Wind Tunnel



Product Categories: Engineering Equipment
Product Tags: Engineering Equipment

Product Page: https://www.labappara.com/product/wind-tunnel/

Product Description

Wind Tunnel- Engineering Equipment

Wind tunnel is a tool used in aerodynamic research to study the effects of air moving past solid objects.

A wind tunnel consists of a tubular passage with the object under test mounted in the middle.

Air is made to move past the object by a powerful fan system or other means.

The test object, often called a wind tunnel model is instrumented with suitable sensors to measure aerodynamic forces, pressure distribution, or other aerodynamic-related characteristics.

Specification

Type: Open type Wind Tunnel.

Test Section: 300mm x 300mm x 1000 mm. long with two Perspex windows.

Blower Fan: 10 blades /nylon fan.

Motor: 5 HP D.C shunt motor, 1500rpm.

Speed Controller: 3 phase, thyristor controller to give smooth Speed control.

Air Velocity: In test section - 1 to 25 m/sec.

Duct : Manufactured out of ms sheet. Length of Tunnel : 7 meter Approx.

Manometer: 15 tube acrylic manometer with inclination arrangement.

Pitot tube