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Product Name :
Vehicle Air Conditioning Unit

Product Code :
LBNY-0005-12500091



Description :

Electric motor with variable speed as compressor drive
Condenser with fan
Evaporator as air cooler with three-stage fan
Compression refrigeration system with compressor, condenser, filter/drier, expansion valve and evaporator
Compressor drive via v-belt and magnetic coupling
Simulation of 8 faults via buttons in the connectable box
Investigation of a typical vehicle air conditioning system for cooling the vehicle interior
System is switched on via ignition lock
Air conditioning system voltage supply: 12VDC
Display of temperatures, pressures (refrigerant), flow rate (refrigerant), pick-up current, speed.

Technical Specification :

Axial piston compressor
Refrigeration capacity: approx. 3kw at 3000min-1
Evaporator: capacity: 5,3kW
Condenser: capacity: 6,6kw
Electric motor
Rotary current motor
Variable speed via frequency converter
Power: 4kW at 3000min-1
500...3000min-1
Measuring Ranges

Flow rate (r134a): 10...95l/h
Pressure: -1...9bar / -1...24bar
Temperature: 4x -100...100°C
Speed: 0...3.000min⁻¹
Current: 0...10A.



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