

MGS-CN Series Data

|                                              | Low Voltage series 400V/ 230V 50Hz |             |             |             |             |              |             |             |             |             |               | High (Medium) Voltage series 10.5kV/6.3kV 50Hz |                        |                        |                        |                         | IDC             |                 |
|----------------------------------------------|------------------------------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|---------------|------------------------------------------------|------------------------|------------------------|------------------------|-------------------------|-----------------|-----------------|
| Unit Model                                   | MGS0750-CN                         | MGS0850-CN  | MGS1100-CN  | MGS1400-CN  | MGS1500-CN  | MGS1650-CN   | MGS1900-CN  | MGS2050-CN  | MGS2250-CN  | MGS2700-CN  | MGS2800-CN    | MGS1900HV-CN                                   | MGS2050HV-CN           | MGS2250HV-CN           | MGS2700HV-CN           | MGS2800HV-CN            | MGS2700HV-DC-CN | MGS2800HV-DC-CN |
| Prime Power kW(kVA)                          | 520 (650)                          | 600 (750)   | 800 (1000)  | 1000 (1250) | 1080 (1350) | 1200 (1500)  | 1360 (1700) | 1500 (1875) | 1600 (2000) | 1800 (2250) | 2000 (2500)   | 1380 (1725)                                    | 1500 (1875)            | 1600 (2000)            | 1800 (2250)            | 2000 (2500)             | 1800 (2250)     | 2000 (2500)     |
| Standby Power kW(kVA)                        | 590 (737)                          | 660 (825)   | 880 (1100)  | 1120 (1400) | 1200 (1500) | 1320 (1650)  | 1500 (1875) | 1650 (2062) | 1800 (2250) | 2000 (2500) | 2200 (2750)   | 1520 (1900)                                    | 1650 (2062)            | 1800 (2250)            | 2000 (2500)            | 2200 (2750)             | 2000 (2500)     | 2200 (2750)     |
| Controller Model                             |                                    |             |             |             |             | DSE7320MKII  |             |             |             |             |               |                                                |                        |                        |                        | DSE7320MKII             |                 |                 |
| Alternator Model                             | HCI544F                            | HCI634G     | HCI634J     | S6L1D-H4    | S6L1D-H4    | LSA50.2 VL10 | LSA52.3 S5  | LSA52.3 S6  | LSA52.3 S7  | LSA52.3L9   | LSA52.3UL16   | LSA53.2VL6&LSA52.2XL80                         | LSA53.2VL7&LSA52.2XL80 | LSA53.2VL7&LSA52.2XL80 | LSA53.2XL9 /LSA53.2VL8 | LSA53.2XL11/LSA53.2VL10 | LSA53XL9 IDC    | LSA53XL11 IDC   |
| Engine Model                                 | S6R2-PTA                           | S6R2-PTAA   | S12H-PTA    | S12R-PTA    | S12R-PTA2   | S12R-PTAA2   | S16R-PTA    | S16R-PTA2   | S16R-PTAA2  | S16R2-PTAW  | S16R2-PTAW2-E | S16R-PTA                                       | S16R-PTA2              | S16R-PTAA2             | S16R2-PTAW             | S16R2-PTAW2-E           | S16R2-PTAW      | S16R2-PTAW2-E   |
| Cylinder Quantity / Arrangement              | L6                                 | L6          | V12         | V12         | V12         | V12          | V16         | V16         | V16         | V16         | V16           | V16                                            | V16                    | V16                    | V16                    | V16                     | V16             | V16             |
| Bore (mm)                                    | 170                                | 170         | 150         | 170         | 170         | 170          | 170         | 170         | 170         | 170         | 170           | 170                                            | 170                    | 170                    | 170                    | 170                     | 170             | 170             |
| Stroke (mm)                                  | 220                                | 220         | 175         | 180         | 180         | 180          | 180         | 180         | 180         | 220         | 220           | 180                                            | 180                    | 180                    | 220                    | 220                     | 220             | 220             |
| Compression Ratio                            | 14.0:1                             | 14.0:1      | 14.0:1      | 14.0:1      | 13.5:1      | 13.5:1       | 14.0:1      | 13.5:1      | 14.0:1      | 14.0:1      | 14.0:1        | 14.0:1                                         | 13.5:1                 | 14.0:1                 | 14.0:1                 | 14.0:1                  | 14.0:1          | 14.0:1          |
| Displacement (L)                             | 29.9                               | 29.9        | 37.1        | 49.0        | 49.0        | 49.0         | 65.4        | 65.4        | 65.4        | 79.9        | 79.9          | 65.4                                           | 65.4                   | 65.4                   | 79.9                   | 79.9                    | 79.9            | 79.9            |
| Exhaust Flange Standard                      | JIS 5K 200A                        | JIS 5K 200A | JIS 5K 200A | JIS 5K 300A | JIS 5K 300A | JIS 5K 300A  | JIS 5K 350A | JIS 5K 350A | JIS 5K 350A | JIS 5K 350A | JIS 5K 350A   | JIS 5K 350A                                    | JIS 5K 350A            | JIS 5K 350A            | JIS 5K 350A            | JIS 5K 350A             | JIS 5K 350A     | JIS 5K 350A     |
| Recommended Battery Capacity                 | DC24V 200Ah                        | DC24V 200Ah | DC24V 300Ah | DC24V 400Ah | DC24V 400Ah | DC24V 400Ah  | DC24V 400Ah | DC24V 400Ah | DC24V 400Ah | DC24V 600Ah | DC24V 600Ah   | DC24V 400Ah                                    | DC24V 400Ah            | DC24V 400Ah            | DC24V 600Ah            | DC24V 600Ah             | DC24V 600Ah     | DC24V 600Ah     |
