

SPECIFICATION TABLE(125kVA~400kVA CLASS SOUNDPROOF ECO-BASE TYPE)

MODEL		DCA-150LSKE	DCA-220LSIE	DCA-300LSKE	DCA-400LSKE
AC Generator					
Frequency	Hz	50	60	50	60
Output Rating	Continuous	125	150	200	220
	Standby	138	165	220	242
No. of Phases		3-Phase,4-Wire			
Rated Voltage	V	② Dual Voltage			
Power Factor		0.8(Lagging)			
Voltage Regulation	%	Within ±0.5			
Excitation		Brushless ,rotating exciter(With A.V.R)			
Insulation		Class F			
Engine					
Model		Komatsu SAA6D107E-1-C	Isuzu BH-6UZ1X	Komatsu SA6D102E-1-A	Komatsu SAA6D102E-2-D
Type		Common Rail,Inlined,Direct Injected, Turbocharged			
Output Rating	Ps/rpm	153.6/1500	183.6/1800	276/1500	312/1800
	kW/min ⁻¹	113/1500	135/1800	203/1500	230/1800
No.of Cylinders-BorexStroke mm		6-107x124	6-120x145	6-125x150	6-140x165
Piston Displacement	L	6.69	9.839	11.04	15.24
Fuel		ASTM No. 2 Diesel Fuel or Equivalent			
Fuel Consumption ^{*2}	L/h	24.2	30.7	33.1	36.0
Lube Oil Sump Capacity		24.8	41.6	61	84
Coolant Capacity	L	25.4	41.0	54.4	62.5
BatteryxQuantity		95E41Rx2	145G51x2 or 155G51x2	190H52x2 or 210H52x2	
Fuel Tank Capacity	L	250	400	490	
UNIT					
Dimensions	Length mm	3250	3600	4000	4500
	Width mm	1150	1350	1470	1500
	Height mm	1650	1750	1850	2250
Eco Base Capacity	L	300	487	605	684
Dry Weight	kg	2550	3710	4900	6360
Sound Power Level					
7m dB(A) _{1500/1800rpm(min⁻¹)^{*3}}		63	66	63	65
LwA dB No load.60Hz		94●	93●	100○	100○
Exhaust gas regulations		Stage III(Japanese)			

*1 Rated Voltage Classification		
Frequency	50Hz	60Hz
②	190-220V 380-440V	190-240V 380-480V

*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.
 *4 Depending on location and area,output voltage may differ from values listed in catalog.

●:Super low noise construction equipment designated by the MLIT Japan
 ○:Low noise construction equipment designated by the MLIT Japan



DCA-150LSKE DCA-220LSIE DCA-300LSKE DCA-400LSKE

Denyo® The Denyo trademark is widely recognized as a brand, and is a registered trademark in 90 countries around the world.

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Power Source Technology for the future **Denyo**®

SOUNDPROOF DIESEL GENERATING SETS<ECO-BASE Type>

DCA-E Series



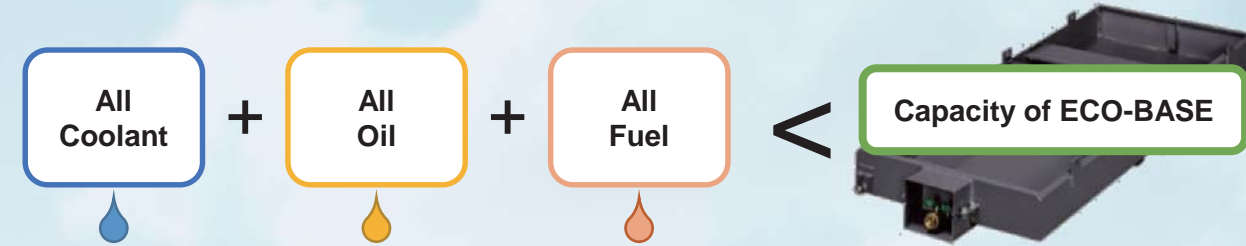
What is ECO-BASE?

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.



Expanded Spatial Capacity in ECO-BASE

DCA-E series is designed to keep out rainwater almost entirely during operation. Even if rainwater infiltrates inside the generator, it will be received into the ECO-BASE. It will collect large quantity of all liquids used in the equipment. The capacity is more than 100% of total volume of fuel, oil and coolant.



Advanced Function in ECO-BASE

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.



Fluid Level Warning Lamp

Quick and Easy Detachment

ECO-BASE can easily be detached by removing all bolts*.

