

Product Name :
Centrifugal Blower Test Set

Product Code :
CHINAELABC3720002



Description :

Centrifugal Blower Test Set

Technical Specification :

Centrifugal Blower Test Set a bench top unit for studying the centrifugal blower characteristics. The unit consists of an industrial type centrifugal blower with a motor and an inverter, inlet and outlet ducts with flow straighteners, a damper, and measuring instruments. Extra blades are provided for comparison study.

Experiments of Centrifugal Blower Test Set

Inlet and discharge pressures vs blower speed.

Flow rate vs speed.

Blower input, output and efficiency.

Comparison of backward, radial, and forward blade impellers.

Technical Data of Centrifugal Blower Test Set

Blower rating at 2900 rpm :

Maximum flow rate (unchoked) : Over 15 m³/min.

Maximum head (fully choked) : Over 150 mm. water.

Inlet duct with flow straightener.

Outlet duct with flow straightener and damper.

Measuring instruments

Air flow rate : Inlet orifice plate or Venturi nozzle using inclined water manometer.

Differential pressures : Two inclined water manometers (one for airflow rate)., 0-450 mm x 1 mm graduation,

multiple slope.

Temperature and barometer : 1 set.

Accessories : 2 extra impellers with radial and forward blade designs and barometer.

Power supply : 220 V, 1 Ph, 50 Hz. Other power supply is available on request.



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