

Centrifugal Compressor Demonstration Apparatus (EDC-FM-137)

EXPERIMENTAL DATA:

- Compressor efficiency VS Impeller power efficiency.
- Performance at constant speed.



DESCRIPTION:

Apparatus is a motor driven multi-stage centrifugal compressor, mounted on a frame with transparent air inlet and outlet. Aperture allows the air flow rate to be varied manually. A sensor used to measure air flow rate. Compressor speed is variable.

Optional Software is available for Data Acquisition and Control Function.

SPECIFICATIONS:

- Adjustable aperture.
- Variable fan speed.
- LCD display.
- Transparent Horizontal and vertical duct.
- Temperature sensors.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 900 X 600 X 950 approx.
- Weight: 35 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-FM-137.
- 1 x Instructional Manual.

TECHNICAL DATA:

- Max flow rate: 20 l/s typical.
- Max head: 6 kPa.
- Max fan speed: 3000 RPM.
- Motor power rating: 250 W.
- Air Duct:
 - Vertical: 700mm.
 - Horizontal: 450mm.
- 230V AC 50Hz.

