

Denyo

NEW PRODUCT INFORMATION

Large-sized Portable Soundproof Diesel Generating Set

DCA-1100SPC



Realizing lighter weight and more compact dimensions, this model can be transported in a large low-floor truck with 14-ton capacity.

- An electronic governor control system for realizing lower emissions
- Provided with an external fuel pipe-switching device
- Automatic parallel running system
- Automatic idling unit
- Automatic oil-supply device

Denyo Co., Ltd.

■ Light-weight, Compact Design

When compared with our conventional models, dry weight is reduced by 1800 kg and a compact design has been achieved by reducing the total width and height by 150 mm and 160 mm, respectively. This makes it possible to transport the DCA-1100SPC in a 14-ton low-floor truck, thereby saving transportation costs.

■ Improved Fuel Economy

Fuel consumption is improved by 6% (50Hz), or 8% (60Hz) at rated load, when compared with our conventional models.

■ High-performance Brushless Power Generator Installed

This power generator has lower waveform distortion and higher reverse tolerance against rectifier loads realized by improving damper windings. Less instantaneous voltage drop and shorter voltage recovery time lowers the impact on other electric devices in sequential operations.

■ Power Generator Resisting High Load

Offering input at a velocity fluctuation ratio of up to 105% (50Hz) or 110% (60Hz), the generator resists high load operation.

■ SPECIFICATIONS

Model	DCA-1100SPC	
AC Generator		
Frequency	Hz	50 60
Rated Output	kVA	1000 1100
Rated Voltage	V	400 440
Rated Current	A	1443 1443
Power Factor	0.8 (Lagging)	
Excitation	Brushless (with A.V.R.)	
No. of Phases	3-Phase, 4-Wire	
Insulation	Class H, Heat Resisting	

■ Many Safety Devices

The DCA-1100SPC is provided with a circuit breaker for protecting itself from short-circuiting and overtaxing load circuits, and both an emergency shut-off device and an alarm light automatically detect engine abnormalities and turn off the engine.

Items	Engine Shut-off	Load Rejection	Abnormality Display
Oil pressure reduction	○	○	○
Water temperature rise	○	○	○
Water temperature rise	○	○	○
Excess speed	○	○	—
Overcurrent	—	○	—
Reverse power	—	○	—
Ground leakage	—	○	○
Fuel volume reduction	○	○	○
Air cleaner clogged	—	—	○

○: Operates
—: Does not operate

■ Principal devices and accessories

Frequency Meter, AC Ammeter, AC Voltmeter, AC Wattmeter, Overcurrent Relay, Leakage Current Relay, Reverse Current Relay, Generator Stator Thermometer, Generator Bearing Thermometer, Automatic Parallel Running System

Diesel Engine

Engine Model	Cummins QST30-G4	
Type	4-Cycle, Water-Cooled, V Direct Injected, Turbocharged, Aftercooled	
Piston Displacement	L	30.48
Rated Output	kW	880 1007
Output Rating	min ⁻¹	1500 1800
Fuel	ASTM No. 2 Diesel Fuel or Equivalent	
Fuel Consumption*	L	193 213
Fuel Tank Capacity	L	800
Coolant Capacity	L	234
Lube Oil Sump Capacity	L	154

Dimensions and Weight

Dimensions LxWxH mm	6000 (6610)** x 2200 x 2790
Dry Weight (Total Weight) kg	12700 (13920)

*: Value at rated 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 February 2009.

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

 **Denyo Co., Ltd.**

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