

**DIESEL GENERATING SETS
SINGLE PHASE TYPE
(5.0-40kVA)**

Power Source Technology for the Future

Denyo[®]

DCA-LSX/ESX series



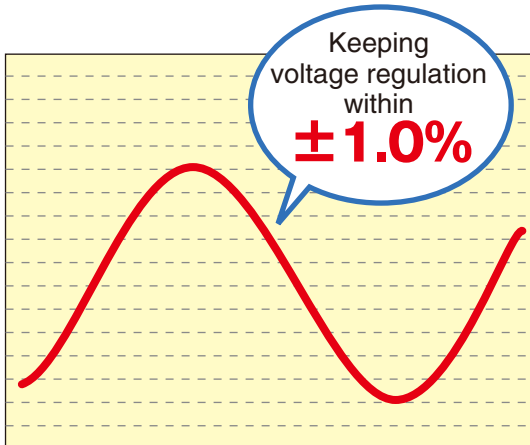
DCA-6LSX



DCA-40ESX

Denyo Co., Ltd.

Denyo's New Generator S Minimal Voltage Fluctuat and Wave Distortion.



Voltage Regulation Within $\pm 1.0\%$

Denyo's original high-performance Automatic Voltage Regulator (AVR) maintains superb stability output by keeping voltage regulation within $\pm 1.0\%$.

In-Built Convenience

A standard "Emergency Stop Device" will shut down the generator automatically when a malfunction is detected. In addition, an In-Built Breaker" protects the generator from overloads (the warning light for models less or equal DCA-15LSX will turn on when Low Oil Pressure, High Water Temperature and Insufficient charging are detected. The safety-monitoring-indicator used in models over DCA-18ESX will turn on when Low Fuel Level, Dust, Low Oil Pressure, High Water Temperature, and other Foreign Particles inside the unit is detected.)

And optional "Earth Leakage Relay" protects the user from electrocuted (models for DCA-6LSX, 15LSX, 18ESX).

Quiet Operation

Original sound-proofing technology reduces the noise level to under 65dB(7m). These generators are classified as super Low Noise Construction Machine according to the standards issued by the Japanese Ministry of Construction.



DCA-6LSX



DCA-10LSX



DCA-18ESX



DCA-30ESX

Minimal Waveform Distortion

Improved design of damper coil and generator keeps waveform distortion to negligible levels, even SCR and compact X-ray unit loads and as a back-up power supply for computer systems.

Low-Cost Operation

The design of 4-pole generator enables the use of economical low engine speeds within the range of 1,500 to 1,800 rpm. The efficient generator with 4-cycle diesel engine further reduces fuel consumptions.

ets Assure ion Rate



DCA-15LSX



DCA-40ESX

Breather System Engines

As the Breather System engine does not exhaust blow-by gas, inside of the generator is always clean.

Automatic Fuel Bleeding Devices

(Used in DCA-6LSX, 10LSX, 15LSX, 18ESX)

Just turn the starter switch on, it releases air from the fuel automatically. It will neither taint inside of the machines nor the operator's hands.

Option

Trailer/Caster (two wheel or four wheel type)

Trailers can be fitted to the generators to facilitate on-site movement.

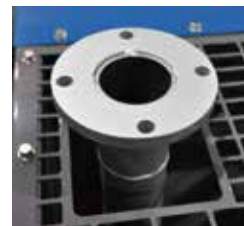


Two Wheel Type Trailer



Four Wheel Type Trailer

Mounting of muffler flange



Anti-Damage from Salt Water Specifications

This specification is designed for the unit which is used on the coast or off shore, and includes treatment to prevent insulation resistance from dropping and corrosion resistant treatment of the parts.



Keyed fuel tank cap



Keyed rear door



Exhaust gas tale pipe

*Some options may not be available depend on the models. Please confirm the details with a Denyo's sales person.

Specifications

Item		Model	Sound-Proof Type											
			DCA-6LSX		DCA-10LSX		DCA-15LSX		DCA-18ESX		DCA-30ESX		DCA-40ESX	
Generator	Frequency	Hz	50	60	50	60	50	60	50	60	50	60	50	60
	Output	kVA	5.0	6.0	8.0	10	13	15	14	18	24	30	33	40
	Voltage	V	50Hz:100,200 60Hz:100,110,120,200,220,240						50Hz:100/200 ~ 110/220 60Hz:100/200 ~ 120/240					
	Rotating Speed	rpm	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800
	Power Factor		1.0											
	No. of Phase		Single Phase (2-wire type) *1						Single Phase (3-wire type)					
	Rating		Continuous											
	Excitation		Brushless (with AVR)											
	No. of Poles		4											
Diesel Engine	Model		KUBOTA D905-K3A		KUBOTA D1403-K3A		KUBOTA V2203-K3A		ISUZU AA-4LE2		ISUZU BB-4JG1T		ISUZU BB-4BG1T	
	Type		Inlined,Swirl Chambered						Inlined,Direct Injected		Inlined,Direct Injected Turbocharged			
	No. of Cylinders Bore,Stroke	mm	3-72×73.6		3-80×92.4		4-87×92.4		4-85×96		4-95.4×107		4-105×125	
	Piston Displacement	L	0.898		1.393		2.197		2.179		3.059		4.329	
	Rated Output	PS/rpm kW/min ⁻¹	8.7/1500	10.5/1800	13.9/1500	16.9/1800	23.0/1500	27.1/1800	26/1500	32/1800	46.5/1500	56/1800	65.1/1500	77.6/1800
			6.4/1500	7.7/1800	10.2/1500	12.4/1800	17.0/1500	19.9/1800	19.1/1500	23.5/1800	34.2/1500	41.2/1800	47.9/1500	57.1/1800
	Battery × Quantity		55B24L×1			80D26R×1					95D31R×1		120E41R×1	
	Fuel		ASTM No.2 Diesel Fuel, or Equivalent											
	Fuel Tank Capacity	L	36		62		62		70		100		125	
Fuel Consumption*2	L/h	1.5	1.8	2.3	2.9	3.4	3.9	3.0	3.9	5.6	7.3	7.3	9.1	
Dimensions,Weight,etc.	Length:L	mm	1230		1390		1540		1540		1900		2200	
	Width:W	mm	650		650		650		680		880		880	
	Height:H	mm	760		900		900		900		1250		1250	
	Dry Weight	kg	379		503		580		564		1040		1180	
	Sound Level	7mdB(A) ^{*3}	54	57	58	61	61	64	59	60	60	62	61	64

*1 3-wire type is available as option. *2 Fuel consumption is based on operation at 75% load.

*3 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source.



ISO 9001:2015 Certified
ISO 14001:2015



Colors of products would be different from printed ones of catalogues.
The Specifications given herein are subject to change without notice.

Denyo® The Denyo trademark is widely recognized as a brand, and is a registered trademark in 93 countries and 8 regions.

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