

MITSUBISHI DIESEL GENERATOR SET

MGS-C

SERIES

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-M II
- **Applied worldwide distribution systems design, without any modifications**
(Should contact MHI, 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, LTD.

Our Technologies, Your Tomorrow

Rating Chart

50 Hz, 1500 rpm, With Fan, 380 V					
MGS GEN SET MODEL	ENGINE MODEL	Prime		Continuous	
		Code 5CP-	Approved Rating (kVA)	Code 5C-	Approved Rating (kVA)
MGS2700C	S16R2-PTAW	KT84	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	770	H6G	685
MGS0700C	S6R2-PTAA-S	H6H	750	—	—
MGS0650C	S6R2-PTA-S	H6G	665	H5F	550
MGS0500C	S6R-PTA-S	H5F	560	H5E	500
MGS0500C	S6A3-PTAA-S	H5E	500	—	—
MGS0450C	S6A3-PTA-S	H5D	450	H5C	385

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:

Ratings are based on SAE J1349 standard conditions. These ratings also apply at ISO3046/1, DIN6271, and BS5514 standard conditions.

Fuel rates are based on fuel oil of 35° API (16°C or 60°F) gravity having an LHV of 42,780 kJ/kg (18,390 Btu/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.

60 Hz, 1800 rpm, With Fan, 480 V					
MGS 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	620
MGS0500C	S6R-PTA-S	H5F	540	—	—
MGS0500C	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					
MGS 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
MGS0500C	S6R-PTA-S	H6G	520	—	—
MGS0500C	S6R-PTA	—	—	H5F	455
MGS0500C	S6A3-PTAA-S	H5E	430	—	—
MGS0450C	S6A3-PTA-S	H5E	410	H5C	345



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