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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**