



Leading the Way to a Brighter Future

Commercial Ice-Makers

Energy hungry ice-makers vary greatly in their consumption – from 4 kWh to 22 kWh per 100 pounds of ice. Energy-efficient ice-makers offer big energy savings for relatively little, if any, added cost. Careful choice of equipment can lead to big energy savings.

Commercial ice-makers are used in restaurants, hospitals, hotels, schools, offices, and grocery stores and represent approximately 11 percent of all commercial refrigeration energy use. Efficient models use 15 percent less energy than standard models. Investing in efficient equipment can pay back in less than two years.

Capacity

One key aspect of energy efficiency is selecting an ice-maker that best fits your needs. Buying an ice-maker that has more capacity than needed, is a certain waste of energy.

Types of Condensers

Ice-makers are available with three different types of condensers: air-cooled, water-cooled and remote air-cooled.

- Water-cooled models are more efficient than air-cooled units.
- Water-cooled and remote condensers reject heat outside the building, reducing air-conditioning load.
- Remote condensers reduce noise levels inside the building by up to 75 percent, but involve extra installation costs for running lines to a remote location.

Water Heat Recuperation

Some ice-makers direct incoming water behind the evaporator plate or over the ice to use the heat of the incoming water to assist in the ice harvesting process. This step also serves to pre-chill the incoming water and cuts energy use significantly.

Model Selection

The Consortium for Energy Efficiency (CEE) is a national, nonprofit corporation that promotes the manufacture and purchase of super-premium energy-efficient products and services. Visit CEE's website, cee1.org, for additional information on ice-makers and specifications for different types of ice-making equipment and their energy consumption. CEE's list of high-efficiency ice-maker models, which are all eligible for an Efficiency Maine custom incentive, can be found on their website.

Custom Incentives

The Efficiency Maine Business Program offers both prescriptive and custom incentives when you purchase a high-efficiency ice-maker. These incentives are based on the estimated energy savings that the project will achieve due to the new equipment installed – as well as the project costs. Custom incentives must be pre-approved by the Efficiency Maine Business Program prior to installation. Please ask your participating Qualified Partner for details, visit our website at efficiencymaine.com or call 866-376-2463.

For More Information

Learn more about cash incentives available through the Efficiency Maine Business Program from our Qualified Partners. A complete list of these contractors and suppliers who specialize in energy-efficient products and services is available at efficiencymaine.com, under Business Program, or call toll-free 866-376-2463. The website also provides information about programs for new school construction projects, state government and residential electric energy consumers.

Efficiency Maine is a statewide effort to promote the more efficient use of electricity, help Maine residents and businesses reduce energy costs, and improve Maine's environment.