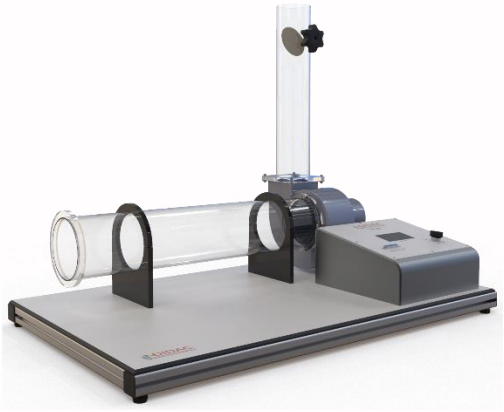
Centrifugal Fan Apparatus (EDC-FM-119)

EXPERIMENTAL DATA:

- Characteristic curve of a centrifugal fan
- Demonstration of flowrate vs pressure
- Effect of fan speed on pressure and flowrate
- Input, Output power and efficiency



DESCRIPTION:

This compact bench-top experimental unit familiarizes students with basic experimental characteristics of a centrifugal fan. It consists of an industrial centrifugal fan along-with pressure and temperature sensors on the inlet and outlet ducts. A controllable louvre allows to change the intake airflow.

Students can read the variable off the built-in display or can connect the unit to a computer (not supplied) for graphical visualization of the variables.

Rotor blade direction can also be reversed to observe the influence of direction of blades on the variables.

TECHNICAL DATA:

- Centrifugal Fan with speed control
- Inlet Duct
  - Diameter: 150mm
  - Length: 700mm
- Outlet Duct
  - Diameter: 100mm
  - Length: 500mm
- Flowrate: Upto 300CFM
- Temperature and Pressure Sensors
- Controllable Louvre

DIMENSIONS AND WEIGHT:

L x W x H (mm): 1100 x 600 x 600

Weight: 25 kg

SCOPE OF DELIVERY:

- 1 x EDC-FM-119
- 1 x USB Cable
- 1 x Instructional Manual