

SYNCHRONOUS MOTOR / GENERATOR

GENERAL DESCRIPTION

The db-tech, DB-SMG8 is synchronous motor/Generator is an AC motor in which at steady state the rotation of the shaft is synchronized with the frequency of the supply current, the rotation period is exactly equal to an integral number of AC cycles. Synchronous motors contain multiphase AC electromagnets on the stator of the motor that create a magnetic field which rotates in time with the oscillations of the line current.



Specification

Control Board:

- Power: 3Φ AC 220V, 50/60Hz
- DC Voltage Meter: 2 EA
- DC Ampere Meter: 2 EA
- AC Voltage Meter: 1 EA
- AC Ampere Meter: 2 EA
- Frequency Meter: 1 EA
- Synchronous Indicator: 1 EA
- MCCB: 4 EA
- Power Lamp: 1 EA
- Excitation Power: 1 Set
- Speed Detector: 1 Set
- Condenser Type Element: 3 EA
- Digital Speed Meter: 1 EA
- Electric Machine Assembly: 1 Set
- Style: Steel, portable Type

Accessory:

- Experimental Manual: 1 Copy
- Dust Cover: 1 Unit
- Connecting Cord: 1 Unit
- Load Resistor(360Watt) : 1 Set

Synchronous Motor: 1 Set

- Voltage: 3Φ AC 220V, 50/60Hz
- Excitation Voltage: DC 45V
- Ampere: AC 2.6A
- Pole: 4 Pole
- Output: 360Watt(1/2HP)
- Field: Revolving- Field Type
- Style: Semi-enclosed Type

Synchronous Generator: 1 Set

- Voltage: 3Φ AC 220V, 50/60Hz
- Excitation Voltage: DC 45V
- Ampere: AC 2.6A
- Pole: 2 Pole
- Output: 360Watt(1/2HP)
- Field: Revolving- Field Type
- Style: Semi-enclosed Type