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**Product Name :**  
Single Stage Air Compressor Test Set Air Cooled

**Product Code :**  
LBNY-0005-1610007



#### **Description :**

The Single Stage Air Compressor Test Set Air Cooled is for studying the single stage reciprocating air compressor characteristics. The air receiver has a safety valve, a drain valve and a discharge valve. The unit is equipped with necessary measuring instruments and is on wheels. An industrial type compressor is driven via a vee-belt by a motor with an advanced inverter.

#### **Experiments:**

Effect of compressor speed.

Compressor characteristics eg. volumetric efficiency, isothermal efficiency, pressure ratio, temperature ratio.

#### **Technical Specification :**

Compressors

Type : Air-cooled, single stage.

Maximum working pressure : 8 kg/cm<sup>2</sup>.

Displacement: 300 ml.

Air receiver: 90 l.

Measuring instruments :

Air flow rate : Inlet orifice plate with air box and inclined water manometer.

Motor input power : Advanced inverter.

Speed : Digital display for compressor.

Input power : Advanced inverter.

Pressure : Pressure gauge at compressor outlet.

Temperatures : Air inlet and outlet.

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Accessory : Barometer.  
Power supply : 220V 1Ph 50 Hz.



**Laboratory Instrument India**