| Fuel Consumption at 100% Rated Load (L/Hr)   | 121                                | 147         | 194         | 235         | 253         | 316          | 346         | 386         | 413         | 448         | 531           | 352                                            | 386                    | 413                    | 448                    | 531                     | 448             | 531             |
| Lubricating Oil Capacity (L)                 | 94                                 | 94          | 200         | 180         | 180         | 180          | 230         | 230         | 230         | 290         | 290           | 230                                            | 230                    | 230                    | 290                    | 290                     | 290             | 290             |
| Cooling Water Capacity (Incl. Radiator) (L)  | 205                                | 258         | 230         | 391         | 391         | 391          | 325         | 320         | 450         | 720         | 750           | 325                                            | 320                    | 450                    | 720                    | 750                     | 720             | 750             |
| Cooling Water / Intercooler Flow (L/min)     | 670                                | 670         | 1200        | 1650        | 1650        | 1650         | 1650        | 1650        | 1650        | 1650/920    | 1650/920      | 1650                                           | 1650                   | 1650                   | 1650/920               | 1650/920                | 1650/920        | 1650/920        |
| Cooling Air Flow (Fan) (m³/min)              | 720                                | 720         | 1800        | 1800        | 1800        | 1800         | 1950        | 2040        | 2500        | 2760        | 3793          | 1950                                           | 2040                   | 2500                   | 2760                   | 3793                    | 2760            | 3793            |
| Combustion Air Flow at Prime Power (m³ /min) | 47                                 | 61          | 76          | 89          | 96          | 118          | 117         | 146         | 152         | 168         | 191           | 117                                            | 146                    | 152                    | 168                    | 191                     | 168             | 191             |
| Exhaust Gas Flow at Prime Power (m³/min)     | 125                                | 163         | 201         | 235         | 253         | 312          | 309         | 343         | 403         | 445         | 506           | 309                                            | 343                    | 403                    | 445                    | 506                     | 445             | 506             |
| Max. Exhaust Gas Temperature (°C)            | 500                                | 520         | 520         | 520         | 520         | 520          | 520         | 520         | 520         | 520         | 510           | 520                                            | 520                    | 520                    | 520                    | 510                     | 520             | 510             |
| Max. Allowable Exhaust Back Pressure (kPa)   | 6                                  | 6           | 6           | 6           | 6           | 6            | 6           | 6           | 6           | 6           | 6             | 6                                              | 6                      | 6                      | 6                      | 6                       | 6               | 6               |
| Overall Length (mm)                          | 3660                               | 4060        | 4189        | 4930        | 4420        | 4802         | 5148        | 5154        | 5484        | 6161        | 7068          | 6001&5800                                      | 5954&5871              | 6100&5900              | 7165&6886              | 7552&7349               | 6940            | 7552            |
| Width (mm)                                   | 1867                               | 1830        | 1897        | 2040        | 2040        | 2192         | 2393        | 2368        | 2210        | 2830        | 3004          | 2393                                           | 2386                   | 2192                   | 2830                   | 3004                    | 2830            | 3004            |
| Height (mm)                                  | 1974                               | 2109        | 2389        | 2317        | 2317        | 3022         | 2609        | 3045        | 3399        | 3178        | 3094          | 2590                                           | 3045                   | 3399                   | 3178                   | 3178                    | 3178            | 3178            |
| Unit Net Weight (kg)                         | 5400                               | 5700        | 8400        | 9840        | 9300        | 11900        | 13000       | 13640       | 13450       | 17200       | 18700         | 15545&15400                                    | 15500&15250            | 15955&15800            | 19000&18000            | 19500&19450             | 18300           | 19000           |

\*技术参数如有变更，恕不另行通知

Power Definition and Manufacturing Standards

Standby Power:

Maximum power available within a sequence of variable power loads when the mains supply fails. The annual operating time shall not exceed 200 hours. Overload operation is not permitted.

Prime Power:

Maximum power available for supplying variable loads for an unlimited number of operating hours per year. A 10% overload is permitted for 1 hour within every 12 hours of operation.

Manufacturing Standard:

ISO 8528