

# SPECIFICATION TABLE

## (200kVA - 300kVA CLASS SOUNDPROOF TYPE)

|   |            | DCA-220SPK3                              |          | DCA-220ESK  |          | DCA-300SPK3          |          | DCA-300ESK            |          |
|---|------------|--|----------|---|----------|----------------------|----------|-----------------------|----------|
| <b>ALTERNATOR</b>                           |            |  |          |   |          |                      |          |                       |          |
| Frequency                                   | Hz         | 50                                       | 60       | 50  | 60       | 50                   | 60       | 50                    | 60       |
| Output Rating (kVA)                         | Continuous | 200                                      | 220      | 200   | 220      | 270                  | 300      | 270                   | 300      |
|   | Standby    | 220                                      | 242      | 220   | 242      | 297                  | 330      | 297                   | 330      |
| No. of Phases                               |            | 3-Phase,4-Wire                           |          |   |          |                      |          |                       |          |
| Rated Voltage*1                             |            | (2) Dual Voltage                         |          |   |          |                      |          |                       |          |
| Power Factor                                |            | 0.8(Lagging)                             |          |   |          |                      |          |                       |          |
| Voltage Regulation %                        |            | Within ±0.5                              |          |   |          |                      |          |                       |          |
| Excitation                                  |            | Brushless,Rotating Exciter (With A.V.R.) |          |   |          |                      |          |                       |          |
| Insulation                                  |            | Class F                                  |          |   |          |                      |          |                       |          |
| <b>ENGINE</b>                               |            |  |          |   |          |                      |          |                       |          |
| Maker & Model                               |            | Komatsu S6D125E-2-A                      |          | Komatsu SAA6D125E-2-B                               |          | Komatsu SA6D125E-2-A |          | Komatsu SAA6D125E-2-B |          |
| Type  |            | Inlined,Direct Injected, Turbocharged    |          | Inlined, Direct Injected, Turbocharged, Aftercooled |          |                      |          |                       |          |
| Output Rating                               | PS/rpm     | 242/1500                                 | 277/1800 | 242/1500  | 277/1800 | 316/1500             | 350/1800 | 316/1500              | 350/1800 |
|   | kW/rpm     | 178/1500                                 | 204/1800 | 178/1500  | 204/1800 | 232/1500             | 257/1800 | 232/1500              | 257/1800 |
| No.of Cylinders-Bore x Stroke mm            |            | 6-125×150                                |          |   |          |                      |          |                       |          |
| Piston Displacement L                       |            | 11.040                                   |          |   |          |                      |          |                       |          |
| FUEL  |            | ASTM No. 2 Diesel Fuel or Equivalent     |          |   |          |                      |          |                       |          |
| Fuel Consumption*2 L/h                      |            | 31.5                                     | 35.7     | 32.9  | 37.7     | 43.6                 | 50.0     | 39.0                  | 47.0     |
| Lube Oil Sump Capacity L                    |            | 42                                       |          | 42  |          | 62                   |          | 62                    |          |
| Coolant Capacity L                          |            | 43.3                                     |          | 43.3  |          | 44.3                 |          | 50.8                  |          |
| Battery x Quantity                          |            | 145G51×2 or 155G51×2                     |          |   |          | 145G51×2 or 155G51×2 |          |                       |          |
| Fuel Tank Capacity L                        |            | 380                                      |          |   |          | 490                  |          |                       |          |
| Engine Emissions                            |            | Stage I(Japanese)                        |          | Stage II(Japanese)                                  |          | Stage I(Japanese)    |          | Stage II(Japanese)    |          |
| <b>UNIT</b>                                 |            |  |          |   |          |                      |          |                       |          |
| Dimensions                                  | Length     | mm                                       | 3650     |   | 3700     |                      | 3750     |                       | 4000     |
|   | Width      | mm                                       | 1300     |   | 1300     |                      | 1400     |                       | 1400     |
|   | Height     | mm                                       | 1750     |   | 1750     |                      | 1800     |                       | 1800     |
| Dry Weight                                  |            | kg                                       | 3680     |   | 3790     |                      | 4170     |                       | 4360     |
| <b>SOUND LEVEL</b>                          |            |  |          |   |          |                      |          |                       |          |
| 7m dB(A) 1500/1800rpm(min <sup>-1</sup> )*3 |            | 63                                       | 65       | 65  | 67       | 70                   | 73       | 66                    | 69       |

\*1 Rated Voltage Classification

| Frequency | (2)        |            |
|-----------|------------|------------|
| 50Hz      | 190 - 220V | 380 - 440V |
| 60Hz      | 190 - 240V | 380 - 480V |

\*2 Fuel consumption is based on operation at 75% load.

\*3 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source.

\*4 Depending on location and area,output voltage may differ from values listed in catalog.



DCA-220SPK3



DCA-220ESK



DCA-300SPK3



DCA-300ESK