

Product Name :
Open Wind Tunnel

Product Code :
DM165



Description :

Open Wind Tunnel

Technical Specification :

Open Wind Tunnel

Experiments from the field of aerodynamics and fluid mechanics with an "Eiffel" type wind tunnel

Wide range of accessories,

Transparent, closed measuring section

Inlet contour, nozzle and diffuser made of GRP

Variable-speed fan motor for energy-efficient operation

Flow straightener that reduces turbulence,

Inclined tube manometer for displaying the air velocity

Electronic two-component force sensor for measuring the drag and lift forces

Digital display of drag and lift on the measuring amplifier

Angle display on a scale

Optional: display of measured values for velocity, forces, moment, displacement/angle, and differential pressure using system for data acquisition

Measuring section

Flow cross-section Width x Height: 292x292mm

Length: 420mm

Wind velocity: 3,1-28m/s

Axial fan

Power consumption: 2,2kW

Measuring ranges

Force: lift: $\hat{A}\pm 4N$ drag: $\hat{A}\pm 4N$
Velocity: 3,1 $\hat{A}\in 28m/s$ angle: $\hat{A}\pm 180\hat{A}^\circ$
230V, 50Hz, 1 phase
230V, 60Hz, 1 phase; 230V, 60Hz, 3 phases
Weight: 250-350kg.

Naugralabequipments

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