

Product Name : " WATER CHILLER TRAINER TRAINING KIT "
Product Code : " R.A.C 08 "

DEMO



chhabrainstruments.com

Description :

WATER CHILLER TRAINER TRAINING KIT:-

AIM:-

- Especially designed for educational and training purpose.

INTRODUCTION:-

A **chiller** is a machine that removes heat from a liquid via a vapor-compression or absorption refrigeration cycle. This liquid can then be circulated through a heat exchanger to cool air or equipment as required. As a necessary by product, refrigeration creates waste heat that must be exhausted to ambient or, for greater efficiency, recovered for heating purposes. Concerns in design and selection of chillers include performance, efficiency, maintenance, and product life cycle environmental impact.

A vapor-compression chiller uses a refrigerant internally as its working fluid. Many refrigerants options are available; when selecting a chiller, the application cooling temperature requirements and refrigerant's cooling characteristics need to be matched. Important parameters to consider are the operating temperatures and pressures.

TECHNICAL SPECIFICATION:-

The most common form of refrigerating installations is a refrigeration system with compressor. The physical effect of absorbing heat from the environment during transition from liquid to gaseous state of the refrigerant is used (evaporation enthalpy).

Specification

¼ HP hermetic compressor, forced air-cooled condenser, automatic thermostat, capillary tube, high & low pressure gauges.

The unit is supplied with a mobile storage cabinet of code-gauge furniture stock steel with 4-inch swivel rubber-tired casters.