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Product Name :
Compact Cross Flow Turbine Test Set

Product Code :
LBNY-0005-17200011



Description :

The unit consists of a storage tank, a pump, a turbine, a dynamometer, and measuring instruments. The adjustable nozzle direct a water jet tangentially to the runner. Compact Cross Flow Turbine Test Set is a self contained bench top set for studying the Cross Flow turbine characteristics under various flow rates and heads.

Experiments:

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

Technical Specification :

Turbine :
Stainless steel casing with transparent window.
Construction : Stainless steel runner, and nozzle.
Maximun power : 400 W of brake power.
Dynamometer : Water brake absorber.
Pump : 2.2 kW.
Measuring instruments:
Flow rate and speed : Digital display.
Pressure : Pressure gauge.
Torque : Spring balances.
Power supply : 220V 1Ph 50 Hz.



Laboratory Instrument India