

**MITSUBISHI GENERATOR SERIES**

# MGS-C

*For Continuous Operation*

Updated



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

- **Extra wide range 12-wire re-connectable terminal box:**  
up to MG-HC6K 950 kVA at 220 V and 50 Hz
- **Digital diesel generator control lineup**  
Standard: MGS 7310 generator control panel for local/remote control operation  
Option: Diesel generator control system DGICS-MII
- **Applied worldwide distribution systems design, without any modifications**  
(Should contact MHI Group, for some of 3-phase 3-wire DELTA connection application)
- **Permanent Magnetic Generator (PMG) excitation system**
- **Sealed type RMS sensing type AVR for highly reliable operation**
- **2/3 pitch and class H insulation system with VPI methods windings**
- **Built-in current transformer for measurement, control and protection for both 400 V and 200 V class applications**
- **Class H Insulation Materials with Class F Temperature Rise Applied**



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

Our Technologies, Your Tomorrow

# Rating Chart

50 Hz, 1500 rpm, With Fan, 380 V					
GEN SET MODEL	ENGINE MODEL	Prime		Continuous	
		Code 5CP-	Approved Rating (kVA)	Code 5C-	Approved Rating (kVA)
MGS2800C	S16R2-PTAW2-S	P80S12	2375	—	—
MGS2700C	S16R2-PTAW	KT84	2187.5/2250*	KT84	1900
MGS2500C	S16R-PTAA2	KT83	2000	—	—
MGS2000C	S16R-PTA2-S	KT83	1935	—	—
MGS1500C	S16R-PTA-S	7PF	1735	7PE	1550
MGS1400C	S12R-PTA2-S	7PD	1390	—	—
MGS1200C	S12R-PTA-S	7PD	1287.5	7PB	1130
MGS1000C	S12H-PTA-S	7PC	1055	H6K	950
MGS1000C	S12H-PTA-S	H6J	900	H6J	900
MGS0900C	S12A2-PTA2-S	H6J	870	H6G	750
MGS0700C	S6R2-PTAA-S	H6H	750	—	—
MGS0650C	S6R2-PTA-S	H6G	665	H5F	550
MGS0600C	S6R-PTA-S	H5F	560	H5E	500
MGS0500C	S6A3-PTAA-S	H5E	500	—	—
MGS0450C	S6A3-PTA-S	H5D	450	H5C	385

\*MGS2700C (5CP-KT84)

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, JISB8002-1 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, BS2869 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: Outputs are based on the following standard conditions

-Ambient temperature: 40 deg.C

-Altitude above sea level: Below 1,000 meters

For alternative voltages, overload requirements, extreme climate conditions, strict emissions requirements or additional rating requirements, please consult with your nearest Mitsubishi MGS dealer. Specifications and some materials may be changed without notice.

60 Hz, 1800 rpm, With Fan, 480 V					
GEN SET MODEL	ENGINE MODEL	Prime		Continuous	
		Code 6CP-	Approved Rating (kW)	Code 6C-	Approved Rating (kW)
MGS2500C	S16R-PTAA2	7PF	1820	—	—
MGS2000C	S16R-PTA2-S	7PE	1650	—	—
MGS1500C	S16R-PTA-S	7PD	1470	—	—
MGS1500C	S16R-PTA	—	—	7PD	1250
MGS1400C	S12R-PTA2-S	7PC	1220	—	—
MGS1200C	S12R-PTA-S	7PB	1080	—	—
MGS1200C	S12R-PTA	—	—	H6J	910
MGS1000C	S12H-PTA-S	H6J	920	H6J	830
MGS0900C	S12A2-PTA2-S	H6H	740	H5F	600
MGS0600C	S6R-PTA-S	H5F	540	—	—
MGS0600C	S6R-PTA	—	—	H5D	460
MGS0500C	S6A3-PTAA-S	K5D	430	—	—
MGS0450C	S6A3-PTA-S	H5C	410	H4F	345

60 Hz, 1800 rpm, With Fan, 380 V					
GEN SET MODEL	ENGINE MODEL	Prime		Continuous	
		Code 6CP-	Approved Rating (kW)	Code 6C-	Approved Rating (kW)
MGS2500C	S16R-PTAA2	73PF	1800	—	—
MGS2000C	S16R-PTA2-S	73PF	1640	—	—
MGS1500C	S16R-PTA-S	73PF	1470	—	—
MGS1500C	S16R-PTA	—	—	73PD	1240
MGS1400C	S12R-PTA2-S	73PD	1220	—	—
MGS1200C	S12R-PTA-S	73PD	1080	—	—
MGS1200C	S12R-PTA	—	—	73PD	920
MGS1000C	S12H-PTA-S	73PD	920	H6K	830
MGS0900C	S12A2-PTA2-S	H6J	740	H6G	580
MGS0600C	S6R-PTA-S	H6G	520	—	—
MGS0600C	S6R-PTA	—	—	H5F	455
MGS0500C	S6A3-PTAA-S	H5E	430	—	—
MGS0450C	S6A3-PTA-S	H5E	410	H5C	345

 MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.

Engine & Energy Division  
Engine Sales Department

3000 Tana, Chuo-ku, Sagamihara-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/>

