

MODEL NO
RAC-01

VAPOUR COMPRESSION REFRIGERATION TEST RIG

ENGINEERING

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Description:

Consisting of refrigeration cycle demonstration equipments

Compressor : Hermetically sealed reciprocating type 1/3 Ton Kirloskar makes.

Condenser : Fins and copper tube type air cooled

Evaporator : Compact once through concentric tube with refrigeration load supplied by separate electric heating elements.

Control Panel : The test rig consists of all instruments mounted on wooden board with laminated sheet. Sight Glass to see the flow of liquid refrigerant gas (R 134a), Capillary tube expansion device, Automatic expansion valve, Pressure Gauge, Suction Gauge Variac for heat load balancing, Filter, LP/HP cut out switch

Electrical Control : Main switch, Voltmeter, Ampere meter, Switch, Thermocouple (Copper-Constantan type is provided at crucial points to measure the parameters) with Digital temperature indicator

Experimental Capabilities:

1. Demonstration of Vapour Compression Refrigeration Cycle
2. To determine the C.O.P. of the unit
3. To study the basic components of the vapour compression refrigeration system.

EDUCATIONAL SYSTEM YOU CAN BUY FROM:

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