

COMPUTERIZED AC TUTOR (Model : XPO - CAC)



TECHNICAL SPECIFICATIONS :

Capacity	:	3000 KCal. / hr.
Tonnage	:	1.0 Ton
Moisture removal	:	1 Lit. /Hr.
Air Circulation	:	638 m ³ /hr approx.
Power Supply	:	220V / 50 Hz, 1 Phase.

The equipments consists of following components

- 1) Hermetically sealed compressor
- 2) Capillary
- 3) Control chamber and ducting : Houses sensors, thermostats & axial fan
- 4) Pre-heater
- 5) Rotameter to measure refrigerant flow
- 6) Measuring vessel to measure water condensed at dew point conditions
- 7) Cooling coil evaporator
- 8) Electrical Heater to load the system
- 9) Humidifier : Steam generation by using electrical heater
- 10) Energy –meter transmitter with digital indicator For display of power consumption
- 11) Temperature indicator (8 points) with sensors, 8 Nos.
- 12) Pressure gauges, 4 nos.
- 13) Anemometer with digital indicator, indicator mounted on the panel, calibrated in terms of volume of air in m³/ hr
- 14) Digital RH indicator 2 nos.
- 15) H.P./ L.P. cut out
- 16) Refrigerant :Eco-friendly, propane butane mixture
- 17) MS Test chamber with Acrylic door
- 18) Control panel made of MS and foam sheet 6 mm thick

Software :

- An off-line software should be supplied on CD Software should calculate all the parameters based on the logged data such as COP, etc.
- The equipment should be suitably modified to accept propane-butane mixture as refrigerant gas.

Also be supplied.

- A) Operating manual containing theory, procedure to conduct experiment and troubleshooting.
- B) Transparency and wall charts (1 No. each)

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