

DIESEL ENGINE DRIVEN GENERATOR < SOUND PROOF TYPE >

DCA-45ESY



Quality and Endurance for commercial use

This high quality generator for commercial uses stronger windings, compared to other products. Due to the low noise level it qualifies especially for loads from inverters or electric devices like computers etc. Excellent starting performance due to the low transient reactance and the unique excitation system.

Dual Voltage System

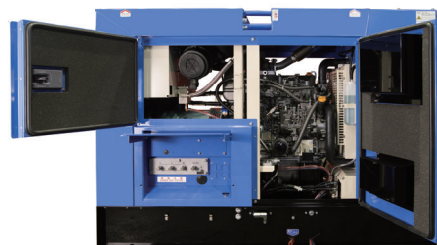
For companies that operate internationally or have motors that require power at different voltages, a different generator is usually required for each voltage setting. However, the DCA-45ESY is equipped with a dual voltage system, so one generator can be used to power motors with different voltage settings. An extremely convenient feature.

Equipped With Clean Engine

We work on improving environmental performance and has assembled a line of environmentally friendly engine-driven generators.

Quiet Operation

Exceptionally quiet operation accomplished through the use of state-of-the-art soundproofing technology.

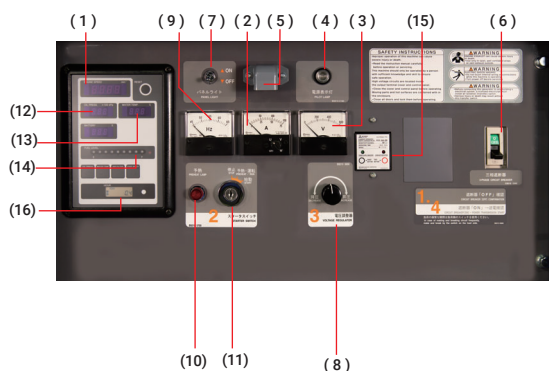


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Control Panel with Outstanding User-Friendliness

Denyo's generators feature a functional panel layout that can be easily operated even by first-timers.



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|------------------------|-----------------------------------|
| (1) Indicator | (9) Frequency Meter |
| (2) AC Ammeter | (10) Preheat Lamp/Warning Lamp |
| (3) Voltmeter | (11) Starter Switch |
| (4) Pilot Lamp | (12) Indicator(Oil Pressure) |
| (5) Panel Light | (13) Indicator(Water Temperature) |
| (6) Circuit Breaker | (14) Fuel Level Indicator |
| (7) Panel Light Switch | (15) Earth Leakage Relay |
| (8) Voltage Regulator | (16) Hour Meter |

Provision of Various Protective Devices and Warning Lamps

-A circuit breaker is provided to protect the generator from shorting of the load circuit or an overload.

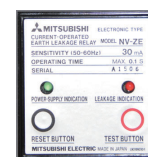
-An emergency stop device is provided to automatically detect an engine malfunction and shut down the unit as well as a warning lamp.

Item	Operation Display	Engine Shut down	Circuit breaker will trip	Alarm Lamp
Low Oil Pressure		○	-	○
High water temperature		○	-	○
Over Current		-	○	-
Earth leakage		-	○	○
Insufficient charging		-	-	-
Low fuel level		-	-	○
Air Element Blinding		-	-	○
Over-speed		○	-	○

Mark ○: Operates Mark - :Does not operate

Earth Leakage Relay

DCA-45ESY is equipped with Earth Leakage Relay to prevent electric shock.



Emergency Stop Button



Output Terminal



SPECIFICATION TABLE

MODEL		DCA-45ESY	
ALTERNATOR			
Frequency	Hz	50	60
Output Rating kVA	Continuous	37	45
	Standby	40.7	49.5
No. of Phases	3-Phase, 4-Wire		
Rated Voltage	V	190-220V	190-240V
		380-440V	380-480V
Power Factor	0.8(Lagging)		
Voltage Regulation	%	Within ±0.5	
Excitation	Brushless , rotating exciter(With A.V.R)		
Insulation	Class F		
ENGINE			
Maker & Model	Yanmar 4TNV98T-GDG		
Type	Inlined, Direct Injected, Turbocharged		
Output Rating	Ps/rpm	51.2/1500	61.6/1800
	kW/min ⁻¹	37.7/1500	45.3/1800
No. of Cylinders-Bore x Stroke	mm 4-98x110		
Piston Displacement	3.318		
Fuel	ASTM No. 2 Diesel Fuel or Equivalent		
Fuel Consumption	L/h ¹	6.4	8.0
Lube Oil Sump Capacity	L	11.2	
Coolant Capacity	L	11.1	
Battery x Quantity	115D31R x 1		
Fuel Tank Capacity	L	100	
Engine Emissions	Stage II (Japanese)		

DCA-45ESY

UNIT

Dimensions	Length	mm	1850
	Width	mm	880
	Height	mm	1315
Dry Weight	kg	990	

SOUND LEVEL

7m dB(A) ^{*2}	58	61
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*1 Fuel consumption is based on operation at 75% load.

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

The specifications given herein are subject to change without notice.

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

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