



Transportable Ice Plant

2008 Model - Fully Containerized

Created with state of the art refrigeration technology and a 21st Century environmentally sensitive approach to the production of large ice blocks, this is a completely mobile high-volume ice producing machine.

Machine utilizes the traditional method of brine tank freezing with an environmentally conscious refrigerant of r-507. This results in timely and high quality production using proven technology. Standard 320-pound blocks of white ice can be ready for harvesting in as little as 40 hours. Crystal clear carving or specialty colored blocks can be produced within a 72 hour window. The current capacity of the operation is 32,000 pounds (one hundred 320-pound blocks) of crystal clear carving block ice per day. If clear ice is not required, the equipment can produce as much as 55,000 pounds per day of standard white ice.



All equipment necessary to produce ice is included in this comprehensive system:

- Self-contained trailer-mounted 40' shipping container which houses all of the refrigeration mechanical.
- (4) 40ft x 8 ft x 5ft brine tanks with overhead lifting cranes. Each brine tank houses 17 rows of 5 cans for 85 cans per tank. There are 340 stainless steel cans, each with a capacity of 40 gallons of water.
- Two 40 HP screw compressors in operation, plus one new standby compressor provided.
- Complete air distribution system to create crystal clear carving blocks.
- All hosing connectors and pumps to keep brine circulating within the tank and through the refrigeration system.



- Reverse osmosis water filtration system.
- Complete power panel and distribution components. Power for the system, whether via land power or generator, is 380v or 480v at 50hz/60hz max designed draw is 120KVA.
- Complete list of equipment and all flow charts, wiring diagrams, etc. provided.
- Designed to be used in ambient temperatures up to 97°F (36.1°C)
- Can be used on any type flat surface (cement, asphalt, gravel)
- Can be used indoors or outdoors (has provision for canvas roofing for outdoor use, canvas not included)



This unit was custom built by Snowkey for specialty use within the ice sculpture industry.

It is presently in operation where a project specific run of 4,500 ice blocks will be completed in mid-November. Unit will be available upon completion of this project. Balance of 18 month factory warranty (activated April, 2008) transfers with purchase.