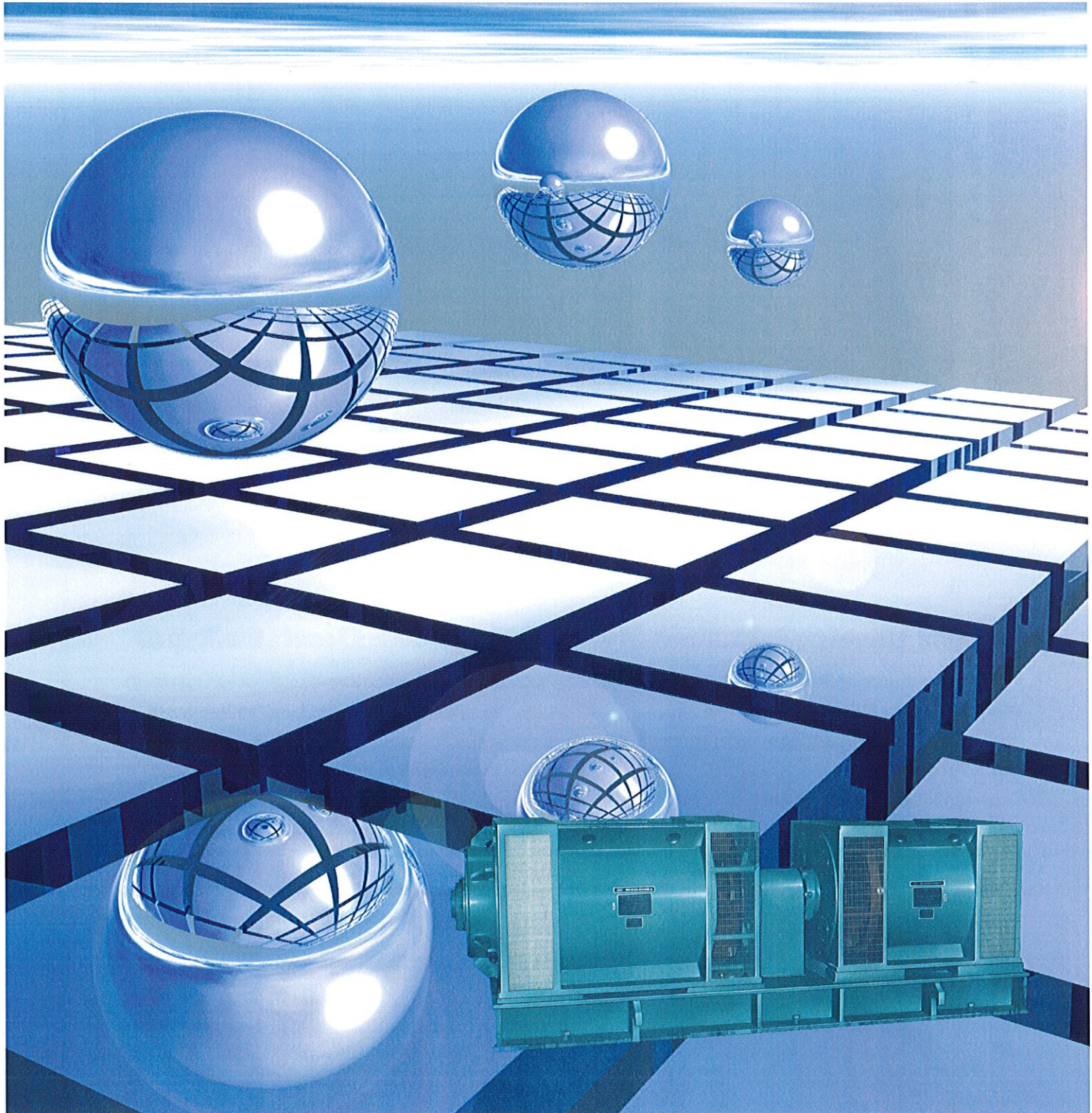


Voltage/Frequency Converter

NISHISHIBA

M-G set

Controlling Voltage and Frequency Freely



NISHISHIBA

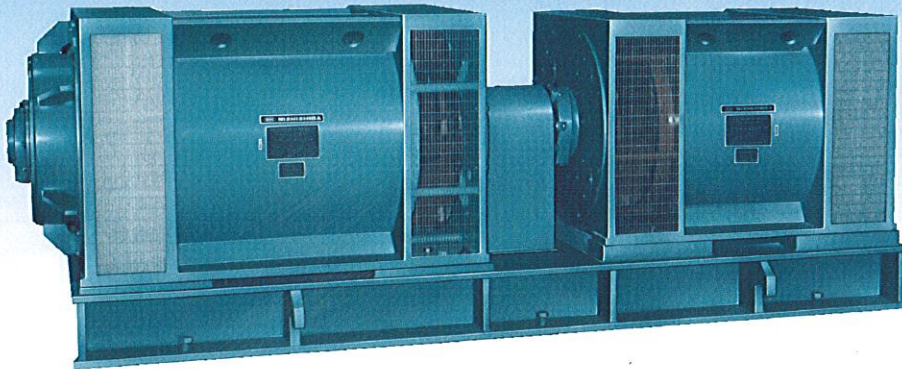
M-G set

Voltage/Frequency Converter

Advanced Equipment supported by High Technology

■ Synchronous Motor - Synchronous Generator M-G Set

- (1) The Synchronous Motor supplies Constant Frequency Power. Voltage is variable.
- (2) Both Motor and Generator are very easy to maintain because of Brushless Type.



● Typical Use of Synchronous Motor - Synchronous Generator Type

- 1. 60Hz Power is necessary in the 50Hz Commercial Power District. (Constant Voltage) Or its reverse case.
(Ex: Power for Vessel mooring or under construction in the 50Hz District)
- 2. Constant Voltage is necessary that is different from Commercial Power Voltage. (Constant Frequency)
(Ex: Testing Power for Motor)
- 3. Wide Range Voltage is necessary. (Constant Frequency)
(Ex: Testing Power for many kind of Motor)
- 4. Combination of Item 1 and Item 2
(Ex: Power for Vessel mooring over seas)

Note) Unless little Frequency Variation does not affect the Test Result, Induction Motor can be applied.

Driving Machine	M-G Set Outline	Starting Method	Control Panel Outline	Control Panel Size (Unit : mm)
Synchronous Motor		Full Voltage Starting		Width : 1700 Height : 2400 Depth : 1600
