

Product Name :
Francis Turbine Test Rig- 1HP

Product Code :
NLAB-MECHANICALAB220002



Description :

Francis Turbine Test Rig- 1HP

Technical Specification :

DESCRIPTION

The unit consists of Francis Turbine coupled to rope brake dynamometer.

SPECIFICATION

- Francis Turbine Designed to develop 1Kw at 1250 RPM with a flow of 900 LPM at 10 meters supply head, complete with rope brake arrangement, pressure & Vacuum Gauges for conducting experiments.
- Piping system consisting of pipes, valves and fittings complete set suitable for the Francis Turbine Test Rig.
- Supply pump set 5 HP 'Kirloskar' make suitable for supplying water to the above turbine

- Starter suitable for the above motor pump set.
- Flow measuring unit consisting of Venturimeter and mercury manometer.
- Rope brake dynamometer with spring balances.
- Mild steel sump to store sufficient water for experimentation and arranged within the floor space of the main unit and to operate without any concrete foundation.
- A technical manual accompanies the unit.

SERVICES REQUIRED

- 440 V, 32 A, AC supply.
- Floor space of 3m x 3m (approx)
- Tachometer (can be supply at extra cost.)

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