

**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 Synchroscope
- 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 :**

ITEM	MODEL NUMBER	CODE
GENERATOR SETS AND SYNCHRONISING BOARD	GOTT-GSSB-124	124-000

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