

**Product Name :**  
Free and Forced Convection Unit

**Product Code :**  
NLAB-ENGINEERINGLB56007



**Description :**

Free and Forced Convection Unit

**Technical Specification :**

Demonstration of convective heat transfer

Air duct with axial fan

Recording of measured data using electronic sensors

Technical Data

Air duct

Flow cross-section: 120x120mm<sup>2</sup>

Length: 1m

Max. air velocity: 3,0m/s

Max. flow rate: 160m<sup>3</sup>/h

### Heating Elements

Temperature limiting using bimetallic strip at 120°C

Max. heating capacity: 170W

Flat plate surface area: 0,014m<sup>2</sup>

Pipe bundle surface area: 0,098m<sup>2</sup>

Surface area of fins: 0,14m<sup>2</sup>

### Measuring Ranges

1x air velocity: 0...10m/s

Temperature: 2x 0...100°C,

1x 0...200°C (thermocouple)

Power: 0...200W

## Naugralabequipments

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