

SOUNDPROOF DIESEL GENERATING SET **DCA-1100SPK**

**Equipped with Denyo's original generator unit,
Realizing more compact dimensions, excellent startability.**



- **Equipped with Denyo's original generator unit**

DCA-1100SPK is equipped with a generator unit completed in our fully integrated manufacturing process from design through assembly, providing higher efficiency and performance.

- **The generator unit is designed to operate at full load at start-up, ensuring excellent startability.**

- **Quieter, more compact design**

- **Automatic parallel running system**

A fully automatic parallel operation device "EASY GEN" is available as a factory option.

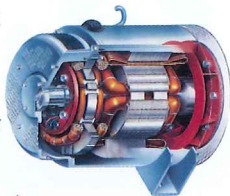
Soundproof Diesel Generating Set

DCA-1100SPK

Equipped with Denyo's original generator unit

DCA-1100SPK is equipped with a generator unit completed in our fully integrated manufacturing process from design through assembly, providing higher efficiency and performance.

Because of its reinforced damper coils, the generator has little output waveform distortion and large negative phase sequence current capability even on the rectifier load. With small variations in voltage, DCA-1100SPK can be used to supply power to a wide variety of equipment including inverters, thyristors, computers, lighting systems at event sites, precision equipment, and measuring instruments.



With small transient reactance and the motor that incorporates a unique excitation system, the product features excellent startability.

Because of the limited instantaneous voltage drop and quick voltage recovery, the generator has little influence on other electrical equipment at its sequential start.

Excellent startability

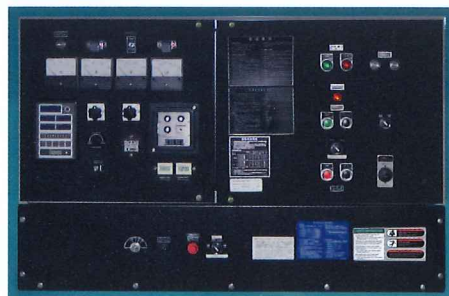
DCA-1100SPK is designed to operate at full load at start-up, ensuring excellent startability.

Quieter, more compact design

Compared with its predecessor, DCA-1100SPM becomes smaller by 100 mm in length, 150 mm in width, and 160 mm in height. Moreover, the level of noise in silent mode has been reduced.

Control Panels

Fully appointed control panels for ease of use and monitoring generator performance.



Principal Standard devices and accessories

Reverse power relay, AC power meter, bearing/stator temperature gauge, lubricant temperature gauge, over-speed protection device, automatic parallel operation device, fuel pipe-switching device

Options

- Automatic oil-supply device
- Fuel Tank 800L
- Fully automatic parallel operation device "EASY GEN"

It is possible to run the automatic parallel operation with a push of a button. This operating mode makes it possible to reduce fuel costs by controlling the number of operating units according to the load (up to 32 units). Generators equipped with fully automatic parallel operation devices can be run in parallel even if their capacities are different.



SPECIFICATION

Model	DCA-1100SPK		
AC Generator			
Frequency Hz	50	60	
Rated Output kVA	1000	1100	
Rated Voltage V	380-440	380-480	
Power Factor	0.8(Lagging)		
Voltage Regulation %	±0.5		
Excitation	Brushless(with A.V.R.)		
No. of Phases	3-Phase,4-Wire		
Insulation	Class F		
Diesel Engine			
Engine Model	Komatsu SAA12V140		
Type	4-Cycle, Water-Cooled, V Direct Injected, Turbocharged, Aftercooled		
Piston Displacement L	30.48		
Output Rating	PS/rpm	1170/1500	1324/1800
	kW/min ⁻¹	861/1500	974/1800
Fuel	ASTM No. 2 Diesel Fuel or Equivalent		
Fuel Consumption* L	152	169	
Fuel Tank Capacity L	600		
Coolant Capacity L	237		
Lube Oil Sump Capacity L	207		
Unit			
Dimensions(L x W x H) mm	6510 (5900)** x 2200 x 2790		
Dry Weight (Total Weight) kg	13000(13980)		

*:Fuel consumption is based on operation at 75% load.
 **:Parenthesized value indicates its which includes rear visor.

■Specifications, external appearance and product colors are subject to change without prior notice. ■Always follow the Operation Manual when storing, transporting, and operating the machine. ■The data contained herein are current as of September 2015.

Direct inquiries to the nearest Denyo distributor or to Denyo co., Ltd.

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