

Product Name :
Computerized Cascade Refrigeration Trainer

Product Code :
ENGLABINGCAG270007



Description :

Computerized Cascade Refrigeration Trainer

Technical Specification :

FEATURES:

Design and function of a refrigeration system with two-stage compression and injection intercooling
Effect of the inlet temperature at the HP compressor on the efficiency of the compression
Effect of the additional refrigerant intercooling
Distribution of the compressor pressure ratios
Represent and understand the refrigeration cycle process in the log p-h diagram
With intercooling
Without intercooling

SPECIFICATION:

Low-pressure compressor (LP) :
Displaced volume: 25,93cm³
Power consumption: 550W
Refrigeration capacity: 1744W at -10/32°C

High pressure compressor (HP) :
Displaced volume: 8,86cm³
Power consumption: approx. 275W
Refrigeration capacity: 583W at -10/32°C

Refrigerant :

Filling volume: 1,29kg

CO2-equivalent: 1,8t

Measuring ranges :

Flow rate: 2...29L/h, 4...40L/h

Pressure: 1x -1...15bar, 2x -1...24bar

Temperature: 8x -75...125°C

Power :

0...562W (heater)

0...750W (LP compressor)

0...2250W (HP compressor)

Required for operation :

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase



Engineering Lab Equipment India