consumption and increase the ice production volume;
- Add function of evacuating the remainder of the water in the cold water tank so that ice can be more clean and transparent;
- Hot gas to defrost ice and temperature control to ensure the stability of ice harvesting and ice-making applicable to various regions around the world;
- The use of stainless steel evaporator meet the health and safety requirements;
- Laser welding technology ensures minimum possibility of evaporator deform;
- Evaporator plate is free to increase or decrease so there are more styles of products;
- Ice making time adopts time control and water level control, which can precisely adjust the thickness of the ice;
- Time control can adjust the thickness of the plate ice;
- Integrated modular equipment facilitates installation and maintenance on spot;
- Touch screen, reserve function, 3G network remote fault alarm, 4G network remote video monitoring are available on request;
- Warranty period

Complete Package	12~15 months
Compressor	3 years
Evaporator	3 years
Condenser	3 years
Cooling Tower	15 months

How Does a Plate Ice Machine Work?



- 01. Warm water distribution pipe
- 02. Cold water distribution pipe
- 03. Drain pan
- 04. Refrigerant inlet
- 05. Plate evaporator
- 06. Cold water tank
- 07. Warm water tank
- 08. Water inlet
- 09. Cold water pump
- 10. Speed reducer
- 11. Ice crusher
- 12. Warm water pump

* The diagram of plate ice machine working principle

As shown, cold water in tank (06) is delivered (05) by pump (09) to the cold water distribution pipes (02) which are on top of plate evaporator. Evenly flow on evaporators (05), cold water forms water film and through drain pan (03) back to cold water tank (06), this process will be recycled.

When reach to the set thickness, the cold water pump stop to work and refrigeration system switches to ice defrost mode. Hot gas flows from refrigerant inlet (04) into plate evaporators (05) and generates heat. Meanwhile, warm water pump (12) starts to run and delivers water to warm water distribution pipes (01). The warm water will be sprinkled between two evaporator plates. Hot gas plus the heat generated by warm water both make ice quickly fall off evaporator and drop into ice crusher (11).

Water in drain pan after gradually cooled will flow into cold water tank (06) and then be reused for the next ice making cycle.

Small Capacity Plate Ice Machine

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- Linsky small capacity plate ice machine ranges from 1 to 8 tonne per day;
- Modular and compact design, easy for operation, the default cooling mode is air-cooled;
- Customization can be made according to client's different requirements.

Note: Click the model number for details.

Model	Capacity	Refrigerant	Operating Power	Install Power	Operating weight	Dimension
LIP-10	1000kg/day	R22/R404A	5.8kw	7.5kw	920kg	L2121×W1300×H1950mm
LIP-20	2000kg/day	R22/R404A	8.9kw	11kw	1180kg	L2121×W1300×H1950mm
LIP-30	3000kg/day	R22/R404A	13.5kw	16kw	1200kg	L2121×W1440×H1950mm
LIP-40	4000kg/day	R22/R404A	17.35kw	20kw	1525kg	L2143×W1290×H2186mm
LIP-60	6000kg/day	R22/R404A	23.2kw	30kw	1850kg	L1990×W1570×H2186mm

LIP-80	8000kg/day	R22/R404A	29.15kw	34kw	2050kg	L2213×W1930×H2250mm
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Standard condition: dry bulb temperature is 35℃ and inlet water temperature is 25℃.

Brief Introduction

Information and data of plate ice plant have been collected and analyzed to be used for the product development and design improvement to suit the working condition.

- Power supply: standard electrical is 380V/3P/50Hz, we accept different electrical. Please inform us the change when place the order;
- Configuration: Bitzer compressor, Danfoss valves, Siemens PLC, Schneider Electrical etc world famous brand components. Neat and simple operation design makes it hassel-free machine;
- Refrigerant: R22, R404a, R507A;
- Ice maker freezing surface: aluminum alloy or stainless steel available;

Medium Capacity Plate Ice Machine

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- Modular and compact design, easy for operation, ready is in use only after water and power plug in. All parts are installed on the steel frame as self-contained unit, except for cooling tower;
- The default cooling mode is water-cooled. Air-cooled or evaporative-cooled is available on request.
- Customization can be made according to client's different requirements.

