



The Centrifugal Pump Test Rig System (52333) outlines the basics of the operations and principle of working of Gear Pump.

#### Features

- Self-contained unit.
- Modern industrial components are used for operating.
- Comprehensive training manual supplied.
- Optional components are available to allow fault operation and diagnosis training.
- Caster wheel mounted movable frame.

#### Experiments

- Study of characteristics of centrifugal pump.
- Study of testing efficiency of Centrifugal Pump

#### Services Required

- 1 $\phi$  Electric Supply of 230 VAC, 50Hz
- Space required: Approx. 1mtr (L) X 1 mtr (W)

#### Technical Specification

No.	Item Name	Technical Specifications
1	Centrifugal Pump	Centrifugal, 1 / 1/2HP
2	Motor	DC Motor or AC Motor 1 HP 3 $\phi$ 230V AC/415V AC Induction Motor , 1440RPM
3	Sump tank	2.5' (L) X 2' (W) X2' (H)
4	Rotameter	250 to 2500 LPH, , Glass tube type/acrylic body , Bob Material: SS 304 Connection: 1", Mounting: Inlet Bottom- Outlet Top
5	Pressure gauge	i] Suction Pressure: (Vacuum Gauge)-760 to 0 mmHg, ii] Discharge Pressure: 0to4 Kg/cm <sup>2</sup>
6	Drive	DC Drive: with Pot. / Speed Controller to vary speed of DC Motor / AC Drive to operate AC Motor with Input: Single Phase 230V AC, Output: Three Phase 230V AC, with Potentiometer to vary speed/frequency
7	Energy Meter/ Wattmeter	Single phase

Note: Specifications are subject to change.

#### **Tesca Technologies Pvt. Ltd.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tescaglobal.com