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Product Name :
Mini Axial Flow Impulse Turbine Test Set

Product Code :
LBNY-0005-17200016



Description :

The unit consists of a storage tank on a steel base, a pump, a turbine, a dynamometer, and measuring instruments. The twin nozzles direct water jets to the runner radial blades. Mini Axial Flow Impulse Turbine Test Set is a self contained bench top set for studying the axial flow impulse turbine characteristics under various flow rates and heads.

Experiments:

Power output vs speed for various heads and flow rates.
Torque vs speed at various heads and flow rates.
Racing characteristics.
Efficiency vs speed for a given head and flow rate.

Technical Specification :

Turbine
Construction : Metal runner, twin nozzles and casing with transparent discharge section.
Dynamometer : Mechanical brake absorber.
Maximum power : 25 W.
Pump : 0.55 kW.

Measuring instruments :

Torque : Spring balances.
Pressure : Pressure gauge.
Flow rate : Water meter.

Speed : Portable tachometer.
Power supply : 220 V 1Ph 50 Hz.



Laboratory Instrument India