

500kVA Generator

Model: GX552PE



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 TANK CAPACITY | 1000 Litres | |
| PRIME RATING | 500 kVA | 510 kVA | FUEL CONSUMPTION @ 80% | 76.1 L/H | 84.1 L/H |
| | 400 kwe | 408 kwe | DIMENSIONS | 4850mm (L) | |
| | | | | 2000mm (W) | |
| | | | | 2300mm (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 | 5960Kg (Without Fuel) | |
| STANDBY RATING | 550 kVA | 560 kVA | | 6860Kg (With Fuel) | |
| | 440 kwe | 448 kwe | MAXIMUM OPERATING AMBIENT | 40°C | |
| kwe | | | SOUND LEVEL | @ 100% load | |
| 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. | | | | 80 dBa @1m | |
| CONTINUOUS RATING | 500 kVA | 510 kVA | | 70 dBa @7m | |
| | 400 kwe | 408 kwe | LIFTING ARRANGEMENTS | | |
| 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. | | | Single Point Lift | Y | |
| | | | Fork Pockets | Y | |

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Engine

| | | |
|------------------|------------------------|---------|
| | 1500rpm | 1800rpm |
| MODEL | PERKINS 2506C E 15TAG2 | |
| CONTINUOUS POWER | 435 KWm | 435 KWm |
| ASPIRATION | TURBO | |
| COOLING SYSTEM | WATER | |
| SPEED GOVERNOR | ELECTRONIC | |
| CYLINDERS NUMBER | 6 | |
| DISPLACEMENT | 15000 cm ³ | |

Alternator

| | | |
|-------------------------------|----------------------|---------|
| | 1500rpm | 1800rpm |
| MODEL | MECC ALTE ECO40-3S/4 | |
| CONTINUOUS POWER RATING @40°C | 500kVA | 580kVA |
| MAX EFFICIENCY | 95 % | 96 % |
| 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 | DER1 | |

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 | | NS800 |
| Current Rating | | 800 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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