

**Product Name :**  
Centrifugal Fan Demonstration Unit

**Product Code :**  
ENGLABINGCAG300005



**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

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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



## Engineering Lab Equipment India