

**Product Name :**  
Multipurpose Air Duct and Heat Transfer Trainer

**Product Code :**  
NLAB-MECHANICALAB240044



**Description :**

Multipurpose Air Duct and Heat Transfer Trainer

**Technical Specification :**

Air duct for the investigation of the heat transfer in airflows

Use of different heat exchangers in the air duct

Insulated air duct with flow straightener

Radial fan with adjustable flow rate

Pitot tube with inclined tube manometer to measure velocity distribution and pressure loss

Pressure sensor, combined temperature and humidity sensor

Switch cabinet with digital displays

**Technical Data**

Air duct cross-section: 150x300mm

## Fan

power: 900W

max. flow rate: 1680m<sup>3</sup>/h

max. pressure difference 1000Pa

nominal speed: 2840min<sup>-1</sup>

Pitot tube: travel 300mm

Inclined tube manometer: 0...100Pa

## Sensor Measuring Ranges

temperature: 2x 0...50°C

humidity: 2x 100% rel. humidity

pressure: 2x 0...10mbar

# Naugralabequipments

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