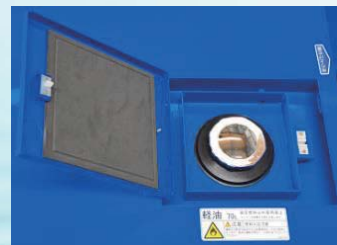
It is extremely easy to clean and maintain.

* DCA-25LSKE/25USIE/150LSKE/220LSIE/300LSKE



Spill Proof Re-fueling

The fuel filler door is designed to prevent infiltration of rainwater and fuel spilling during draining of fuel out of the generator.



Fuel Filler Door for DCA-25LSKE



Fuel Filler Door for DCA-45LSKE and above.

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.



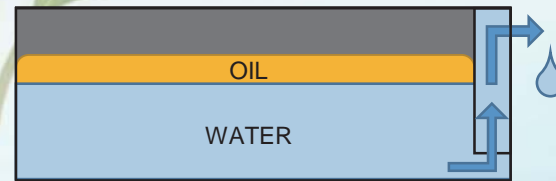
Large Caliber



Swivel-type Oil Drain

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.



Mechanism of Separating Oil and Water

Equipped With Clean Engine

"DCA-E Series" is compliant with Stage III of Japanese exhaust gas regulations and also designated "Super low noise construction equipment" or "Low noise construction equipment" by the MLIT Japan



SPECIFICATION TABLE (25kVA~125kVA CLASS SOUNDPROOF ECO-BASE TYPE)

MODEL	DCA-25LSKE		DCA-45LSKE		DCA-60LSIE		DCA-100LSIE		DCA-125LSIE		
AC Generator											
Frequency	Hz	50	60	50	60	50	60	50	60	50	60
Output Rating	Continuous	20	25	37	45	50	60	80	100	100	125
	Standby	22	27.5	38.9	47.3	55	66	88	110	110	138
No. of Phases		3-Phase, 4-Wire									
Rated Voltage	V	① or ③ Single Voltage			② Dual Voltage						
Power Factor		0.8(Lagging)									
Voltage Regulation	%	Within ±0.5									
Excitation		Brushless, rotating exciter(With A.V.R)									
Insulation		Class F									
Engine											
Model		Kubota D2403-K3A		Kubota V3800-DI-T-K3A		Isuzu BJ-4JJ1X		Isuzu BI-4HK1X		Isuzu BI-4HK1X	
Type		Inlined, Swirl Chambered		Inlined, Direct Injected Turbocharged		Common Rail, Inlined, Direct Injected, Turbocharged					
Output Rating	Ps/rpm	25.9/1500	32.2/1800	51.6/1500	62.0/1800	65.1/1500	77.6/1800	124.5/1500	154.5/1800	124.5/1500	154.5/1800
	kW/min ⁻¹	19.1/1500	23.7/1800	38.0/1500	45.6/1800	47.9/1500	57.1/1800	91.6/1500	113.6/1800	91.6/1500	113.6/1800
No. of Cylinders-Bore xStroke	mm	4-87x102.4		4-100x120		4-95.4x104.9		4-115x125		4-115x125	
Piston Displacement	L	2.434		3.769		2.999		5.193		5.193	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent									
Fuel Consumption ²	L/h	3.9	4.9	7.0	8.8	8.6	10.3	14.0	18.1	17.1	21.7
Lube Oil Sump Capacity	L	9.7		13.2		15.0		23.0		23.0	
Coolant Capacity	L	7.9		10.9		11.8		25.0		27.0	
Battery xQuantity		80D26R x1		115D31R x1		115D31R x1		170F51R x1			
Fuel Tank Capacity	L	70		110		140		300		300	
UNIT											
Dimensions	Length	mm		1540		1850		2090		2550	
	Width	mm		700		880		980		1080	
	Height	mm		1045		1350		1350		1600	
Eco Base Capacity	L	88		135		168		300		300	
Dry Weight	kg	660		1070		1260		1880		2020	
Sound Power Level											
7m dB(A)1500/1800rpm(min) ⁻³		61	63	55	59	59	63	61	64	60	63
LwA dB No load,60Hz		88●		85●		90●		91●		92●	
Exhaust gas regulations		Stage III(Japanese)									

*1 Rated Voltage Classification

Frequency	50Hz	60Hz
①	190-220V	200-240V
②	190-220V 380-440V	190-240V 380-480V
③	380-440V	380-480V

*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.

*4 Depending on location and area, output voltage may differ from values listed in catalog.

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DCA-25LSKE



DCA-45LSKE



DCA-60LSIE



DCA-100LSIE



DCA-125LSIE