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Product Name :
Two Stage Air Compressor Test Set Air Cooled

Product Code :
LBNY-0005-1610004



Description :

The Two Stage Air Compressor Test Set Air Cooled is for studying the two stage reciprocating air compressor characteristics. Air cooling between the two stages is by finned tubes. 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.

Effect of inter cooling (optional).

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

Air water heat exchanger demonstration (optional).

Technical Specification :

Compressors:

Type : Air cooled, two stage.

Maximum working pressure : 12 kg/cm² .

Air receiver: 90 l or as requested.

Displacement: 300 ml.

Measuring instruments:

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

Speed : Digital display.

Temperatures : Air inlet and outlet of each stage.

Input power : Advanced inverter.

Pressures : Pressure gauges at first stage and second stage outlets.

Motor input power : Advanced inverter.

Accessory: Barometer.

Power supply : 220V 1Ph 50 Hz.



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