

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

**Product Code :**  
CHINAELABC3720003



**Description :**

Two Stage Air Compressor Test Set Air Cooled

**Technical Specification :**

The Two Stage Air Compressor Test Set Air Cooled is for studying the two stage reciprocating air compressor characteristics.

An industrial type compressor is driven via a vee-belt by a motor with an advanced inverter.

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.

Experiments of Two Stage Air Compressor Test Set Air Cooled

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

Effect of compressor speed.

Effect of inter cooling (optional).

Air water heat exchanger demonstration (optional).

Technical Data of Two Stage Air Compressor Test Set Air Cooled

Compressors:

Type : Air cooled, two stage.

Displacement : Approx 300 ml.

Maximum working pressure : 12 kg/cm<sup>2</sup> .

Air receiver : Approx. 90 l or as requested.

Measuring instruments :

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Speed : Digital display.

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

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

Motor input power : Advanced inverter.

Temperatures : Air inlet and outlet of each stage.

Input power : Advanced inverter.

Accessory : Barometer.

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



**Engineering Lab China**