

**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: 25,93cm<sup>3</sup>  
Power consumption: 550W  
Refrigeration capacity: 1744W at -10/32°C

High pressure compressor (HP) :  
Displaced volume: 8,86cm<sup>3</sup>  
Power consumption: approx. 275W  
Refrigeration capacity: 583W at -10/32°C

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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**