

# MP-250D-60

## General Features

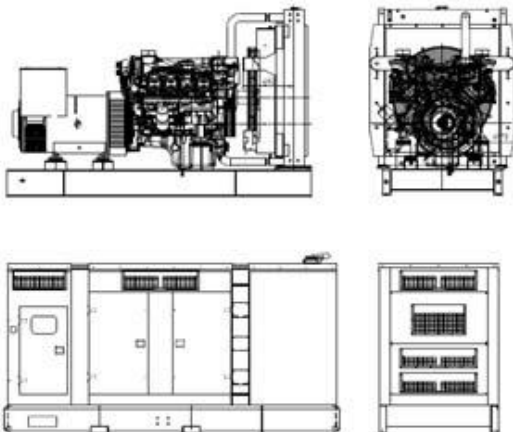
- Engine (DOOSAN P086TI), Radiator 40°C max, belt driven fans, with safety guard
- 24V charge alternator
- Alternator (Stamford, Leroy Somer & Mecc Alte for option), single bearing alternator IP23, insulation class H/H
- Skid and vibration isolators
- Dry type air filter, fuel filter, oil filter
- Main line circuit breaker
- Standard control panel
- Two 12V batteries, rack and cable
- Ripple flex exhaust pipe, exhaust siphon, flange, industrial muffler

PHOTO FOR REFERENCE ONLY



## Technical Data

|                            |              |
|----------------------------|--------------|
| Output Frequency           | 60 Hz        |
| Rated Speed                | 1800RPM      |
| Prime Power                | 225KVA/180KW |
| Standby Power              | 250KVA/200KW |
| Rated Voltage              | 440/254V     |
| Phase                      | 3            |
| Power Factor               | 0.8          |
| Fuel Consumption 100% Load | 50.6L/Hr     |
| Fuel Consumption 75% Load  | 37.7L/Hr     |
| Fuel Consumption 50% Load  | 25.1L/Hr     |
| Operation Altitude         | ≤1000m       |
| Ambient Temperature        | ≤40°C        |



## Dimension and Weight

| Genset Type       | Open Frame | Soundproof |
|-------------------|------------|------------|
| Length(L) (mm)    | 2600       | 3600       |
| Width(W) (mm)     | 1000       | 1200       |
| Height(H) (mm)    | 1750       | 2050       |
| Gross Weight (kg) | 1750       | 2550       |

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**MP-250D-60**

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**Engine Specification**

|                                  |                         |
|----------------------------------|-------------------------|
| Manufacturer / Model:            | DOOSAN P086TI, 4-cycle  |
| Air Intake System:               | Turbo, Air/Air cooling  |
| Fuel System:                     | BOSCH P type fuel pump  |
| Cylinder Arrangement:            | 6 in line               |
| Displacement:                    | 8.071L                  |
| Bore and Stroke:                 | 111*139(mm)             |
| Compression Ratio:               | 16.4:1                  |
| Rated RPM:                       | 1800rpm                 |
| Max. Standby Power at Rated RPM: | 223KW                   |
| Governor Type:                   | Electronic              |
| Exhaust Gas Flow:                | 38.8m <sup>3</sup> /min |
| Exhaust Temperature:             | 530°C                   |
| Max Back Pressure:               | 6kPa                    |
| Max Intake Restriction:          | 6.35kPa                 |
| Intake Air Flow:                 | 16.8m <sup>3</sup> /min |
| Cooling Fan Air Flow:            | 534m <sup>3</sup> /min  |
| Total Oil Capacity:              | 15.5L                   |
| Oil Consumption:                 | ≤0.5% Fuel Consumption  |
| Total Coolant Capacity:          | 48.5L                   |
| Max Water Temperature:           | 103°C                   |

**Alternator Specification**

|                                      |  |
|--------------------------------------|--|
| Manufacturer / Model:                | STAMFORD UCI 274H1                       |
| Number of Phase:                     | 3  |
| Connecting Type:                     | 3 Phase and 4 Wires, "Y" type connecting |
| Number of Bearing:                   | 1  |
| Protection Grade:                    | IP23                                     |
| Exciter Type:                        | Brushless, self-exciting                 |
| Insulation Class, Temperature Rise:  | H/H                                      |
| Telephone Interference Factor (TIF): | < 50                                     |
| THF:                                 | < 2%                                     |
| Voltage Regulation, Steady State:    | ≤ ± 1%                                   |
| Alternator Capacity:                 | 245KVA                                   |
| Alternator Efficiencies:             | 93.2%                                    |
| Air Cooling Flow:                    | 0.617m <sup>3</sup> /s                   |

# MP-250D-60

## Control System

### Standard Deepsea DSE6020 Auto Control Panel

- Manual or Auto Start Module for single genset applications. Designed to work with electronic and non-electronic engines, providing advanced engine monitoring and protection features.
- Includes a back-lit icon LCD display which shows the status of the engine at all times. Monitors engine speed, frequency, voltage and run hours and also displays the warning and shutdown status.
- Includes extensive outputs and inputs making this product ideal for a wide variety of applications. It can either be programmed using the front panel or by using DSE PC software.



### Optional Deepsea DSE7320 Auto Mains Failure Control Panel

- Auto Mains (Utility) Failure Control Module suitable for a wide variety of single genset applications.
- Displays warnings, shutdown and engine status info on the back-lit LCD screen, illuminated LEDs, remote PC. Monitors the mains (utility) supply. Includes USB, RS232 and RS485 ports for system expansion.
- Compatible with electronic and non-electronic engines and offer flexible inputs, outputs and engine protections to meet extensive industry requirements.
- Includes enhanced event and performance monitoring, remote communications to reduce engine wear. It can either be programmed using the front panel or by using DSE PC software.



### Optional Deepsea DSE8610 Auto Paralleling Control Panel

- Synchronizing Auto Start Control Module for multi-gensetloadshare system, designed to synchronize up to 32 gensets including electronic andnon-electronic engines.
- Monitors the genset and indicates operationalstatus and fault conditions, automatically starting or stopping the engine on load demand or fault condition.
- System alarms are annunciated on the LCD screen, illuminated LED and audible sounder.
- Records 250 eventslogformaintenance. Extensive monitoring, metering andprotection features are included as well as comprehensive communication and system expansion options.
- Using DSE PC Software allows alteration of the operational sequences, timers, alarms with all communication ports active.



## MP-250D-60

### Options

#### Engine

- Water Jacket Preheater
- Water Separator
- Oil Pump
- Oil Preheater
- Battery Charger

#### Fuel System

- Daily Fuel Tank
- External Fuel Tank
- Auto Fuel Filling System
- Fuel Level Sensor

#### Control System

- Auto Remote Control Panel
- AMF Function Control Panel
- Auto Paralleling Control Panel
- Auto Transfer Switch (ATS)
- ABB breaker

#### Alternator

- Anti Condensation Heater
- Permanent Magnet Generator
- Winding Temp Sensor

#### Enclosure

- Rainproof Type
- Soundproof Rental Type
- Mobile Type

#### Available Voltages

- 440/254V
- 415/240V
- 380/220V

### Reference Standards

**Generator Set:** ISO 8528, CE

**Engine:** ISO 3046, BS 5514, DIN 6271

**Alternator:** BS EN 60034, IEC34, BS5000, NEMA MG1-32, VDE 0530, CSA C22.2-100, AS1359

### Warranty

Mega Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: A. 15 months, counted on the day Mega sold to the first buyer; B. One year after installation; C. 1000 running hours (accumulated); subject to the earlier one.

Service and spare parts are available from Mega Power or distributors in your location.