

Product Name :
Subsonic Wind Tunnel

Product Code :
ENGLABINGCAG3000034



Description :

Subsonic Wind Tunnel

Technical Specification :

The Subsonic Wind Tunnel module is a small wind tunnel designed for bench top operation. Air is drawn through the working section by a variable speed fan at the discharge end of the tunnel. A honeycomb flow straightener is incorporated at the inlet, and a 9.4:1 contraction ratio ensures well-developed airflow through the working section. The working section is fabricated from clear acrylic to give good visibility of the models, and appropriate model connection points are included in the sidewall and roof of the working section. A unique feature of the working section is that its entire base is removable to allow. The insertion of large or complex models such as the Bernoulli Apparatus, Boundary Layer Plate or alternative models constructed by the user.

Computer controlled air flow
150mm (6" nominal) square working section
Transparent working section for visibility
Wide range of models for both aerodynamics and air flow studies
Choice of water or electronic manometer banks
Quick release connectors on manometer tubes and quick release fastenings for easy model changing
Simple flow visualization technique incorporated



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