

MP 340C SUBSONIC WIND TUNNEL, Downstream Fan For Calibration



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 steel table on wheels.

Instruction manual is also included.

TECHNICAL DATA

- Fan:
 - Impeller : Single stage, aerofoil aluminum blade
- Air velocity control : Inverter
- Contraction area ratio : 7:1
- Test Section : 400 mm × 400 mm × 800 mm long
- Maximum air velocity : Over 30 m/s
- Turbulence intensity : Less than 1 %.
- Power supply : 220 V, 1 Ph, 50 Hz. Or 380V, 3Ph, 50Hz. Other power supply is available on request.

CAPABILITIES CALIBRATE MEASURING INSTRUMENTS

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

OPTIONAL

- MP 340C-007 Exhaust silencer
- MP 340C-160 Computer control (Computer not included) For wind velocity guideline comprises
 - Differential pressure sensor
 - Software for data acquisition and control of wind velocity

Net (unpacked) shipping dimensions W×L×H : 140 × 440 × 150 cm.