

Product Name :
Centrifugal Blower Test Rig**Product Code :**
ALABS-A104-043**Description :****Centrifugal Blower Test Rig**

This equipment comprises of a FD Fan Centrifugal Blower coupled to a DC Motor. Three interchangeable impellers with forward, backward and radial vanes are provided with the test rig. Power input to the DC Motor is varied by means of a Thyristor controlled DC Drive to vary the RPM of motor. A RPM Indicator with Proximity sensor indicates the RPM of Blower.

A Pitot Tube is provided in the delivery line of blower for static and dynamic pressure measurement

Experiment:

- To study the effect of forward curved, back curved and radial curved impeller
- To find out the discharge, head and efficiency of the Centrifugal Blower
- To plot the graph Efficiency Vs Discharge
- To plot the graph Discharge Vs Head

Utilities Required:

- Electricity 1 kW, 440V AC, single Phase
- Floor Area 2.5 x 0.75 m



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