

The power to go beyond.

# Denyo

**DIESEL ENGINE DRIVEN GENERATOR (SOUND PROOF TYPE)**

# DCA-400LSIE



## 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-400LISE is equipped with a dual voltage system, so one generator can be used to power motors with different voltage settings. An extremely convenient feature.

## Parallel Operation Feature

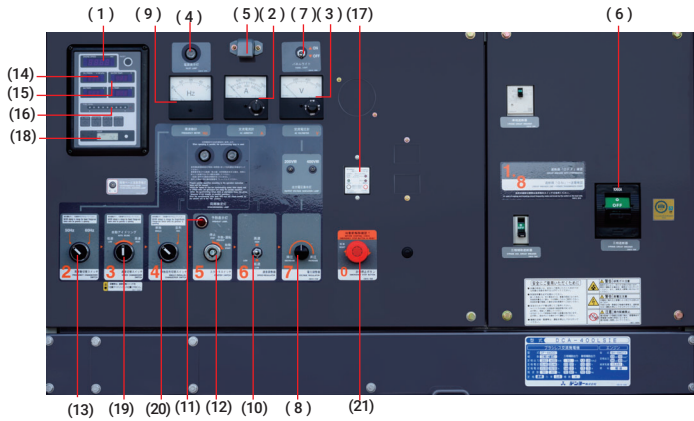
From time to time, at a construction site, mine site or in other situations, a large temporary power supply is required for a particular job. To meet this requirement Denyo's DCA Series generators incorporate a built-in parallel operation drive system, allowing you to create a large capacity generating plant on-site, without the need to procure any other equipment.

## Equipped With Clean Engine

We work on improving environmental performance and has assembled a line of environmentally friendly engine-driven generators. Compliant with the Japanese exhaust gas regulations (Stage III ).

## Control Panel with Outstanding User-Friendliness

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



- |                                |  |
|--------------------------------|--|
| (1) Indicator                  | (12) Starter Switch                    |
| (2) AC Ammeter                 | (13) Frequency Changeover Switch       |
| (3) Voltmeter                  | (14) Indicator(Oil Pressure)           |
| (4) Pilot Lamp                 | (15) Indicator(Water Temperature)      |
| (5) Panel Light                | (16) Fuel Level Indicator              |
| (6) Circuit Breaker            | (17) Earth Leakage Relay               |
| (7) Panel Light Switch         | (18) Hour Meter                        |
| (8) Voltage Regulator          | (19) Speed Changeover Switch           |
| (9) Frequency Meter            | (20) Single-Parallel Changeover Switch |
| (10) Speed Regulator           | (21) Emergency Stop Button             |
| (11) Preheat Lamp/Warning Lamp |  |

## 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		○	○*1	○
High water temperature		○	○*1	○
Over Current		-	○	-
Earth leakage		-	○	○
Low fuel level		○	-	○
Air Element Blinding		-	-	○
Over-speed		○	-	-

Mark ○: Operates Mark - :Does not operate \*1 Parallel mode only

## ECO-BASE

ECO-BASE is a base which has an oil receiver installed inside. You do not need to put an extra tray on the bottom of generator. It is designed to receive fuel, oil and coolant water when they are discharged accidentally.



ECO-BASE (Oil Receiver)

## SPECIFICATION TABLE

MODEL			
<b>ALTERNATOR</b>			
Frequency	Hz	50	60
Output Rating	Continuous	350	400
	Standby	385	440
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		
<b>ENGINE</b>			
Maker & Model	Isuzu BH-6WG1X		
Type	Common Rail, Inlined, Direct Injected, Turbocharged, Aftercooled		
Output Rating	Ps/rpm	416/1500	470/1800
	kW/min <sup>-1</sup>	309/1500	346/1800
No. of Cylinders-Bore ×Stroke	mm 6-147×165		
Piston Displacement	15.681		
Fuel	ASTM No. 2 Diesel Fuel or Equivalent		
Fuel Consumption	L/h <sup>1</sup>	57.0	67.3
Lube Oil Sump Capacity	L	55	
Coolant Capacity	L	60	
Battery×Quantity	190H52×2 or 210H52×2		
Fuel Tank Capacity	L	490	
Engine Emissions	Stage III (Japanese)		

## DCA-400LSIE

### UNIT

Dimensions	Length	mm	4600
	Width	mm	1450
	Height	mm	2200
Dry Weight	kg	5480	

### SOUND LEVEL

7m dB(A) <sup>*2</sup>	65	68
------------------------	----	----

\*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.

# Denyo Co.,Ltd.

Head office:2-8-5,Nihonbashi-horidomecho,Chuo-ku,Tokyo

103-8566,Japan

Tel:+81-3-6861-0055 Fax:+81-3-6861-1188

[www.denyo.co.jp/english/](http://www.denyo.co.jp/english/)

