



Tips for Using the North Star Capacity Calculator

- Calculation Type: The default is set for **US Standard** calculations. If you would prefer metric, click the button for **Metric**.
- Freezing Surface: Stainless steel refers to standard stainless, Plus and Elite models. Stainless steel freezing surface is recommended for all food-related ice making or for seawater ice. Carbon steel can be used for non-food applications. For more information go to [Which Freezing Surface?](#)
- Ice Required: List the amount of ice you need for each 24 hour period. For more information go to [How Much Ice?](#)
- Evaporator Temperature: Evaporator temperature will vary according to your refrigerant type. If using ammonia the evaporator temperature could go as low as -35°F (-37°C). Freon could range from -15°F to -25°F (-26°C to -32°C), for its lowest evaporator temperature. Nominal capacities are based on -25°F (-32°C) evaporator temperature.
- Ice thickness: 1.5mm is recommended for fastest heat transfer (cooling) and highest capacity. 2.0 to 2.5mm is recommended for ice that will be conveyed pneumatically or stored for long periods before use.
- Refrigerant Type: North Star ice makers will work with any standard refrigerant.
- Water Supply Temperature: The recommended incoming water temperature for most applications is 60°F (15.5°C). Concrete cooling applications require 40°F (4.4°C) water. For higher incoming water temperatures, it may be more cost-effective to add a water chiller to pre-cool the supply water so the refrigeration capacity of the ice maker will be used for ice making, not for chilling water.
- Find Recommended Model: When all conditions are selected, click the "Find Recommended Model" button. You can continue to change the conditions and re-select this button at any time to update your calculations.
- Request Quote To request a quote on the recommended model, fill out the form below and select the "Submit" button at the bottom of the page.

Please note that the North Star capacity calculator provides general recommendations. If you have specific requirements or need help with the calculator, contact North Star.