



MANUFACTURERS – ENGINEERS

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AN ISO 9001 2000 COMPANY

“MOTCO” make Electrical Machine tutor/trainer is nothing but CKD kit for building various types of machines.

It is useful for construction of 23 types of different Electrical Machines.

THE COMPLETE LIST IS PROVIDED BELOW

It is useful in giving student confidence & understanding constructional details & functional characteristics of electrical machines.

“MOTCO” make Machine trainer

Specification of 1HP Electric Machine trainer as below

Electric Machine trainer suitable for demonstrating the construction & working of DC Motor/DC Generator (Shunt, series & compound) with Interpole, Single phase capacitor run motor, 3Phase Induction motor, (Sq. cage & Slipring), AC Alternator (Single/Three Phase), Single phase universal & repulsion motor, AC Synchronous Generator.

Set will be provided with metering panel, power supply panel, for 3Phase & Single phase supply, DC Rectifier panel for DC Motor & DC/AC Single phase variable supply source complete with common base frame & friction bracket dynamometer.

Rating of DC Prime mover will be 1HP, 220V, 3000RPM, & other rating will be according to requirement.

ASSEMBLIES POSSIBLE WITH MACHINE TRAINER/DISSECTIBLE

1) DC MACHINES

- DC Shunt motor without Interpole.
- DC Shunt motor with Interpole.
- DC Series motor without Interpole.
- DC Series motor with Interpole.
- DC Compound motor without Interpole.
- DC Compound motor with Interpole.
- DC Shunt Generator without Interpole.
- DC Shunt Generator with Interpole.
- DC Series Generator without Interpole.
- DC Series Generator with Interpole.
- DC Compound Generator without Interpole.
- DC Compound Generator with Interpole.
- DC Separately excited Generator without Interpole.
- DC Separately excited Generator with Interpole.

2) AC MACHINES (Single Phase)

- Single Phase 4 Pole, Induction motor Capacitor Start/Run.

MACHINE TRAINER/DISSECTIBLE 1

Works: A-16/C-1, Todi udyog nagar, Uttan road, Bhayandar(w), Thane 401101
Maharashtra, INDIA



- Single Phase AC Series motor.
- Single Phase AC Generator Rotating Field
- Single Phase AC Generator Rotating Armature.
- Single Phase Universal motor.

3) AC MACHINES (Three Phase)

- AC 3 Phase Induction motor Squirrel cage type.
- AC 3 Phase Induction motor Slipring type.
- AC 3 Phase Generator Rotating field type.
- AC 3 Phase Generator Rotating Armature type.
- AC 3 Phase Synchronous Generator Rotating field type.

* This is the Basic model, Advanced models are available on request with a wide range of Advanced Machines & Drives.



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