



Email : sales@laboratoryinstrumentindia.com

Product Name :
Vehicle Air Conditioning Unit

Product Code :
LBNY-0005-12500089



Description :

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

Technical Specification :

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

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



Laboratory Instrument India