Product name:	Product code:
Ice Plant	EEZ0025



Description

Ice Plant

Technical specification

- Expansion device : Thermostatic expansion valve (Danfoss make).
  Energy Meter : For power measurement of compressor.
  Pressure Gauge : 2 Nos. for H.P., L.P. measurement
  Suitable filter / drier.
  Hand Shut Off type Service valve.
  Ice Can : 9 Nos.
  Set of thermocouples.

Control Panel :

12 Channel Digital Temperature Indicator
Cutout : Make Ranco /Danfoss or Equivalent.
Switches : For compressor, condenser fan & a agitation system.
Voltmeter : 0 – 250 V.
Ammeter : 0 – 15 A.
Thermostat : Ranco or equivalent

Ice Plant Manufacturer

NAUGRA®
Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India
Email us at: export@civilmechanicalindia.com

Range Of Experiments

- To study all components used in refrigeration system.
  To study the Vapor compression Refrigeration cycle.
  To study the concept of Ice formation.
  To determine the Refrigeration Effect, Work Input, Actual C.O.P., Carnot C.O.P., Theoretical C.O.P., Relative C.O.P., Ton of Refrigeration, and Plant Efficiency.

Experimental Setup :

Compressor : Hermetically sealed compressor.
Condenser : Air Cooled condenser made out of copper pipe & Aluminum fins of matching capacity with fan cooling.
Brine Tank : Brine Tank made out of stainless steel sheets, insulated from all sides with provision to hold cans, evaporator coil at one side & an arrangement to drain the brine solution. A door is provided at the top of this tank.