

*Additional range debut!*



## **RELIABILITY AND QUALITY IN POWER GENERATION**

- **Digital diesel generator control lineup**  
Standard: MGS 7310 generator control panel for local/remote control operation  
Option: Diesel generator control system DGICS-MII
- **6-wire re-connectable terminal box**
- **Worldwide distribution systems design, without any modifications**
- **250%–300% sustained short circuit current and reliable voltage build-up with AREP + PMI excitation system**
- **Sealed type RMS sensing type AVR for highly reliable operation**
- **2/3 pitch and class H insulation system with VPI process coat windings**
- **Together with high performance dielectric varnish covered with humid atmosphere condition**
- **Built-in current transformer for measurement, control and protection**

# Rating Chart

## MGS-B

50 Hz, 1500 rpm, With Fan, 380V					
GEN SET MODEL	ENGINE MODEL	Stand-by		Prime	
		Code 5S-	Approved Rating (kVA)	Code 5P-	Approved Rating (kVA)
MGS2700B	S16R2-PTAW	L51V9	2500	L51V9	2250
MGS2500B	S16R-PTAA2	L51L7	2275	L51L7	2020
MGS2000B	S16R-PTA2-S	L51L7	2220	L51L7	2015
MGS1500B	S16R-PTA-S	L51M6	2000	L51M6	1810
MGS1500B	S16R-PTA-S	L50V1	1680	L50V1	1600
MGS1400B	S12R-PTA2-S	L50V1	1600	L50V1	1450
MGS1200B	S12R-PTA-S	L50L8	1500	L50L8	1362.5

60 Hz, 1800 rpm, With Fan, 480V					
GEN SET MODEL	ENGINE MODEL	Stand-by		Prime	
		Code 6S-	Approved Rating (kW)	Code 6P-	Approved Rating (kW)
MGS2500B	S16R-PTAA2	L51M6	2010	L51M6	1810
MGS2000B	S16R-PTA2-S	L51M6	1900	L51M6	1730
MGS1500B	S16R-PTA-S	L51S5	1700	L51S5	1550
MGS1400B	S12R-PTA2-S	L50L8	1420	L50L8	1280
MGS1200B	S12R-PTA-S	L50L7	1260	L50L7	1150

60 Hz, 1800 rpm, With Fan, 380V					
GEN SET MODEL	ENGINE MODEL	Stand-by		Prime	
		Code 6S-	Approved Rating (kW)	Code 6P-	Approved Rating (kW)
MGS2500B	S16R-PTAA2	L51M68	2000	L51M68	1810
MGS2000B	S16R-PTA2-S	L51M68	1900	L51M68	1730
MGS1500B	S16R-PTA-S	L51S58	1700	L51S58	1550
MGS1400B	S12R-PTA2-S	L50V18	1420	L50V18	1280
MGS1200B	S12R-PTA-S	L50L78	1265	L50L78	1145

### Stand-by: Code: S

Applicable for supplying emergency power at varying load in the event of normal utility power interruption. Fuel stop power in accordance with ISO15550, ISO3046/1, JIS8002-1, DIN6271 and BS5514.

### Prime: Code: P

Applicable for supplying emergency power at varying load in the event of normal utility power interruption. +10% overload in accordance with ISO3046/1. Overload power in accordance with ISO15550, ISO3046/1, JIS8002-1, DIN6271 and BS5514.

## MGS-C

50 Hz, 1500 rpm, With Fan, 380V					
GEN SET MODEL	ENGINE MODEL	Prime		Continuous	
		Code 5CP-	Approved Rating (kVA)	Code 5C-	Approved Rating (kVA)
MGS2700C	S16R2-PTAW	L51V9	2150/2250*	L51V9	1900
MGS2500C	S16R-PTAA2	L51L7	2000	-	-
MGS2000C	S16R-PTA2-S	L51L7	1925	-	-
MGS1500C	S16R-PTA-S	L51M6	1735	L51M6	1550
MGS1400C	S12R-PTA2-S	L50V1	1390	-	-
MGS1200C	S12R-PTA-S	L50L8	1287.5	L50L8	1140

60 Hz, 1800 rpm, With Fan, 480V					
GEN SET MODEL	ENGINE MODEL	Prime		Continuous	
		Code 6CP-	Approved Rating (kW)	Code 6C-	Approved Rating (kW)
MGS2500C	S16R-PTAA2	L51M6	1800	-	-
MGS2000C	S16R-PTA2-S	L51M6	1650	-	-
MGS1500C	S16R-PTA-S	L51S5	1470	-	-
MGS1500C	S16R-PTA	-	-	L51S5	1250
MGS1400C	S12R-PTA2-S	L50L8	1220	-	-
MGS1200C	S12R-PTA-S	L50L7	1080	-	-
MGS1200C	S12R-PTA	-	-	L50L7	920

60 Hz, 1800 rpm, With Fan, 380V					
GEN SET MODEL	ENGINE MODEL	Prime		Continuous	
		Code 6CP-	Approved Rating (kW)	Code 6C-	Approved Rating (kW)
MGS2500C	S16R-PTAA2	L51M68	1720	-	-
MGS2000C	S16R-PTA2-S	L51M68	1650	-	-
MGS1500C	S16R-PTA-S	L51S58	1470	-	-
MGS1500C	S16R-PTA	-	-	L51S58	1250
MGS1400C	S12R-PTA2-S	L50V18	1220	-	-
MGS1200C	S12R-PTA-S	L50L78	1080	-	-
MGS1200C	S12R-PTA	-	-	L50L78	920

### \*MGS2700C

Rated output on its name plate: 2,250 kVA  
2,250 kVA under temperature rise H (125°C at 40°C ambient)

### Prime [PRP]: Code: CP

Applicable for supplying power with varying load instead of the utility for an unlimited time. +10% overload is allowed in accordance with ISO3046/1. Prime power in accordance with ISO8528.

### Continuous: Code: C

Applicable for supplying power continuously. Continuous power in accordance with ISO8528, ISO15550, ISO3046/1, JIS8002-1, DIN6271 and BS5514.

### Conditions:

Engine ratings are based on SAE J1349 standard conditions and also apply at ISO3046/1, DIN6271 & BS5514 standard conditions.  
Fuel rates: based on ASTM D975, B52869 and on fuel oil of 35° API (16°C or 60°F) gravity having a LHV of 42,780 kJ/kg (18,390 Btu/lb.) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs./U.S. gal.).

Note: Please consult with your nearest Mitsubishi MGS dealers for overload and additional rating requirements. Specifications and some materials may be changed without notice.



Please read the accompanying instruction manual and all caution labels before operating equipment.

**MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.**

Engine & Energy Division  
Engine Sales Department

3000 Tana, Chuo-ku, Sagami-hara-shi, Kanagawa, 252-5293, Japan  
Phone: 81-42-761-2056 Fax: 81-42-761-8051

**MITSUBISHI HEAVY INDUSTRIES ENGINE SYSTEM ASIA PTE. LTD.**

No. 3, Tuas Avenue 12, Singapore 639024  
Republic of Singapore  
Phone: 65-6862 2202 Fax: 65-6862 5728  
URL: <http://www.mhiesa.com/>

