VEA 112

Axial fan test unit

DESCRIPTION

- **The axial fan test unit is complete with instrumentation and includes a technical and instruction manual.**
- **The aspiring conduit and the fan can be disconnected from the rest of the unit and set up separately.**
- **The components are easily separated allowing instructors to vary the design of specific projects.**
- **Open circuit**

SUGGESTED APPLICATIONS

- Determining fan characteristics: air velocity, aspiration pressure and force experienced by the propellers.
- Measuring the electric power of the engine ; determining efficiency of the unit.
- Determination of the loss of pressure.
- Use of a column-multimanometer for the pressure measurement.
- Measuring the flow with a Pitot tube.
- Verification of Bernoulli's equation.
- Confirmation of aerodynamic lines.

VEA 112

Frame
Two parts, anodised aluminium structure on wheels.
Connection of equipment by a flexible collar.

Flue
Made up of a convergent tube,
a transparent tube and a diffuser.

Fan
Centrifugal type
Maximum flow volume
Static pressure : 20 mm CE
Rotation velocity : from 0 to 2900 R.P.M
Engine : 2.2 kW
Adjustable exhaust valve

Instruments
A Pitot tube
A multitubes column manometer
Engine power indicator
Engine velocity indicator

UTILITIES

Electricity : 400 Three-phase - 50/60 Hz

DIMENSIONS

Length	: 3700 mm
Width	: 785 mm
Height	: 1300 mm
Weight	: 360 kg