

**M**ELLO  
*Commercial*

# Tube Ice Machine



# TUBE ICE



Tube ice is a type of regular cylindrical ice with hollow heart. We have four dimensions of external diameters,  $\varnothing 22$ ,  $\varnothing 25$ ,  $\varnothing 29$  and  $\varnothing 35\text{mm}$ , with depth of  $25\sim 42\text{mm}$ . The crystal clear ice is quite stylish and attractive, brings a unique flavor to consumption and entertainment.

## Application

Mello tube ice machine adopts modular design, very easy to operate. The ice is pure and thick, has longer melting time, which caters to many occasions. Very suitable to use for daily ice consumption, fresh maintenance, aquatic food processing, ice plant, and gas station etc.



BAR



HOTEL



RESTAURANT



MARKET



HOME



COFFEE



## Features

- ★ *Pure American technology*, professional design and manufacturing experience.
- ★ Modular design, compact structure, *easy to operate and maintain*.
- ★ High quality stainless steel SUS304 material, *long resistance and longevity*.
- ★ *PLC automatically* manage ice generation and harvest, no need manual manipulation.
- ★ *Multiple safety protection* measures prevent any potential damages.
- ★ Best quality component parts bring *high efficiency and stability*.

|                                     |  |
|-------------------------------------|--|
| <b>Model:</b>                       | <b>TB1T</b>  |
| <b>Daily production (Kg/24 h):</b>  | 860 kgs / 1892 lbs (air@ 90°F/32°C, water@ 70°F/21°C)<br>1000 kgs / 2200 lbs (air@ 70°F/21°C, water@ 50°F/10°C)<br>1100 kgs / 2420 lbs (air@ 50°F/10°C, water@ 41°F/5°C) |
| <b>Evaporative temperature:</b>     | -10 °C   |
| <b>Refrigeration capacity (Kw):</b> | 6.2  |
| <b>Compressor:</b>                  | Bitzer   |
| <b>Refrigerant:</b>                 | R22/R404A  |
| <b>Refrigeration mode:</b>          | air-cooled   |
| <b>Ice degree:</b>                  | -3 °C  |
| <b>Ice diameter (MM):</b>           | 22, 25, 29 and 35  |
| <b>Compressor capacity (Kw):</b>    | 10.54  |
| <b>Condenser capacity (Kw):</b>     | 16   |
| <b>Operating power (Kw):</b>        | 4.31   |
| <b>Installation power (Kw):</b>     | 5.5  |
| <b>Power supply:</b>                | 3P/380V/50 Hz or 3P/220V/60Hz  |
| <b>Net weight (Kg):</b>             | 700  |
| <b>Dimension (CM):</b>              | 150×85×175   |

Note: 1. The nominal production is tested under the condition of air at 21 °C and water at 10 °C.  
2. All the parameter is subject to change due to technical innovation without prior notice.

# IT'S QUALITY WE GUARANTEE

We always bear in heart that the quality is the lifeline of our product. We set a rigid standard for selecting parts supplier. Only being the leading brand of the industry can be the suppliers of key components of our products. This is the premise to ensure the best quality of Mello tube ice machines. Our tube ice machines are of special design and are manufactured for the most strict technical requirements.

Siemens PLC



Danfoss Stop Check Valve



Recco Pressure Gauge



Bitzer Compressor



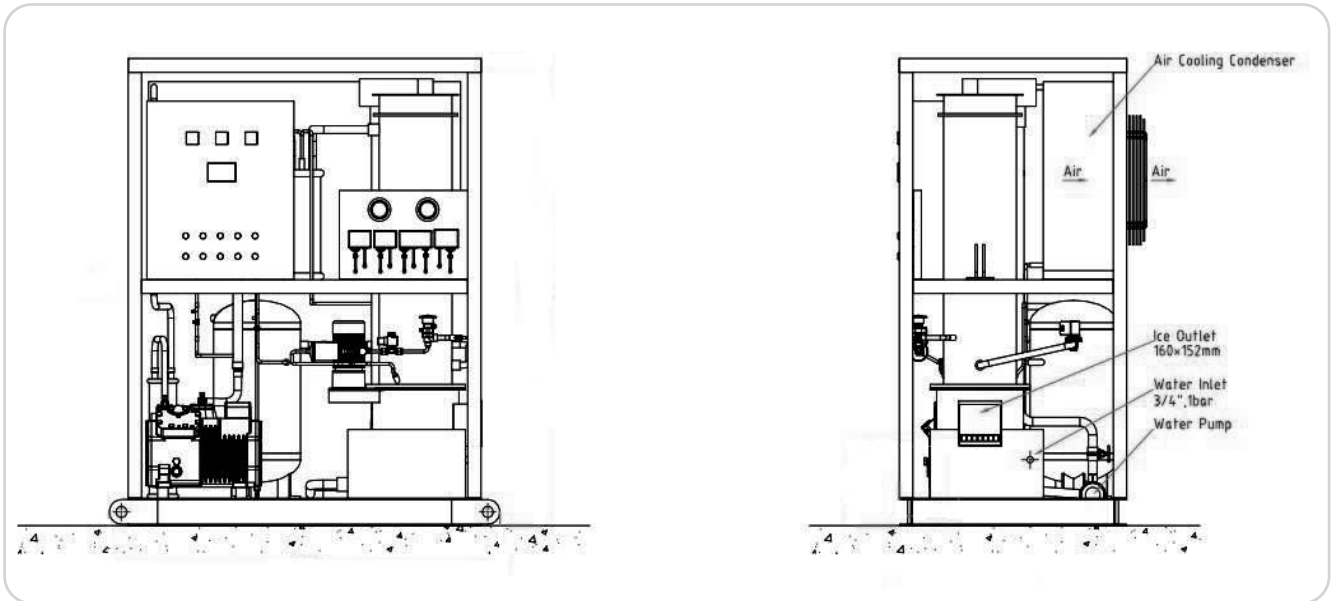
Danfoss Pressure Gauge



Danfoss Expansion Valve



# SCHEMATIC



## Operating Requirements

|                    | Minimum           | Maximum            |
|--------------------|-------------------|--------------------|
| Air Temperatures   | 50°F (10°C)       | 100°F (38°C)       |
| Water Temperatures | 40°F (4.4°C)      | 100°F (38°C)       |
| Water Pressures    | 20 PSIG (1.4 bar) | 120 PSIG (8.3 bar) |
| Electrical Voltage | -10%              | +10%               |