

ULTRA SUPER SILENT SDG-AS Series



SDG25AS



SDG45AS



SDG60AS



SDG100AS



SDG150AS

■ SPECIFICATIONS

Model	SDG25AS -3B1			SDG45AS -3B1		SDG60AS -3A6		SDG100AS -3A6		SDG150AS -3A6	
● Generator											
Frequency	Hz	50	60	50	60	50	60	50	60	50	60
Rated Output	kVA	20	25	37	45	50	60	80	100	125	150
Voltage	V				50Hz : 200 or 380 or 400 or 415 , 60Hz : 220 or 440(Dual Voltage)						
Power Factor	A				80						
Class of rating	%				Continuous						
Exciting Method					Brushless (with A.V.R.)						
No. of Phase					3-Phase , 4-Wire						
● Diesel Engine											
Make and Model		Kubota V2403-K3A		Kubota V3800-DI-T-K3A		Isuzu BB-4BG1T		Isuzu DD-6BG1T		Hino J08C-UD	
No. of Cylinder		4		4		4		6		6	
Type(4Cycle,Water-Cooled)		Swirl Chamber		Direct Injection,Turbo charged		Direct Injection,Turbo charged		Direct Injection,Turbo charged,Intercooled			
Total Displacement	L	2.434		3.769		4.329		6.494		7.961	
Rated Output	PS(kw)	26(19.1)	32(23.7)	51.7(38.0)	62(45.6)	65(48.1)	78(57.4)	100(73.6)	124(91.2)	160(118)	190(140)
Speed	rpm	1,500	1,800	1,500	1,800	1,500	1,800	1,500	1,800	1,500	1,800
Fuel					Diesel Fuel Oil						
Fuel Tank Capacity	L	80		165		170		225		265	
Fuel Consumption(50/75%Load)	L/hr	3.0/4.0	3.8/5.0	4.7/6.5	5.9/8.2	6.0/8.6	7.5/10.5	10.2/14.5	13.2/19.0	14.7/19.4	17.7/24.3
Lubricating Oil Capacity	L	9.5		13.2		14		18		24.5	
Cooling Water Capacity	L	9		11		15		24		22	
Battery(Capacity 5hrs)	(Ah)	80D26R(55) ×1		80D26R(55) ×1		80D26R(55) ×1		95D31R(64) ×2		95D31R(64) ×2	
● Dimensions & Weight											
Overall Length	mm	1,570		1,995		2,090		2,700		3,200	
Overall Width	mm	800		950		950		1,140		1,200	
Overall Height	mm	1,090		1,300		1,300		1,500		1,630	
Net Dry Mass	kg	730		1,060		1,280		1,870		2,590	
Operating Mass	kg	810		1,215		1,440		2,100		2,850	
● Sound Level											
Sound power level in decibels	dB	83		82		83		84		88	
Sound pressure level *1	dB(A)	53	56	51	54	55	56	54	57	55	58

* For other voltages than above-mentioned ones, contact us.

* 1 7m in four directions from machine and at no load

■ List of Optional Equipment

● : Standard equipment ○ : Option upon manufacture

Model / Item	SDG13	SDG25	SDG45	SDG60	SDG100	SDG125	SDG150	SDG220	SDG300	SDG400	SDG500	SDG610
Automatic Starting System	○*	○*	○	○	○	○	○	○	○	○	○	○
With built-in battery charger	○*	○*	○	○	○	○	○	○	○	○	○	○
Manual Operated Parallel Operation System	—	—	—	—	F:○ S/AS:—	F:— S:●	F:○ S/AS:●	○	○	○	○	●
Auto-Parallel Operation System	—	—	—	—	—	—	—	○	—	○	○	○
Fuel Auto-feed System	F:— S:○	F:— S/AS:○	F:— S/AS:○	F:— S/AS:○	F:— S/AS:○	F:— S:○	F:— S/AS:○	F:— S:○	○	○	○	○
Three way valve Fuel Feed from outside tank	F:— S:●	F:— S/AS:●	F:— S/AS:●	F:— S/AS:●	F:— S/AS:●	F:— S:●	F:— S/AS:●	F:— S:●	●	●	●	●
Engine Oil Auto-Feed System	—	F/S:○ AS:—	○	○	○	○	○	○	○	○	○	○
Flange at outlet of muffler	○	○	○	○	○	○	○	○	○	○	○	○
Protection against salt damage	○	○	○	○	○	○	○	○	○	○	○	○
Anti-theft cover	○	○	○	○	○	○	○	—	—	—	—	—
Engine Oil Pressure Meter	○	○	○	○	●	●	●	●	●	●	●	●

* Automatic starting system and battery charger cannot be built into at the same time.

General purpose Emergency backup Generator for failure of utility source SDG-E series

When an electric utility outage takes place, the set is automatically switched from the utility source to the backup generator, and when the utility power is restored, it is automatically switched back to the utility power source.

⚡ Three Attempts starting operation

If the engine failed to start up after 10 seconds cranking, additional two more attempts to start will be included to ensure the engine to be started up. "Difficulty in starting" indication lamp will only be on after engine failed to start after three attempts.

⚡ Trial (Test) operation availability

Test operation is available for maintenance and inspection as standard function.

⚡ Built-in Battery charger

ATS panel incorporates a battery charger to keep charging the battery of a standby generator.

⚡ Fault Indication Lamp

Generator fault indication lamp is equipped on the ATS panel. This is a consolidated indication for out of fuel, fuel filter clogging, low engine oil pressure, high coolant temperature, overcurrent and earth leakage.



ATS panel

* ATS panel in photo is ground standing type for outdoor use. (upon customer' request before production process this is available.)

Features and benefits

1. Simplified construction incorporating all required functions
2. Light-weight and compact
3. Easy connection between ATS panel and generator

Examples of Backup Power Supply

- Poultry facilities and Swinery
- Gas-station
- Housing, Villa residence, Office and Factory
- Communication station, Broadcasting station, Lighting facilities and Traffic signal station
- On-line system of bank, Credit union, Agricultural cooperative association
- Battery for portable telephones base
- Facilities for draining water for underground engineering construction

● Specifications of ATS panel

	For SDG13/25	For SDG45/60	For SDG100/125/150	For SDG220/300	For SDG400/500
Type	Wall mounted type		Floor standing type		
Rated voltage(V)	AC 200/220				
Control voltage(V)	DC 12		DC 24		
L×W×H(mm)	850×550×300	1,000×600×300	1,600×650×300	1,700×800×500	1,700×750×600
Mass(kg)	57	75	125	260/280	300