

Product Name :
Refrigeration System with Two-Stage Compression

Product Code :
DM465



Description :

Refrigeration System with Two-Stage Compression

Technical Specification :

Refrigeration System with Two-Stage Compression
Hermetic low and high pressure compressors
Adjustable intercooling via refrigerant injection
Heat exchange for additional supercooling of the liquid refrigerant
Closed refrigeration chamber contains evaporator with fan and adjustable electric heater as cooling load
digital display for temperatures, drive power of the compressors and cooling load power
Real-time representation of the process in the log p-h diagram of the software
Software for data acquisition via usb under windows 10
Environmental friendly and easily available refrigerant
It has technical data as shown below:
Low pressure compressor (LP)
Power consumption: 275W at -10/55°C
Refrigeration capacity: 583W at -10/55°C
High pressure compressor (HP)
Power consumption: 841W at -25/55°C
Refrigeration capacity: 702W at -25/55°C
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)
230V, 50Hz, 1 phase.

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