MP 330C CALIBRATION WIND TUNNEL

Photograph includes optional equipment

GENERAL DESCRIPTION

The wind tunnel is an open circuit down stream fan type designed for anemometer calibration purpose.

The air enters the tunnel via an entrance flare. A flow straightener, three wire mesh screens, and a high contraction ratio section ensure uniform velocity across the transparent test section. The test section is specially designed for various types of anemometer installation. Downstream of the working section is a low angle diffuser which terminates at the tunnel fan. The diffuser and contraction sections have a high quality internal finish to minimize the boundary layer effects. The fan impeller blades are of an aerofoil design cast aluminum to ensure maximum aerodynamic efficiency and minimum turbulence. Fan speed is adjustable by an inverter. The tunnel is mounted on a painted steel table on wheels.

Instruction manual and nylon cover is also included.

CALIBRATION CAPABILITIES

- Pitot tube
- Hot-wire anemometer
- Vane anemometer
- Propeller anemometer
- Cup anemometer

TECHNICAL DATA

• Fan:		
- Type	:	Single stage, axial flow fan
- Impeller	:	Aerofoil aluminum blade
• Motor	:	2.2 kW.
• Air velocity control	:	Inverter
• Contraction area ratio	:	7:1
• Test Section	:	300 mm × 300 mm × 600 mm long, transparent on three sides
• Maximum air velocity	:	0.5 to 30 m/s
• Turbulence intensity	:	Less than 1 %.
• Power supply	:	220 V, 1 Ph, 50 Hz. or other power supply is available on request.

ESSOM CO., LTD. 508 Soi Taksin 22/1 Taksin Rd. Bukkalo Thonburi Bangkok 10600 Thailand
Tel. +66 2476 0034 Fax. +66 2476 1500 E-mail : essom@essom.com, http://www.essom.com

OPTIONAL EQUIPMENT

- MP100-011A Differential pressure digital display
- MP 330C-007 Exhaust silencer with stand
- MP 330C-121 Pitot static probe.
- MP 330C-160 Computer control (Computer not included)
  This includes significant of sensor(s), computer interface and software comprise
  - Sensor for significant parameter (s) including Differential pressure sensors.
  - Data acquisition for differential pressure sensor
  - Software function for acquisition data and control of wind velocity
    The ESSOM software is a multimedia on flash drive with hypertext user interface for Microsoft Windows 11 operating system to provide information on
    . equipment description
    . key in data (fill in the name of tester)
    . control of wind velocity and acquisition data on computer

Net (unpacked) shipping dimensions WxLxH : 110 x 430 x 190 cm.
Net weight : Approx. 500kg

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