

DIESEL ENGINE GENERATOR

SDG45SE



Tier 3 Engine installed

Features & Benefits

◆ High Generator Performance

Preset Voltage Regulation within $\pm 0.5\%$

◆ Environmental Friendly

Low Noise level : Sound power level in decibels **88 dB**
Sound pressure level at 7m **58 / 61 dB(A) (50/60Hz)**

◆ Increase reliability

Pursuit of robustness by optimized design for operation in harsh environment

- Fully sealed terminal board
- Dust protection at alternator inlet
- Base frame water stopper plate
- Emergency stop button as standard

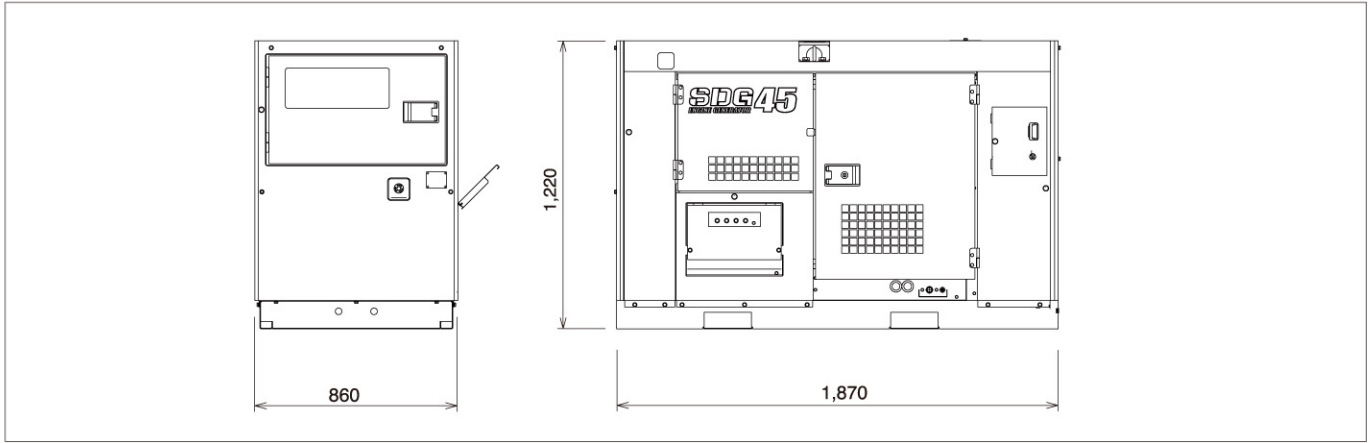
◆ Transportability

Good mobility as easy to lift by lifting bail and easy to install by forklift slots.

◆ Resessed outlet as an option

Additional socket available as factory set option for various applications onsite





SPECIFICATIONS SDG45SE-3B2

GENERATOR

Type	Revolving field brushless type
3P, 4W Output	37 / 45 kVA (29.6 / 36.0 kW)
Voltage	400(380) / 440 V
Power factor	80%
Current	53.4 / 59.0 A
Frequency	50 / 60 Hz
No. of poles	4
Rated revolution	1,500 / 1,800 rpm
Class of insulation	Class F
Class of rating	Continuous
Driving system	Direct coupled to engine

OPTION

Socket (2 pin, type C)	
Current	15A x 2
Voltage	231 (220) / 254 V

DIESEL ENGINE

Maker	KUBOTA
Model	V3600-T-K3A
Type	Water-cooled 4 cycle, swirl-chamber
No. of cylinder	4
Bore dia. x stroke	98 mm x 120 mm
Total displacement	3,620 L (3,620 cc)
Compression ratio	21.8 : 1
Rated output	35.0 kW (47.6 PS) / 1,500 rpm 42.5 kW (57.8 PS) / 1,800 rpm
Charging generator	12V, 30 A
Starter motor	12V, 2.5 kW
Battery	80D26R-MF 12V
Air cleaner	Dry type
Cooling water capacity	11 Liters
Fuel tank capacity	100 Liters
Lubricating oil capacity	13.2 Liters

PROTECTION

ENGINE STOP	Low engine oil pressure High water temperature Battery charging failure Overspeed Abnormal of speed sensor Abnormal of solenoid Abnormal of water temp. sensor Short circuit of water temp. sensor Snapping alternater L wire Overvoltage
BREAKER TRIP	Overcurrent, Short circuit Leakage

CONTROL PANEL

Generator	AC Voltmeter AC Ammeter Frequency meter Voltage regulator (with AVR) Leakage relay Magnetic circuit breaker (3P)
Engine	Starter switch Glow lamp Engine water temp gauge Fuel gauge (with hour meter)
Warning lamps	Low engine oil pressure High water temperature Not charging Air filter clogging

DIMENSION & WEIGHT

L x W x H	1,870 x 860 x 1,220 mm
Dry weight	910 kg
Operation weight	1,020 kg

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SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.



ISO9001 : JQA-0581
ISO14001 : JQA-EM4670