

Two Stage Axial Fan Apparatus (EDC-FM-122)

EXPERIMENTAL DATA:

- Characteristic curve of an axial fan
- Demonstration of flowrate vs pressure
- Effect of fan speed on pressure and flowrate
- Input, Output power and efficiency
- Effect of axial fans in series



DESCRIPTION:

This self-contained experimental unit familiarizes students with basic experimental characteristics of an axial fan and the demonstration of two axial fans in series. It consists of two industrial axial fans 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.

TECHNICAL DATA:

- Centrifugal Fans with speed control
- Inlet Duct
 - Diameter: 300mm
 - Length: 350mm
- Outlet Duct
 - Diameter: 300mm
 - Length: 350mm
- Flowrate: Upto 1900CFM
- Temperature and Pressure Sensors
- Controllable Louvre

DIMENSIONS AND WEIGHT:

L x W x H (mm): 1800 x 400 x 600

Weight: 43 kg

SCOPE OF DELIVERY:

- 1 x EDC-FM-121
- 1 x USB Cable
- 1 x Instructional Manual