

# 200kVA Generator

## Model: GX222F



### Generator Set Data

|   | 50Hz     | 60Hz     |                           | 50Hz                  | 60Hz               |
|---|----------|----------|---------------------------|-----------------------|--------------------|
| VOLTAGE (V)   | 400/230V | 480/277V | POWER FACTOR              | cos φ 0,8             | cos φ 0,8          |
| RPM   | 1500     | 1800     | FUEL CONSUMPTION @ 70%    | 29.9 L/H              | 34 L/H             |
| PRIME RATING  | 200 kVA  | 228 kVA  | BUNDED DAY TANK           | 270L                  |                    |
|   | 160 kwe  | 182 kwe  | DIMENSIONS                | 3000mm (L)            |                    |
|   |          |          |                           | 1400mm (W)            |                    |
|   |          |          |                           | 2000mm (H)            |                    |
| Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capacity is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS5514.                                  |          |          | WEIGHT                    | 2600Kg (Without Fuel) | 2935Kg (With Fuel) |
| STANDBY RATING  | 220 kVA  | 250 kVA  | MAXIMUM OPERATING AMBIENT | 40°C                  |                    |
|   | 176 kwe  | 200 kwe  | SOUND LEVEL               | @ 100% load           |                    |
|   |          |          |                           | 78 dBa @1m            |                    |
| Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS5514. |          |          |                           | 68 dBa @7m            |                    |
| CONTINUOUS RATING   | 200 kVA  | 228 kVA  | LIFTING ARRANGEMENTS      |                       |                    |
|   | 160 kwe  | 182 kwe  | Single Point Lift         | Y                     |                    |
| Applicable for supplying power continuously to a constant electric load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.   |          |          | Fork Pockets              | Y                     |                    |

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### Engine

|                  |                      |         |
|------------------|----------------------|---------|
|                  | 1500rpm              | 1800rpm |
| MODEL            | IVECO NEF67TE 2A     |         |
| MAX POWER @ 50HZ | 175 KWm              | 195 KWm |
| ASPIRATION       | TURBO                |         |
| COOLING SYSTEM   | WATER                |         |
| SPEED GOVERNOR   | ELECTRONIC           |         |
| CYLINDERS NUMBER | 6                    |         |
| DISPLACEMENT     | 6700 cm <sup>3</sup> |         |

### Alternator

|                       |                       |         |
|-----------------------|-----------------------|---------|
|                       | 1500rpm               | 1800rpm |
| MODEL                 | MECC ALTE ECO38-25N/4 |         |
| MAXIMUM POWER @ 50HZ  | 200 kVA               | 240kVA  |
| MAX EFFICIENCY        | 93 %                  | 94 %    |
| EXCITER               | SELF EXCITED          |         |
| WIRES                 | 12                    |         |
| SHORT-CIRCUIT CURRENT | 300%                  | 350%    |
| POLES                 | 4                     |         |
| INSULATION            | CLASS H               |         |
| VOLTAGE REGULATION    | ± 1%                  |         |
| PHASES                | 3+ N                  |         |
| PROTECTION            | IP 21                 |         |
| AVR                   | DSR                   |         |

### Control System

|                                 |                |
|---------------------------------|----------------|
| MODEL                           | DEEP SEA 8610  |
| CONTROL FUNCTIONS               |                |
| Manual Start                    | Y              |
| Auto Start                      | Y              |
| Set to Set Paralleling          | Y              |
| Utility Paralleling             | N              |
| AUXILIARY SUPPLY                |                |
| Voltage                         | 230V 1Ø        |
| Via Connection Type             | 16A C FORM     |
| Battery Charger                 | Y              |
| Coolant Heater                  | Y              |
| Enclosure Lighting ac           | N              |
| OUTPUT CIRCUIT BREAKER          |                |
| Make                            | SCHNEIDER      |
| Model                           | NS400          |
| Current Rating                  | 400 Amp        |
| Motorised                       | Y              |
| Trip Type                       | Micrologic 2.0 |
| Bus Bars                        | Y              |
| 125A C Form 3 Phase Sockets     | N              |
| 63A C Form 3 Phase Sockets      | N              |
| 63A C Form single Phase Sockets | N              |
| 32A C Single Phase Sockets      | N              |
| 16A C Single Phase Sockets      | N              |
| Road Towable Option             | N              |



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