GENERATOR SETS AND SYNCHRONISING BOARD

Model Number : GOTT-GSSB-124

DESCRIPTION

This is a typical electrical power generating station complete with synchronizing board but specially adapted for instructional purposes. This system consists of:

- 1 x Synchronizing Switchboard
- 2 x Motor-Generator Sets
- 2 x Prime Mover Control Panel

SPECIFICATION

SYNCHRONISING SWITCHBOARD

This board shall be equipped with the following:

- 2 x Circuit Breaker 20A, TP, c/w under-voltage/ shunt trip coil.
- 2 x Neutral Knife Switch
- 1 x Over Current Relay
- 1 x Earth Fault Relay
- 1 x Electronic Combined IDMT relay
- 2 x Ammeter 0-40A c/w Selector Switch
- 2 x Voltmeter 0-500V c/w Selector Switch
- 2 x Frequency Meter
- 2 x Reverse Power Relay
- 2 x KW Meter
- 2 x Power Factor Meter
- 4 x Synchronizing Switch
- 2 x Synchronizing Lamp
- 1 x Synchronoscope
- 1 x Double Voltmeter
- 1 x Double Frequency Meter
- 1 x Set of Current Transformers for metering and protection.
- 1 x Set of Indicating Lights
- 1 x Heavy Sheet Steel Console

MOTOR GENERATOR SETS

Each set consists of a AC Motor driving an AC Generator. Both machines are mounted on a common base frame.

The machine specifications are as follows:

- AC Induction Motor
  - Rating : 40 HP
  - Speed : 1500 RPM nominal

AC GENERATOR

- Rating : 22KVA
- Speed : 1500 RPM
- Output : 240/415VAC, 3 phase, 50Hz

PRIME MOVER CONTROL PANEL

This panel is a compact floor-mounting sheet-metal console used to operate and control the two AC motors (prime movers).

This unit is equipped with the following:

- 2 x Speed Controller
- 2 x Ammeter 0-60A
- 2 x Voltmeter 0-500V
- 2 x Tachometer 0-2000 rpm
- 6 x Indicating Lights
- 2 x Circuit Breaker 60A TP
- 4 x Pushbuttons
- 1 x Sheet metal console

Manuals:
(1) All manuals are written in English
(2) Model Answer
(3) Teaching Manuals

General Terms:
(1) Accessories will be provided where applicable.
(2) Manuals & Training will be provided where applicable.
(3) Designs & Specifications are subject to change without notice.
(4) We reserve the right to discontinue the manufacturing of any product.

Warranty:

2 Years

ORDERING INFORMATION:

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* Proposed design only, subject to changes without any notice.