



Key Features

- Electrical powered boiler, steam turbine and condenser, all mounted on a mobile frame.
- The boiler's efficiency must be measurable.
- Steam must drive a turbine whose generated power is quantifiable through a dynamometer or an alternator.
- The condenser's efficiency must be measurable.
- Control the power output of turbine by using dynamometer
- Steam turbine power plant must have be able to gather and record the following data:
 1. Electrical power consumption by oiler for feed water
 2. Boiler temperature out
 3. Boiler pressure out
 4. Turbine inlet and outlet pressure
 5. Turbine inlet and outlet temperature
 6. Turbine RPM
 7. Generator current (amps) output
 8. Generator voltage output
 9. Condenser inlet and outlet temperatures
 10. Condenser inlet pressure
- Software capable of capturing and storing the data listed in requirement #6 must be supplied.
- All software/sensors must come calibrated and ready to use.
- Lab equipment must be no bigger then 65"L x 34"W x 60"H inches
- Lab equipment must not weight more than 500 lbs and can easily be moved by 2 people.
- Power: 120 VAC 50/60Hz or 220 VAC single phase 50/60 Hz

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



Export Sales: +91-9829132777
 India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
 Sitapura Extension, Jaipur-302022, India.



info@tesca.in
 www.tescaglobal.com