

**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. 0,17m<sup>2</sup>

Evaporator :

Tank: approx. 3,5L

Heater power: 4x 125W

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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**