

**Product Name :**  
Centrifugal pump test rig (A.C motor)

**Product Code :**  
HYDRAULIC0005



## Description :

Centrifugal pump test rig (A.C motor)

## Technical Specification :

The setup is designed to study the performance of centrifugal pump.

Set up consists of a centrifugal pump coupled with electrical motor, supply tank, measuring tank & pipe fittings for closed loop water circulation. Pressure and Vacuum gauges are connected on delivery and suction side of pump for the purpose of measurement.

The flow rate of water is measured using measuring tank and stop watch provided.

Experiments:

To determine overall efficiency and pump efficiency of the centrifugal pump.

To plot Head vs. Discharge, Pump efficiency vs. Discharge.

Features:	
Closed-loop water circulation	
Compact & stand alone set-up	
Stainless Steel tanks and wetted parts	
Superior Painted structure	
Simple to operate & maintain	
Utilities Required:	
Electric supply	
Provides 230 +/- 10 VAC, 50 Hz, single phase electric supply with proper earthing.	
(Optional EarthVoltage: less than 5 VAC) (SA: three pin socket with switch for pump)	
Water supply	Tap water connection, Distilled water (if 60 liter optional)
Technical Details:	
Product	Centrifugal Pump Test Rig
Pump	Capacity: 1 HP Speed: 3000 RPM (max.), Head: 10m/min. (Make Indicator)
Drive	AC: AC motor with step cone pulley arrangement for 3 pre-fixed speed  DC: DC motor with DC drive along with non-contact type digital RPM indicator
Supply Tank	Capacity: 120 Liter, MDC SS
Measuring Tank	Capacity: 75 Liter, MDC SS fitted with Flowmeter Tube & scale
Piping	G1 / PVC
Stop Watch	Electronic
Control Panel	With required electrical instrumentation
Overall Dimensions	



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