

**Product Name :**  
Compact Centrifugal Fan Test Set

**Product Code :**  
CHINAELABC3720004



#### **Description :**

Compact Centrifugal Fan Test Set

#### **Technical Specification :**

The unit consists of a small industrial centrifugal fan with a backward blade impeller and a motor on a steel base, an advanced inverter, inlet and outlet ducts, and measuring instruments.  
An interchangeable forward blade impeller is provided for comparison of operating characteristics.

Experiments of Compact Centrifugal Fan Test Set

Flow rate vs pressure.

Fan input, output and overall efficiency.

Effect of speed on fan performance.

Comparison of backward and forward blade impellers.

Technical Data

Fan ratings :

Maximum flow rate : 10 m<sup>3</sup>/min.

Maximum pressure : 0.5 kPa.

Inlet duct : Transparent, with flow straighteners and inlet orifice.

Outlet duct : Transparent, with flow straighteners and damper.

Measuring instruments

Flow measurement : Inlet orifice and inclined water manometer, 0-450 mm x 1 mm graduation, multiple slope.

Differential pressure across fan : Inclined water manometer , 0-450 mm x 1 mm graduation, multiple slope.

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Thermometer and barometer : 1 set.

Accessories : Forward blade impeller and barometer.

Power supply : 220V 1Ph 50Hz. Other power supply is available on request.



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