



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

Utilities Required

• Electric supply

- Provide 230 +/- 10 VAC, 50 Hz, single phase electric supply with proper earthing. (Neutral & Earth voltage less than 5 VAC.),
- 5A, three pin socket with switch for pump.

• Water supply

- Tap water connection BSP
- Distilled water @ 180 liters (optional)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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