

Product Name :
Vapour Jet Refrigeration Trainer

Product Code :
ENGLABINGCAG2700014



Description :

Vapour Jet Refrigeration Trainer

Technical Specification :

FEATURES:

Clockwise and anticlockwise Rankine cycle- energy balances- calculation of the coefficient of performance of the refrigeration circuit.

Thermodynamic cycle in the log p-h diagram – operating behavior under load.

Understanding compression refrigeration systems based on the vapour jet method.

SPECIFICATION:

Vapour jet compressor :

dmin convergent-divergent nozzle: approx. 1,7mm

dmin mixing jet: approx. 7mm

Condenser :

Tank: approx. 3,5L

Pipe coil area: approx. 0,17m²

Evaporator :

Tank: approx. 3,5L

Heater power: 4x 125W

Vapour generator :
Refrigerant tank: approx. 0,75L

Water jacket: approx. 9L
Heater power: 2kW

Pump :
Max. Flow rate: approx. 1,7L/min
Max. Head: approx. 70mWS

Measuring ranges :
Current: 0...2,5A
Voltage: 0...230VAC
Temperature: 10x -20...200°C
Pressure: 2x 0...10bar / 2x -1...1,5bar
Flow rate (cooling water): 6...75g/s

Required for operation :
230V, 50Hz, 1 phase
230V, 60Hz, 1 phase



Engineering Lab Equipment India