Note: Click the model number for details.

Model	Capacity	Refrigerant	Operating Power	Install Power	Operating weight	Dimension
LIP-100	10ton/day	R22/R404A	36.5kw	46kw	Ice Machine: 2570kg	L3430×W2060×H2426mm
					Cooling Tower: 670kg	Φ2000x2410mm
LIP-120	12ton/day	R22/R404A	42.53kw	53kw	Ice Machine: 2980kg	L3710×W2060×H2426mm
					Cooling Tower: 670kg	Φ2000x2410mm

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- Refrigerant: R22, R404a, R507A;
- Ice maker freezing surface: aluminum alloy or stainless steel available;

Large Capacity Plate Ice Machine

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- Linsky large capacity plate ice machine ranges from 15 to 40 tonne per day;
- Split type modular design, composed of compressor condenser module, evaporator module and cooling system module;

- Use one or multiple units of Bitzer screw compressor with economizer. Easy installation on-site. Just connect the refrigeration tubes, water pipes and electrical among three modules.;
- Customization can be made according to client's different requirements.

Note: Click the model number for details.

Model	Capacity	Refrigerant	Operating Power	Install Power	Operating weight	Dimension
LIP-150	15ton/day	R22/R404A	50kw	65kw	Unit: 1400kg	L2000×W1400×H1700mm
					Evaporator: 1750kg	L3123×W2150×H2350mm
					Cooling Tower: 1120kg	Φ2175x2565mm
LIP-200	20ton/day	R22/R404A	80kw	98kw	Unit: 2100kg	L2500×W1950×H1723mm
					Evaporator: 2650kg	L3843×W2150×H2450mm
					Cooling Tower: 1300kg	Φ2650x2645mm
LIP-240	24ton/day	R22/R404A	108kw	125kw	Unit:2560kg	L2700×W2200×H2191mm
					Evaporator: 3450kg	L4403×W2150×H2450mm
					Cooling Tower: 1300kg	Φ2650x2565mm
LIP-300	30ton/day	R22/R404A	119kw	145kw	Unit: 2560kg	L2700×W2200×H2191mm
					Evaporator: 3860kg	L5562×W2150×H2490mm
					Cooling Tower: 1630kg	Φ3050x2780mm
LIP-400	40ton/day	R22/R404A	181.3kw	208kw	Unit: 2850kg	L3300×W2200×H2200mm
					#1 Evaporator: 2650kg	L3843×W2150×H2450mm
					#2 Evaporator: 2650kg	L3843×W2150×H2450mm
					Cooling Tower: 2730kg	Φ3300x2785mm

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- Refrigerant: R22, R404a, R507A;

- Ice maker freezing surface: aluminum alloy or stainless steel available;

Containerized Type Plate Ice Machine

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- Linsky containerized type plate ice machine ranges from 6 to 30 tonne per day;
- Introduce brand new concept of containerized plate ice machine, designed for easy mobility and cleaning;
- Customization can be made according to client's different requirements.
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Model	Capacity	Refrigerant	Operating Power	Install Power	Operating weight	Dimension
LIP-60C	6 ton/day	R22/R404A	23.2kw	30kw	5860kg	L6058×W2438×H2591mm
LIP-100C	10 ton/day	R22/R404A	36.5kw	46kw	7650kg	L6058×W2438×H2591mm
LIP-150C	15 ton/day	R22/R404A	50kw	65kw	10600kg	L6058×W2438×H2591mm
LIP-200C	20 ton/day	R22/R404A	80kw	98kw	12600kg	L12192×W2438×H2896mm
LIP-240C	24 ton/day	R22/R404A	108kw	125kw	13300kg	L12192×W2438×H2896mm
LIP-300C	30 ton/day	R22/R404A	119kw	145kw	13800kg	L12192×W2438×H2896mm

Standard condition: dry bulb temperature is 35℃ and inlet water temperature is 25℃.

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- Refrigerant: R22, R404a, R507A;
- Ice maker freezing surface: aluminum alloy or stainless steel available;

