Tube Ice Machine

Linsky has extensive experience in the design, manufacture and trade of tube ice machine. This year, we have led the way with significant innovations on commercial use tube ice maker.

Tube Ice hollow cylindrical ice shape with three standard specifications for your options:

Option 1: external Ø 35mm,internal Ø 8-18mm,length 35-50mm;

Option 2: external Ø 29mm,internal Ø 6-16mm,length 30-45mm;

Option 3: external Ø 25mm,internal Ø 2-12mm,length 25-35mm;

Features Tube ice is thick and transparent with long storage period. It isn't likely to melt in short time and has good air permeability.

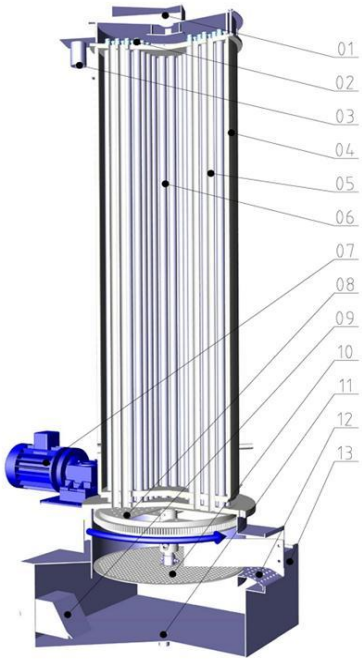
Application drinks mix/ decoration, keeping vegetable and seafood fresh, all industries etc.

Tube Ice Machine Features

- Tube ice machine, operates on an intermittent cycle, for example 18 minutes ice making and 3 minutes ice harvesting per cycle based on external diameter of 35mm specification ice tube;
- The internal diameter of tube ice can be adjusted according to ice making time;
- The evaporator employs SUS304 material and the heat exchange tube is designed at the most optimized thickness, combined with specialized heat treatment processing technology, which makes the best use of heat conductibility;
- Stainless steel cutters driven by gear motors are uniquely designed to produce cylindrical ice;
- High quality stainless steel for all water and ice contacting surfaces which are corrosion resistant and easy to clean;
- Tube ice machine is furnished with sub cooler, which ensures the energy efficiency of the system and gets the higher C.O.P;
- Rapid harvest and quick recovery due to hot gas defrost;
- Highly efficient Bitzer piston compressor;
- Self-diagnostic indicator light and electronic temperature controls;
- Warranty period

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

How Does A Tube Ice Machine Work?



01: Upper water tank

02: Water distributor

03: Water inlet to upper water tank

04: Shell

05 :Heat exchanger

06: Inside of heat exchanger

07: Reducer

08: Ice cutter

09: Water outlet to lower water tank

10: Ice water separation pan

11: Waste outlet

12: Ice outlet

13: Lower water tank

* The diagram of tube ice machine working principle

Ice making process

As shown, when refrigeration system start to operate normally, low temperature refrigerant liquid enters into shell (04) through refrigerant inlet, and it exchanges heat with water inside heat exchange pipe (06). After heat is absorbed and evaporated, it runs back to compressor through refrigerant outlet. Water in the tank (13) is pump out of water outlet (09) and delivered up to the inlet (03) of tank (01). After water goes across the distributive pipe (02), it downwardly flows along the wall of heat exchange tubes (06) and forms water film. The water then begin to exchange heat with the refrigerant outside the heat exchange tubes (05). When temperature lowers down, water freezes and ice formed inside heat exchange tubes (06)

Ice doffing process

As ice reaches a certain thickness, water route system stops circulation. Reduction gear (07) begins to run, and outside heat exchange tubes (05) is replaced by hot refrigerant gas which then melts the surface of ice. The ice harvests from heat exchange pipe (05) because of gravitational force and falls into ice cutter (08). Ice column finally is cut into 30-50mm length pieces of tube ice. Tube ice drops down and threw to ice outlet (12).

Linsky Small Capacity Tube Ice Machine Specifications

Model	Capacity	Refrigerant	Operating Power	Install Power	Operating weight	Dimension
LIT-10A	1000kg/day	R22/R404A	4.5kw	6kw	650kg	L1320×W950×H1800mm
LIT-30A	3000kg/day	R22/R404A	9.2kw	15kw	895kg	L2250×W1550×H2180mm
LIT-50A	5000kg/day	R22/R404A	14.5kw	20kw	1650kg	L3000×W1600×H2200mm
LIT-30W	3000kg/day	R22/R404A	9kw	15kw	795kg	L1550×W925×H2180mm
LIT-50W	5000kg/day	R22/R404A	14kw	20kw	1560kg	L1600×W1200×H2180mm

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

Linsky Large Capacity Tube Ice Machine Specifications

Model	Capacity	Refrigerant	Operating Power	Install Power	Operating weight	Dimension
LIT-100W	10tons/day	R22/R404A	32kw	40kw	Unit:1450kg	L1800×W1400×H1740mm
					Evaporator:1890kg	L1200×W1200×H3500mm
					Cooling Tower:540kg	ø1580x2205mm
LIT-150W	15tons/day	R22/R404A	50kw	65kw	Unit:1960kg	L2700×W2000×H2250mm
					Evaporator:2150kg	L1500×W1200×H4365mm
					Cooling Tower:670kg	ø2000x2410mm
LIT-200W	20tons/day	R22/R404A	65kw	80kw	Unit:2350kg	L2800×W2200×H2970mm
					Evaporator:2450kg	L1500×W1200×H4657mm
					Cooling Tower:1120kg	ø2175x2565mm
LIT-250W	25tons/day	R22/R404A	75kw	100kw	Unit:2690kg	L3000×W2200×H2500mm
					Evaporator:2750kg	L2000×W1800×H5575mm
					Cooling Tower:1120kg	ø2175x2565mm
LIT-300W	30tons/day	R22/R404A	95kw	125kw	Unit:2720kg	L3000×W2200×H2500mm
					Evaporator:2968kg	L2000×W1800×H6075mm
					Cooling Tower:1300kg	ø2650x2645mm
Standard condition: dry bulb temperature is 35℃ and inlet water temperature is 25℃.						

Linsky Commercial Capacity Tube Ice Machine Specifications

Model	Capacity	Refrigerant	Operating Power	Install Power	Operating weight	Dimension
LIT-50KA	50kg/day	R22/R404A	400w	500w	50kg	W700×D750×H1250 mm

LIT-100KA	100kg/day	R22/R404A	600w	750w	75kg	W700×D750×H1250 mm
LIT-150KA	150kg/day	R22/R404A	800w	1000w	95kg	W700×D750×H1250 mm
LIT-200KA	200kg/day	R22/R404A	900w	1200w	100kg	W500×D800×H1830 mm
LIT-250KA	250kg/day	R22/R404A	1150w	1500w	125kg	W760×D800×H1750 mm
LIT-300KA	300kg/day	R22/R404A	1300w	1700w	145kg	W760×D800×H1750 mm
LIT-400KA	400kg/day	R22/R404A	1800w	2400w	165kg	W760×D860×H2050 mm
LIT-500KA	500kg/day	R22/R404A	2150w	2800w	168kg	W760×D860×H2050 mm
Standard condition: dry bulb temperature is 35℃ and inlet water temperature is 25℃.