

Leak Guard  
Diesel Engine Generator

SDG100L Series

**AIRMAN**®

**Brand New**

## Brand-New! Environmentally Friendly Generators

The leak guard type is now available for sale: standard equipment includes an oil fence that prevents oil from leaking out as much as possible. We also offer the new Able Generator that integrates various types of power supplies into a single device.

### Leak Guard Diesel Engine Generator

**SDG100L/SDG100LX**

**80/100kVA**

[Large Fuel Tank Mounted]

**3-phase lines and three single-phase lines are available to be used at the same time (Able Generator)**

**SDG100LA/SDG100LAX**

**80/100kVA**

[Large Fuel Tank Mounted]



SDG100LAX



SDG100L

### Features of the Oil Fence

If fuel or oil is leaked into the oil fence, the fence prevents the oil from flowing out as much as possible.

The oil fence of the SDG100L/LA has a capacity larger than the total amount of fuel, oil, and coolant combined.

\*The oil fence does not guarantee the prevention of all oil leakages.

### Mountable on a 4-tonne crane truck

With its operation/maintenance weight not larger than 2,700 kg, this device can be mounted onto a 4-tonne crane truck.

### Continuously operable for a long time

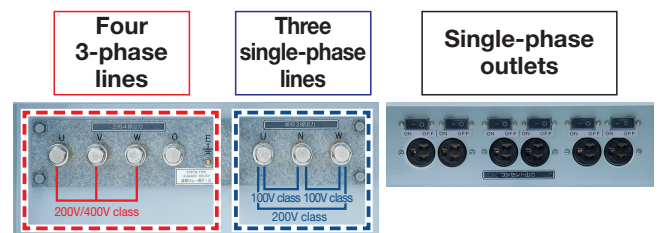
(100LX/100LAX)

Standard equipment with a large 750-liter fuel tank. This machine can run continuously for a long time without refueling.

### 3-phase/three single-phase lines are available to be used at the same time

(100LA/100LAX)

Four 3-phase lines and three single-phase lines are available to be used at the same time without switching.



**HOKUETSU INDUSTRIES CO., LTD.**

SDG - **L** **A** **X**

L = preventing fluid from leaking out as much as possible (leak guard)  
 +  
 A = 3-phase/single-phase three lines output is available at the same time  
 +  
 X = a large-capacity fuel tank

■ Specification

Item		Model	SDG100L-5B1	SDG100LA-5B1	SDG100LX-5B1	SDG100LAX-5B1
Leak Guard			●	●	●	●
3-phase/single-phase three lines output is available at the same time			-	●	-	●
Equipped with a large fuel tank			-	-	●	●
<b>● Generator</b>						
Frequency	Hz		50	60	50	60
Power switching	200-400V switching		Standard Specification		Standard Specification	
Four-3-phase model, 200V	Output	kVA	80	100	80	100
	Voltage	V	200	220	200	220
	Current	A	231	262	231	262
Four-3-phase model, 400V	Output	kVA	80	100	80	100
	Voltage	V	400	440	400	440
	Current	A	115	131	115	131
Three single-phase model*1, 100/200V	Output	kVA	-	-	47<23.5>	58<29>
	Voltage	V	-	-	100-200	110-220
	Current	A	-	-	235×2/235<117.5×2/117.5>	264×2/264<132×2/132>
Output from an Outlet	Voltage	V	100	110	100	110
	Outlet	kVA	1.5×6 pins	1.65×6 pins	1.5×6 pins	1.65×6 pins
Excitation			Brushless			
Pole count	P		4			
Power factor			3-phase 0.8 (delay) Single-phase 1.0			
<b>● Diesel engine</b>						
Name			Isuzu BI-4HK1X			
Type			4-cylinder direct-injection supercharger with air coolers			
Total displacement	L		5.193			
Rated output	kW		96.3	114	96.3	114
Rated rotation speed	min <sup>-1</sup>		1,500	1,800	1,500	1,800
Fuel type			Diesel oil			
Fuel tank capacity	L		250		750	
Fuel consumption	50% load	L/hr	9.9	12.8	9.7	12.5
	75% load	L/hr	14.5	18.2	14.1	17.8
Volume of engine oil	L		20.5			
Volume of cooling water	L		22.2			
Battery x Quantity			170F51 ×1			
<b>● Outer dimension, weight</b>						
Length x Width x Height	mm		2,530×1,150×1,580			2,530×1,150×1,760
Dry (operation/maintenance) weight	kg		1,830 (2,080)		1,890 (2,140)	1,970 (2,630)
Sound power level LwA*2	dB		91 [Super low]		91 [Super low]	91 [Super low]

\*1 Figures in < > denote the values when connected with the 3-phase 400V.

\*2 The value of the sound power is based on 60Hz, no-load rated rotations.

The letter in [ ] denotes the low noise classification designated by the Japan's Ministry of Land, Infrastructure, Transport and Tourism.

\* The specifications and appearances are subject to change without notification.

**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 precautions**

- Use this product safely in accordance with the operation manuals.
- Make sure to inspect the machine daily and periodically to prevent failures and accidents.

- This brochure was produced in September 2019. The specifications and appearances are subject to change without notification.
- The colors in this brochure may be different from the actual painted colors on the machines.



ISO9001 : JQA-0581  
 ISO14001 : JQA-EM4670