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**Product Name :**  
Centrifugal Fan Demonstration Unit

**Product Code :**  
SCHOOL-FUD810005



**Description :**

Centrifugal Fan Demonstration Unit

**Technical Specification :**

**FEATURES:**

Functioning and operating behavior of a radial fan

Radial fan with 3-phase AC motor

Determination of flow rate via intake nozzle

Display of differential pressure, flow rate, speed, electrical power consumption and hydraulically power output, temperature and efficiency

Variable speed via frequency converter

Transparent intake and delivery pipes

Throttle valve to adjust the air flow in the delivery pipe

Interchangeable rotors: 1 rotor with forward curved blades and 1 rotor with backward curved blades

Display and evaluation of the measured values as well as operation of the unit via software

**SPECIFICATIONS:**

Intake pipe :

Inner diameter: 90mm & Length: 430mm

Delivery pipe :

Inner diameter: 100mm & Length: 530mm

Measuring ranges :

Differential pressure: 0...1800Pa

Flow rate: 0...1000m<sup>3</sup>/h

Temperature: 0...100°C

Speed: 0...3300min<sup>-1</sup>

Electrical Power consumption: 0...250W

Power required: 230V, 50Hz, 1 phase

Radial fan :

Power consumption: 110W

Nominal speed: 2800min<sup>-1</sup>

Max. Volumetric flow rate: 480m<sup>3</sup>/h

Max. Pressure difference: 300Pa

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**School Educational Instruments**

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