

DESCRIPTION

Aerodynamic Tunnel of 1200*1200mm, principal characteristics:

- * Adequate size for demonstration tests and teaching.
- * Suitable for three-dimensional models.
- * Test Chamber built with transparent materials.
- * Low operation and maintenance cost.
- * Suitable for smoke visualization test.
- * AC motor-ventilator group, monophasic, with frequency variator.

SPECIFICATIONS

*The Aerodynamic Tunnel of 1200*1200 mm section for testing, with a longitude of 2000 mm is of the Eiffel type, aspirate and of open circuit, and allows us to carry out tests of measuring forces and aerodynamic field on models of structures, constructions, land vehicles and small planes.

* Its power plant, formed by 4 standard type ventilators, of 10 CV of power each one and 900 mm in diameter, has kept the final cost of the product low, while at the same time that assuring a simple and economic maintenance. Nevertheless, this aspect does not prejudice the quality of the vein, of great uniformity and low turbulence level, thanks also to the adequate design of the contraction, neither does it affect the speed that is reached, this being about 36m/s in a vacuum.

*The tunnel is built basically of wood, with a steel support structure, and windows for viewing inside the test chamber. Its wood panels are easily replaceable, if through wear and tear, or for any other motive, its aspect or mechanical capacity should make it necessary. This has the additional advantage of the ease with which new instrumentation can be added, since the corresponding supports and leads and conduit passes are easily made.

*It has a Pitot pipe for measuring the speed of the incident flow. To this instrumentation, a multimanometer or a scanner system for the simultaneous measurement of pressures can be added, as well as a small scale of six components for measuring forces. A smoke generator can also be connected for flow visualization.

OPTIONAL ACCESSORIES

- Support for models with two degrees of freedom.
- External scales of three or six components.
- Data intake through computer.
- Other systems of data intake, anemometry, pressures, etc., on demand.
- Longer testing chamber.

REQUIRED SUPPLIES

Electrical supply: 220-110V/50-60 Hz.

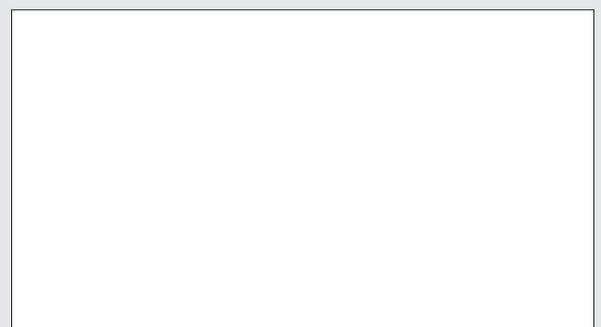
Specifications subject to change without previous notice, due to continuous improvements of the product.



TEACHING EQUIPMENT

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Edition: ED01/96