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Product Name :
Car Climatization Study Unit

Product Code :
LBNY-0005-11700016



www.laboratoryinstrumentindia.com

Description :

The Car Climatization Study Unit allows to study a climatization plant for motor vehicles by simulating both the cooling and the heating of the passenger compartment. It includes the basic components present in this type of plants and allows to simulate the real working conditions. The fluid utilized is Freon R134a (HFC), which is CFC free. The unit is mounted on a wheeled frame and is fitted with the instruments necessary to measure the working parameters. Besides, it is possible to simulate some single faults. The study unit is supplied with manuals which describe the components, the installation and utilization procedures as well as many exercises with experimental results.

Experiments:

Heating of the passenger compartment.
Effect of the engine speed on the frigorific cycle.
Effect of the air temperature at the condenser.
Cooling of the passenger compartment for a given thermal load.
Fault simulation.
Calculation of the frigorific efficiency under different load conditions.

Technical Specification :

Weight and Dimensions:
Dimensions: 800 x 600 x 1700 h mm
Weight: 200 kg.



Laboratory Instrument India