

Product Name :
Wind Tunnel

Product Code :
NLAB-ENGINEERINGLB50001



Description :

Wind Tunnel

Technical Specification :

SPECIFICATIONS:

1. Type : Open type Wind Tunnel.
2. Test Section : 300mm x 300mm x 1000 mm. long with two Perspex windows.
3. Blower Fan : 10 blades /nylon fan.
4. Motor : 5 HP D.C shunt motor, 1500rpm.
5. Speed Controller : 3 phase, thyristor controller to give smooth Speed control.
6. Air Velocity : In test section - 1 to 25 m/sec.
7. Duct : Manufactured out of ms sheet.
8. Length of Tunnel : 7 meter Aprox.

9. Manometer : 15 tube acrylic manometer with inclination arrangement.

10. Pitot tube

WOODEN MODELS:

1. Aerofoil: a) Symmetrical b) Unsymmetrical.
150mm width and 250mm long with

15 piezometric tapping with 0-360 degree protractor.

2. Cylindrical Model: 75mm, dia., 250mm long with piezometric tapping and
0-360 degree protractor.

3. Spherical Model: - 100mm, dia.

Lift & Drag Indicator

1. Lift

Display: - 3 1/2

Least count: - 0.1 kg

Range : - 6 kg

2. Drag

Display: - 3 1/2

Least count: - 0.1 kg

Range : - 6 kg

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