

Product Name :
Multi-Pump Test Rig

Product Code :
TVETHY31007



Description :

Multi-Pump Test Rig

Technical Specification :

A mobile self-contained Multi-Pump Test Rig, containing all the services & instrumentation for determining the characteristic curves of eight different pumps at different speeds.

For Rotodynamic Pumps:-

Pressure head vs flow.

For positive displacement pumps.

Power absorbed vs pressure head.

Flow vs pressure head.

Centrifugal pump and gear pump supplied as standard.

Electronic measurement of flow, pressure head, suction head and motor torque.

Axial pump, flexible impeller pump, turbine pump, diaphragm pump, plunger pump and a second centrifugal pump are all available as accessories.

Control valve incorporated upstream of each pump (except axial pump) to demonstrate the effect of suction loss on performance.

A PC (not supplied) is used to set the required speed of the pump(s) on the test.

A separate mimic diagram for the selected pump(s) on test displays the important measured and calculated variables.

Volumetric efficiency vs pressure head.

Contains five different pump positions (four actives at the same time). Digital readout enables mounting of selected pump.

Pump efficiency vs flow.

Power absorbed vs flow.

Optional volumetric flow measurement system for reciprocating pumps.

Data logging and educational software included.

Series/parallel pump demonstrations can be performed with the second centrifugal pump option.



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