

Centrifugal fan

DESCRIPTION

- This unit is designed for connection to the rotary machines unit – power module TMT 700.
- The equipment is designed and manufactured to industrial standards.
- A quick coupling system and the alignment of the axles makes connection to the TMT 700 easy.



SUGGESTED APPLICATIONS

- ⇒ Operation of a centrifugal fan
- ⇒ Collecting data to construct the performance curves relating
 - pressure to flow rate
 - power to flow rate
 - efficiency to flow rate
- ⇒ Determination of the optimum operating point
- ⇒ Study of the influence of the speed of rotation

SPECIFICATIONS

Centrifugal fan

- Housing and turbine made of plastic Ø 400 mm
- Shutter on the suction line
- Speed of rotation : 0/2000 rpm
- Pressure : 200 mm H₂O
- Flow rate : 1600 m³/h

Instruments

- Diaphragm on the suction line
- Pressure measurement upstream and downstream from the turbine
- Pitot tube and pressure gauge for measurement of flow rate
- Diaphragm on the discharge line