		Reactor Starting		Width : 2500 Height : 2400 Depth : 1600

* SM: Synchronous Motor SG: Synchronous Generator

★Nishishiba M-G set is the Best Power Supply for the Product Inspection because of the Output Voltage Wave Form is extremely near the Sine Wave compared with the Inverter.

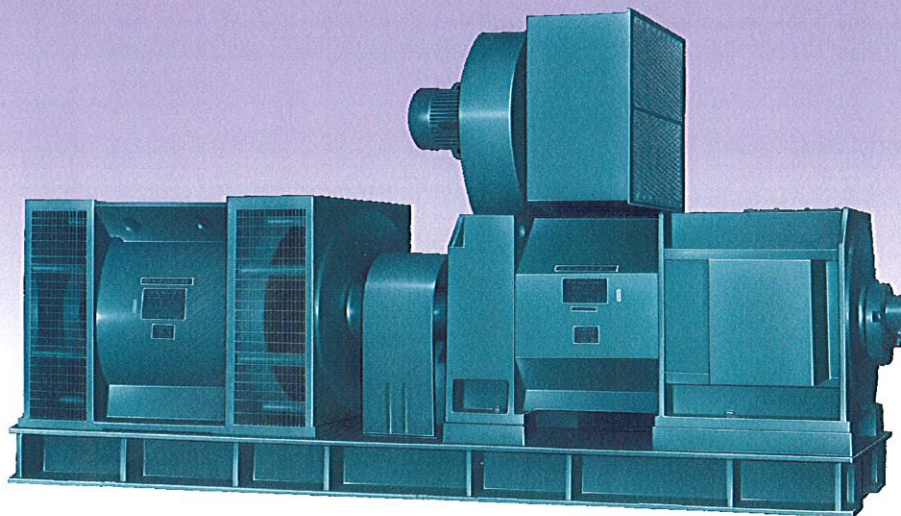
★Nishishiba M-G set is environment friendly because of the Nitrogen Oxide free and the Carbon Dioxide free compared with Engine Generators.

■ Induction Motor - Synchronous Generator M-G Set

(1) Output Frequency is changed freely by the Speed Control for Induction Motor .

Also Voltage is variable.

(2) Both Motor and Generator are very easy to maintain because of Brushless Type.



● Typical Use of Induction Motor - Synchronous Generator Type

1. Constant Frequency Power is necessary that is different from Commercial Power Frequency. (Constant Voltage)
(Ex: Specified Frequency Testing Power)
2. Wide Range Frequency is necessary. (Constant Voltage)
(Ex: Alternative Power Supply to Inverter)
3. Combination of Item 1 and Item 2
(Ex: Testing Power for Motor)

Driving Machine	M-G Set Outline	Starting Method	Control Panel Outline	Control Panel Size (Unit : mm)
Induction Motor		Inverter Starting		Width : 3300 Height : 2400 (+300) Depth : 1600

* IM: Induction Motor SG: Synchronous Generator

