

Diesel Engine Driven Soundless Generator *Mālie* DCA-45MZ

Astonishing quietness

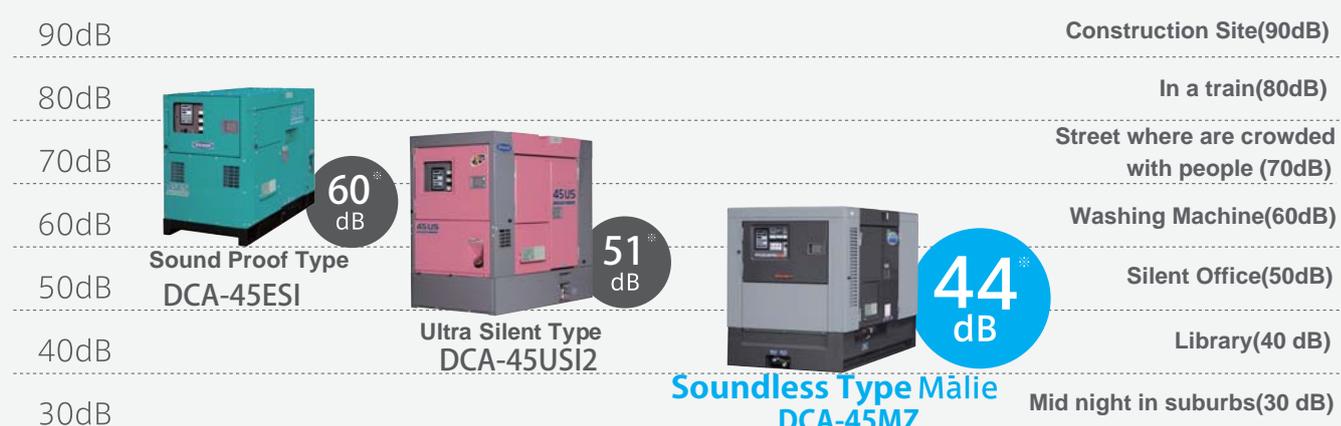


*Sound level reflects 50Hz high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source.



The sound comparison 45kVA class

Large noise



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

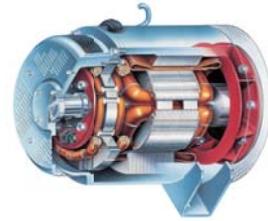
Equipped with High Performance Generator

Power Generators with Less Waveform Distortion and Voltage Fluctuation

With their intensified damper wiring, our generators are less vulnerable to waveform distortion, even when the load applied to the rectifiers changes. They are also highly resistant to negative-sequence current. Moreover, since they can restrict voltage fluctuation, they can resist inverter load, thyristor load, and computer control load. They are suitable for lighting at event sites, precision apparatuses, and measurement equipment.

Generators with Good Motor Activation

The transient reactance of our generators is low, and with the introduction of original excitation systems, their motor activation performance is good. Moreover, since our generators can reduce instantaneous voltage drops and can restore voltage in a short period of time, they have little effect on the other electric equipment when starting up devices sequentially.



ECO-BASE Body

Quick and Easy Detachment

ECO-BASE can easily be detached by removing all bolts. It is extremely easy to clean and maintain.

Simple Fluid Level Indicator

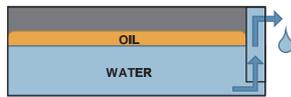
Fluid Level Warning Lamp gauges the level of fluid inside the ECO-BASE. It lights up immediately when fluid reaches 50% capacity

Water & Oil Separating Structure

ECO-BASE is designed to separate water and oil. Water will be discharge first before oil when ECO-BASE is filled to maximum capacity.



Fluid Level Warning Lamp



Easy to Drain

Water and oil collected in ECO tank drains easily through large caliber drain valve. Swivel-type oil drain increases the speed of draining compared to conventional type.



Large Caliber



Swivel-type Oil Drain

Safety Devices

Earth Leakage Relay

Earth Leakage Relay prevents electric shock.

Automatic Safety Controls

The generating set shall be equipped with automatic safety controls which will shut down the engine in the event of any abnormal condition.



	Engine shut down	Circuit breaker will trip	Alarm lamp
Low lubricating oil pressure	○	—	○
High jacket water temp.	○	—	○
Over current of generator	—	○	—
Earth leakage	—	○	○
Fuel level failure	—	—	○
Air element blinding	—	—	○
Over speed	○	—	—

SPECIFICATION TABLE

MODEL		DCA-45MZ	
AC Generator			
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 ^{*1} (380-440V)	200-240V (380-480V)
Power Factor	0.8(Lagging)		
Voltage Regulation	%	Within ±0.5	
Excitation	Brushless ,rotating exciter(With A.V.R)		
Insulation	Class H		
Engine			
Model	Kubota V3800-DI-T-K3A		
Type	Direct Injected,Turbocharged,cooled EGR		
Output Rating	Ps/rpm	53.3/1500	62.7/1800
	kW/min ⁻¹	39.2/1500	46.1/1800
No.of Cylinders-Bore xStroke mm	4-100×120		
Piston Displacement	3.769		
Fuel	ASTM No. 2 Diesel Fuel or Equivalent		
Lube Oil Sump Capacity	L	13.2	
Coolant Capacity	L	12.1	
BatteryxQuantity	115D31R×1		
Fuel Tank Capacity	L	170	
UNIT			
Dimensions	Length mm	2200	
	Width mm	1200	
	Height mm	1490	
Dry Weight	kg	1530	
Sound Power Level			
7m dB(A) ^{*2}		44	49

*1 The rated output downs 10% when you set up frequency and voltage at 50Hz/220V.

*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/

