

# DOUBLE VOLTAGE DOUBLE (DVDF) TEST SETUP

## MOTOR GENERATOR UNIT

This test setup is generally used to perform induced voltage test on the transformers. This set up consists of the USED motor and generator combination to develop the required voltage and frequency. Both generating unit and the drive motor are mounted on a common metallic frame.

## GENERATING UNIT

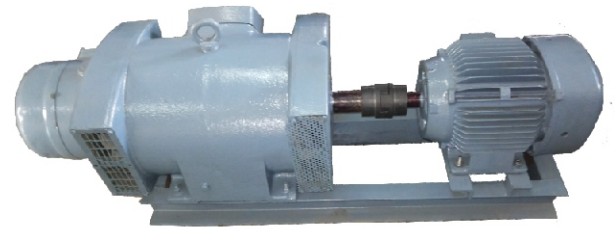
Input : 0 to 415 V three phase, 50 Hz through the dimmer unit.

Output : 50 to 900 V three phase, 100 Hz.

Capacity : Suitable to test the distribution transformers  
Transformers KVA ratings shall be specified by the customer.

The input and output are terminated on the suitable terminals on the unit.

Make : KIRLOSKAR / CROMPTON / AEC / SIEMENS / NGEF (OR EQUIVALENT)



Motor Generator Assembled Unit

## DRIVING UNIT

Input : 415 V three phase, 50 Hz through the DOL /Star Delta starter.

RPM : 1440 OR ANY SUITABLE SPEED (OR EQUIVALENT)

The input supply terminals are terminated on the suitable terminals on the unit.

Make : KIRLOSKAR / CROMPTON / AEC / SIEMENS / NGEF (OR EQUIVALENT)

## CONTROL PANEL UNIT.

This unit is housed in sheet metal wall mounting type, seven tank process powder coated cabinet.  
The control panel consists of the following :

- ❖ A Rotary switch for power ON /OFF.
- ❖ A contactor controlled push button or rotary switch for o/p ON/OFF.
- ❖ 3.5 digit digital ammeter with CT and an ammeter selector switch to indicate the output current 01 No.
- ❖ 3.5 digit digital voltmeter with selector switch to indicate the output voltage 1 No.
- ❖ A digital frequency meter to indicate input or output frequency.
- ❖ A DOL / Star Delta starter suitable for the driving motor will be provided.
- ❖ Push button of ELCOM make to start and stop the driving motor.
- ❖ Input and output indicators will be provided.
- ❖ Fuse Protection in Input and output will be provided.

c) Dimmerstat Unit :

Input : 415 V AC 50 Hz three phase.

Output : 0 470 V AC variable.

Output current : Depending upon kVA Rating of the transformer under test.

### ORDERING INFORMATION

MG XXXXX P D

T T T With Panel Unit With Dimmer Unit

MG Set KVA Rating of transformer under test



Control Panel Unit