

Product Name :
Single Stage Air Compressor Test Rig**Product Code :**
ALABS-A113-022**Description :****Single Stage Air Compressor Test Rig**

Single Stage Air Compressor Test Rig consists of a single stage reciprocating type air compressor driven by 1 HP motor through a belt. The outlet of the air compressor is connected to reservoir (Tank) and suction is connected to another air tank with a calibrated orifice plate and a water manometer. Below is fitted on one side of this air tank to regulate the flow. Temperature of inlet and outlet of air and pressure at outlet can be measured by thermometer and pressure gauge.

Experiment:

- To calculate the volumetric efficiency
- To calculate isothermal HP
- To calculate compression ratio

Utilities Required:

- Electricity 2kW, 220VAC, Single Phase
- Floor Area 1.5 x 0.75 m
- Tachometer for R.P.M measurement



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