



THE LAB EQUIPMENT

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Product Name :

Two Stage Compressor Test Set

Product Code :

SLE/EA/09



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Description :

- A self-contained mobile two-stage reciprocating air compressor test set to allow investigations into the operation and performance of compressors with a single-stage, two stages and two stages with inter-cooling.
- Electronic drive units independently control both motors.
- Meters show motor electrical power consumption of each motor.
- A close-coupled load cell on each motor measures torque.
- A sensor on each motor measures speed, shown by a digital indicator.
- The product of the torque and speed gives true shaft power.
- All controls and instrumentation are on an easy-to-operate mimic panel.
- This test set has two independently-controlled, motordriven compressors, intercooler and air receiver.
- It works as a single-stage, two-stage or two-stage compressor with intercooler.
- Electric motors and low-maintenance toothed belts drive two twin-cylinder, air-cooled reciprocating compressors.
- To allow students to study different types of air-compressor systems, diverter valves allow air to move in different directions.

These include:

- From the first stage to the receiver.
- Directly to the second stage.
- To the second stage, by means of the integral water-cooled intercooler.
- Independent control of the two compressor speeds allows flexibility to match the two compressors under different conditions.

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