

AIRMAN®

DIESEL ENGINE GENERATOR

SDG25S-3A8



Tier 2 Engine installed

FEATURES AND BENEFITS

◆ HIGH GENERATING PERFORMANCE

- Preset Voltage Regulation within $\pm 0.5\%$
- Suitable for wide range of non - linear load such as inverter, thyristor, computer, precision instrument

◆ EXTREMELY QUIET OPERATION

- Sound power level: 90 dB
- Sound pressure level: 61 dB(A)
(At 7m in four directions from machine and no - load)

◆ EASY MAINTENANCE - SOPHISTICATED STRUCTURE

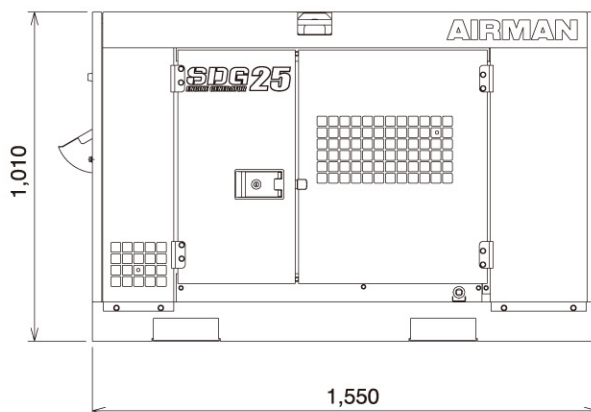
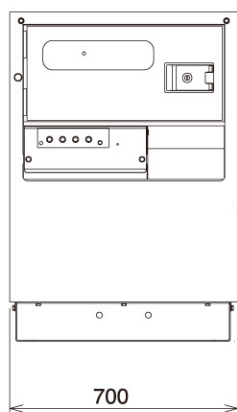
- Optimized components
- Single side serviceability

◆ MADE IN JAPAN QUALITY - ECONOMICAL AND RELIABLE

- Built and assembled in Japan
- Designed for all weather proof
- Utilizing reliable diesel engines with low fuel consumption manufactured by Japanese leading engine manufacturers



HOKUETSU INDUSTRIES CO., LTD.



SPECIFICATIONS SDG25S-3A8

GENERATOR

Type	Revolving field brushless type
3P, 4W Output	20 / 25 kVA (16.0 / 20.0 kW)
Voltage	400 (380) / 440 V
Power factor	80%
Current	28.9 (30.4) / 32.8 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	230 (220) / 254 V

DIESEL ENGINE

Maker	KUBOTA
Model	V2403-E2B
Type	Water-cooled 4 cycle, swirl-chamber
No. of cylinder	4
Bore dia. x stroke	87 mm x 102.4 mm
Total displacement	2.434 L (2,434 cc)
Compression ratio	24.4 : 1
Rated output	19.1 kW (26.0 PS) / 1,500 rpm 23.7 kW (32.2 PS) / 1,800 rpm
Charging generator	12V, 30 A
Starter motor	12V, 1.4 kW
Battery	80D26R-12V
Air cleaner	Dry type
Cooling water capacity	7 Liters
Fuel tank capacity	70 Liters
Lubricating oil capacity	9.5 Liters

PROTECTION

ENGINE STOP

Engine oil pressure
Engine water temp.
Battery
Overspeed
Abnormal of speed sensor
Abnormal of solenoid
Abnormal of water temp. sensor
Short circuit of water temp. sensor
Snapping alternator L wire
Overvoltage
Overcurrent, Short circuit
Leakage

BREAKER TRIP

CONTROL PANEL

Generator

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

Engine

Warning lamps

DIMENSION & WEIGHT

L x W x H	1,550 x 700 x 1,010 mm
Dry weight	625 kg
Operation weight	695 kg

HOKUETSU INDUSTRIES CO., LTD.

8th Floor Shinjuku San-Ei Bldg.
22-2 Nishi-Shinjuku 1-Chome, Shinjuku-ku, Tokyo 160-0023 Japan
Tel: 81-3-3348-7281 Fax: 81-3-3348-7289
E-mail: airman.oversea@airman.co.jp
http://www.airman.co.jp

HOKUETSU INDUSTRIES EUROPE B.V.

Aalsmeerderdijk 156, 1438 AX Oude Meer, The Netherlands
Tel: 31-20-6462636 Fax: 31-20-6462191
E-mail: info@hokuetsu.nl

AIRMAN ASIA SDN. BHD.

Suite A-8-2, level 8, Block A, Sky Park @ One City,
Jalan USJ 25/1, 47650 Subang Jaya, Selangor, Malaysia
Tel: 60-3-5036-7228 Fax: 60-3-5036-7226
E-mail: sales@airman-asia.com

AIRMAN USA CORPORATION

7633 Adairsville Hwy Adairsville, GA 30103
Tel: 1-770-769-4241 Fax: 1-770-769-4335

SAFETY

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



ISO9001 : JQA-0581
ISO14001 : JQA-EM4670