

Product Name :
Experiments with a Radial Fan

Product Code :
POL-FULD0002



Description :

Experiments with a Radial Fan

Technical Specification :

Functioning and operating behaviour of a radial fan
Radial fan with 3-phase AC motor
Variable speed via frequency converter
Transparent intake and delivery pipes
Throttle valve to adjust the air flow in the delivery pipe
Interchanging rotors: 1 rotor with forward curved blades and 1 rotor with backward curved blades
Determination of flow rate
Display of differential pressure, flow rate, speed, electrical power consumption and hydraulic power output, temperature and efficiency
Due to integrated microprocessor-based instrumentation no additional devices with error-prone wiring are required

Technical data
Intake pipe
Inner diameter: 90mm
Length: 430mm
Delivery pipe
Inner diameter: 100mm
Length: 530mm
Radial fan

Power consumption: 110W
Nominal speed: 2800min⁻¹
Max. volumetric flow rate: 480m³/h
Max. pressure difference: 300Pa



Engineering Lab Equipment India