

Diesel Generator Set KOFO 250kVA

General Features

All qualified generator sets are subjected to a comprehensive performance test which includes 50% load, 75% load, 100% load, 110% load and to check, verify that all control systems, alarm and shut-down protection.

Equipped with battery charger and 24V high Performance maintenance-free lead-acid starting batteries and connecting cables.

Equipped with industrial silencer and flexible exhaust hose.

Equipped with 8-hours operation base fuel tank.

Equipped with CHINT MCCB circuit breaker.

Designed to Comply with ISO8528/GB2820.



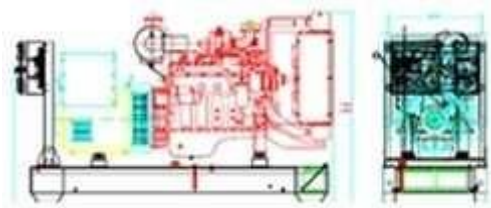
Advantages

Stability, reliability and easy-service

Low operating and maintenance cost

Widely used, location to meet customer needs

Easy-installation, easy-operation and maintenance



Dimension and Weight

Length (L)	mm	3980
Width (W)	mm	1150
Height (H)	mm	1950
Weight	kg	2700

Environment Condition

Environment temperature	°C	≤50
Relative humidity	%	≤90

Altitude	m	≤1500
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Genset Technical Data

Model	BK-250
Prime power	250 kVA
Standby power	275 kVA
Rated speed	1500 RPM
Output frequency	50 Hz
Phase	3
Rated voltage (03pha)	220/380 V
Engine model	6126A-260DE
Alternator model	STG274K
Voltage regulation rate	≤±0.5%
Random voltage variation	≤±1%
Frequency regulation rate	≤±5%
Random frequency variation	≤±0.5%

Prime Power

This rating is for the supply of continuous electrical power (at variable load). There is no limit on the annual hours of operation and 10% overload power can be supplied for 1 hour in 12.

Standby power

This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

Rated voltage

Available with customer requirements.

Engine Specifications

Model	6126A-260DE
Rated output (kw)	260
Governing method	Electrical
Type	4 stroke, Cylinder in-line, Diesel
Bore x Stroke(mm)	126*135
Intaking method	Turbo
Oil volume(L)	39
Fuel Consumption(L/H) full 100% Load	47
Displacement(L)	10.09
Exhaust Temperature(°C)	536
Water volume(L)	29
Cooling System	Closed water cooled, Combined with fan
Air filter	Dry type, with filter inside
Starting Method	D.C.12V or 24V Electric starting

Alternator Specifications

Alternator model	STG274K
Name brand	Stamford
Exciter type	Brushless, Self-excited
Rated output prime power	250kVA
Rated speed	1500 RPM
Rated frequency	50 Hz
Phase	3
Rated voltage	220/380 V (Available with customer requirements)
Power factor	0.8
Voltage adjust range	≥5%
Voltage regulation NL-FL	±0.5%
Insulation grade	H
Protection grade	IP23

Alternator option: Leroy Somer

Control System



All gensets have a control cubicle (the MEBAY control module DC52D as standard) mounted on a isolated support. It is digital control panel, LCD screen.

DC52D is new integrated controller for Gen-sets operating. It meets all possible requirements for AMF applications, including modem control, user configuration and full Gen-set monitoring and protection : Display warning and automatically stop the machine: Low pressure, cooling water temperature, engine speed, hours of operation, number of starts, super high pressure, overload, over/under speed... save the most recent error.

Built-in ATS function (control): Has the function of recognizing grid problems, controlling ATS, with ATS connection port:

- Charging system: From generator
- Operation indicator light: Yes
- AC power cut-off switch: Yes
- Emergency stop button: Yes
- Pre-set cycle operation
- There is a backup start mode (manual start) when the controller has a problem/damage
- Check the oil pressure before outputting the restart signal
- Automatically start when there is an alarm signal that the battery pack of the BTS station is low

The controllers are equipped with a powerful graphic display. Icons, symbols and bar graphs for intuitive operation together with high functionality set new standards in Gen-set control. Special low temperature (IL-AMF 20-LT or IL-AMF 25-LT) version is also available, allowing the display to work up to -30°C.

Features:

- a. Support of engines equipped with Electronic Control Unit (J1939 interface).
- b. Comprehensive diagnostic messages; SPN/FMI codes; KWP2000 support.
- c. Automatic or manual start/stop of the Gen-set.
- d. Push buttons for simple control, lamp test.
- e. Graphic back-lit LCD display 128x64 pixels.
- f. 6 LED indicators.
- g. Parameters adjustable via keyboard or PC.
- h. Mains measurements (50/60 Hz): U1-U3, Hz.
- i. Generator measurements (50/60 Hz): U1-U3, I1-I3, Hz, kW, kVAr, kWh.
- j. Selectable protections alarm/shutdown.
- k. 3 phase Generator protections: over-/under voltage, over-/under frequency, current/voltage asymmetry, over-current/overload.
- l. 3 phase AMF function: over-/under frequency, over-/under voltage, voltage asymmetry.
- m. Configurable analog inputs.
- n. Battery voltage, engine speed (pick-up) measurement.
- o. Configurable programmable binary inputs and outputs.
- p. Warm-up and cooling functions.
- q. Generator C.B. and Mains C.B. control with feedback and return timer.
- r. RS232 interface.
- s. Sealed to IP65.

The control modules option



DSE702



HGM6120



DSE7320



DSE8610

Remarks: For the specific and detailed features of the above types, please refer to “Control System Selection” file.

Soundproof enclosure

Standard soundproof enclosure

„ Meet standards, quality, noise level ≤ 70 dB at a distance of 7m open space.

Silencer shell material

„ Made of 2mm steel plate; Soundproofing, heat-insulating materials, meeting the regulations on noise level

Frame – base

„ Designed to be sturdy and durable. Use U, I or V shaped steel

Paint, plating

„ The shell is made of steel plate with oxidation treatment and powder coating; The soundproofing materials are guaranteed according to the manufacturer's standards; withstand rain and sun. Machine for outdoor

Case layout

„ Structure in the form of a module block, easy to disassemble and convenient for maintenance work, wide operation door; The soundproof enclosure is attached to the chassis to form a unified structure; The control panel part must have a mica glass door to facilitate inspection and operation of the machine

Oil Tank Capacity

Oil tank capacity is 450 Liters, enough to run continuously for 8 hours at 100% load

Generator Set Options and Accessories

Generator set

- ☐ Silence generator set
- ☐ Trailer generator set
- ☐ Single phase generator set
- ☐ ABB MCCB circuit breaker

Fuel system

- ☐ 12 hour base tank(single wall)
- ☐ 24 hour base tank(single wall)
- ☐ Dual wall base fuel tank
- ☐ Outside fuel tank

Exhaust system

- ☐ Residential exhaust silencer

Alternator

- ☐ PMG excitation
- ☐ Space heater

Low environment temperature

- ☐ Water heater
- ☐ Oil heater
- ☐ Battery heater

Control system

- ☐ AMF function
- ☐ ATS control cabinet
- ☐ Multiple generator automatic synchronising

Contact Us

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WARNING:

Do not connect generator sets to any load and electrical equipments unless the circuit breaker is in the disconnected condition.