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Product Name :
Compact Centrifugal Fan Test Set

Product Code :
LBNY-0005-1610005



Description :

Compact Centrifugal Fan Test Set is a bench top unit for studying the small centrifugal fan characteristics. An interchangeable forward blade impeller is provided for comparison of operating characteristics. The unit consists of a small industrial centrifugal fan with a backward blade impeller and a motor on a steel base, an advanced inverter, inlet and outlet ducts, and measuring instruments.

Experiments:

Comparison of backward and forward blade impellers.
Fan input, output and overall efficiency.
Flow rate vs pressure.
Effect of speed on fan performance.

Technical Specification :

Fan ratings:

Maximum pressure : 0.5 kPa.
Maximum flow rate : 10 m³/min.
Outlet duct: Transparent, with flow straighteners and damper.
Inlet duct: Transparent, with flow straighteners and inlet orifice.

Measuring instruments:

Thermometer and barometer : 1 set.
Differential pressure across fan : Inclined water manometer , 0-450 mm x 1 mm graduation, multiple slope.
Flow measurement: Inlet orifice and inclined water manometer, 0-450 mm x 1 mm graduation, multiple slope.

Accessories: Forward blade impeller and barometer.
Power supply : 220V 1Ph 50Hz.



Laboratory Instrument India