The preferred worldwide equipment

MITSUBISHI GENERATOR SERIES MGS – the way to serve customers
Best available Products with the best possible value
Best quality Service Support with the sense of urgency
Beyond the customer’s expectation.

Your local Mitsubishi MGS genset dealer can advise you on the right selection of MGS genset for your application, deliver and install the units properly, and provide daily maintenance training, as well as the preventive maintenance on demand, to support higher productivity in economical way. Well trained and experienced professionals strive for excellence in all they do.

Mitsubishi Heavy Industries Engine & Turbocharger, Ltd. serves customers by providing continually improved products. Therefore specifications and some materials may be changed without notice.

Please read the accompanying instruction manual and all caution labels before operating equipment.
RELIABILITY AND QUALITY IN POWER GENERATION

The growing strength of the Mitsubishi Brand name: MITSUBISHI GENERATOR SERIES “MGS”
The core of the MGS-HV genset is now -S typed diesel engines for MGS-HV Power Rating

Standard Specification
- VPI (Vacuum-Pressure Impregnation) with Epoxy resin.
- IEC Class H Insulation generator
- Built-in AVR for 3.3 kV and 4.16 kV generator
- Loose supply AVR for 6.6 kV, 10 kV, 11 kV and 13.8 kV generator
- Degree of Protection: IP-23 for Generator Enclosure
- Degree of Protection: P-44 for Terminal Box

PMG (Permanent Magnet Generator)(Exciters):
- 6 Numbers Pt 100 ohms RTD for Stator
- 1 or 2 Numbers Pt 100 ohms RTD for Bearing(s)
- Three-Phase sensing type AVR with V/Hz control
- Commercial type Space Heater
- Form-Wound Stator and Saient pole Rotor
- 40 deg. C and 1300 m/ASL IEC Standard conditions

MITSUBISHI GENERATOR SERIES

MGS-HV

Rating Definition

<table>
<thead>
<tr>
<th>Rating</th>
<th>Code</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby</td>
<td>S</td>
<td>Applicable for supplying emergency power at varying load in the event of normal utility power interruption. Fuel stop power in accordance with ISO 1550, BO36044/1, JB18860/4, D1967/1 and BS3154.</td>
</tr>
<tr>
<td>Prime</td>
<td>P</td>
<td>Applicable for supplying emergency power at varying load in the event of normal utility power interruption. +15% overload in accordance with SD004/4. Overload power in accordance with BD1550/0, BD001/0, JB18860/1 and BS3154.</td>
</tr>
<tr>
<td>Prime (PM)</td>
<td>CP</td>
<td>Applicable for supplying power with minimal load instead of the utility for an unlimited time. +10% overload is allowed in accordance with SD004/4. Prime power in accordance with SD004/4.</td>
</tr>
<tr>
<td>Continuous</td>
<td>C</td>
<td>Applicable for supplying continuous power. Continuous power in accordance with ISO9286, BD1550, BD001/0, D1967/1 and BS3154.</td>
</tr>
</tbody>
</table>

Conditions
- Engine ratings are based on SAE J5349 standard conditions and also apply to BD1550/0, D1967/1 and BS3154 standard conditions.
- Fuel rates based on ASTM D1675, BS1365 and on fuel of 55° API/15°C or 46°F gravity having a LHV of 42.756kcal/kg (14.390 Btu/lb) when used at 24°C (75°F) and weighing 83.9 g/m³ (0.5 lb/US gallon).