

**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<sup>-1</sup>

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Max. volumetric flow rate: 480m<sup>3</sup>/h  
Max. pressure difference: 300Pa



**Engineering Lab China**