

DENYO TIER 3 DIGITAL RANGE

Powerful, Low Emission Type and Eco Friendly

The DCA-LS series is equipped with Super Hi tech Clean Engine Systems in compliant with Japan's Stage 3 Reduction of Fuel Emission Regulations.

These tier 3 power generators are clean, quiet and capable of meeting carbon reduction requirements. Denyo DCA-LS series also feature CompAp's Digital Controller which allows you to now monitor, measure and program the generator even remotely.







InteliLite 4 MRS 16

Advanced Single Gen-set Controller for Prime-power Applications

- Backlit buttons
- 8 binary outputs, 8 + 1 binary inputs, 4 analogue inputs (U/I/R)
- +5V output reference for analogue inputs
- 2 high-current binary outputs
- USB Host
- Inbuilt RS485
- 2 slots for extension plug-in modules (Modbus, Internet, SMS, inputs/outputs)
- Extension CAN modules
- ECU support (Tier 4 Final, Stage V)
- RTC with battery back-up (full calendar)
- Power over USB for controller configuration
- 'Zero' power mode
- True RMS measurement
- In-built PLC, complemented with a PLC monitoring tool InteliConfig
- Full remote communications support (AirGate 2.0, WebSupervisor)
- Internet access using Ethernet/4G, Modbus TCP/RTU, SNMP v1/v2c
- Active SMS and emails
- Detailed history log with up to 350 records
- Dual Mutual Standby application support
- Compatible with remote display
- User setpoints and protections
- 5 languages in the controller and Translator functionality
- User Access Management
- Cyber security improvement
- Alternative configurations
- Multi-purpose schedulers
- Modbus register mapping
- Load shedding, dummy load management
- Optional Geofencing based on GPS position
- Cut-out: 187 mm × 132 mm



ECO FRIENDLY

Clean Engine Meeting Japan's Stringent Exhaust Gas Regulations

"DCA-LS Series" is compliant with Stage III of Japanese exhaust gas regulations by the MLIT Japan.

In line with Japan's exhaust gas reduction regulations, DCA-LS Generators are equipped with super-high-tech clean engine systems, including common-rail type fuel injectors,*¹ which inject fuel at the optimum pressure for the load by raising the fuel pressure, as well as Cooled Exhaust Gas Recirculation (EGR)², which is a technology that reduces NOx generation by returning some of the exhaust gas to the air supply line. A cooler is also installed in the exhaust returning line to cool down exhaust gases.

These power generators are clean, quiet, and capable of meeting increasingly stringent environmental requirements. Further, we have adopted Positive Crankcase Ventilation (PCV) type engines that generate no blow-by gas. (Isuzu and Kubota engines are used.) There are also other series of power generators equipped with our original blow-by gas treatment systems that can keep the insides of the generators clean.

*1 Equipped DCA-60LS and above.

*2 Equipped DCA-45LS and above (except DCA-150LS)

Quiet operation

Exceptionally quiet operation accomplished through the use of state-of-the-art soundproofing technology . "DCA-LS Series" is designated "Super low noise construction equipment" or "Low noise construction equipment" by the MLIT Japan.

HIGH PERFORMANCE

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 invertor 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.

Parallel Operation Feature (DCA-125LS and above.)

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 meetthis requirement Denyo's DCA-LS 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.

Dual Voltage System (DCA-45LS/60LS/DCA-100LS and above.)

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

Generators Equipped with Electronic Governors

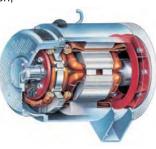
Equipped with electronic governors that control the engine speed electronically, our generators can maintain a constant RPM regardless of the amount of load applied (isochronous control*1). You can shift the control method to droop control if the purpose of use so requires, and you can control the speed using switches in a control box.^{*2}

*1: Only isochronous control mode is available for DCA-25LS and 45LS.

*2: Power generators from DCA-60LS to 400LS series are set to droop control upon shipment from the plant.

* Power generators above DCA-60LS class are equipped with a control mode change switch.











HIGH DURABILITY

Durable Generators Withstanding Long-Term Wear

We develop, manufacture, and assemble all components other than the engines ourselves. We perform stringent durability tests and quality inspections with the assumption that the generators will be used under severe conditions, and so they boast outstanding quality and durability.

Salt Damage-Resistant Specification

Assuming that power generators will be used at offshore construction sites or coastal sites, all of our generators use a cation electrodeposition coating method for high rust resistance. In addition, rust-resistant tightening bolts are used, and stainless bolts are used for all generators above DCA-220LS.

For DCA-300LS and DCA-400LS, insulation performance deterioration prevention treatment is applied to generators and controlling components. The bonnets are coated

with chlorine-resistant paint, and caulking treatment is performed as a standard.

(The above treatment is available for generators of other series as an option.)

SAFETY DEVICE

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	0	-	0
High jacket water temp.	0	—	0
Over current of generator	_	0	_
Earth leakage	—	0	0
Fuel level failure	_	_	0
Air element blinding	—	—	0
Over speed	0	_	○*1

*Except DCA-25LS

Earth Leakage Relay

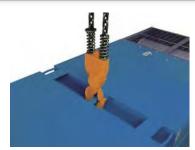
To prevent electric shock, it is recommended that these generators are equipped with leakage detectors and a relay circuit breaker.

Engine Failure Diagnosis Device

DCA-150LS, DCA-300LS, and DCA-400LS are each equipped with a failure diagnosis device, and in the event of engine failure, the monitor will display 80 failure factors. This system enables you to immediately identify the damaged portions and restore the failures smoothly.(Failures are indicated with preheat display lamps for DCA-25 to 45, and with flashing light patterns on the control boxes for DCA-60LS, 100LS, 125LS, and 220LS.)

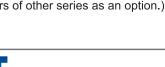
RANSPORTABIL

- -The new designs of the DCA Series range have achieved significant size and weight reductions over previously producted models, through improvements in coupling techniques and alternator design.
- -The sturdy weatherproof steel bonnet on a heavy-duty steel skid base allows easy handling by a forklift.
- -The balance point lifting hook (lug) fitted on the roof of each machine facilitates easy transportation using a crane.
- -All models are modular designed, so that generators can be stacked, thereby making the best use of your valuable storage area.











MAINTENANCE

Large Doors & One-Touch Handles

We have adopted large doors for easy daily inspection and maintenance. The doors have one-touch handles, making them smooth to open and close. They are also equipped with a key lock system.

Easy Daily Maintenance

We have adopted a one-side maintenance system to allow daily maintenance on one side, including maintenance of engine oil, batteries, and cooling water, etc.

Easy Cleaning of Radiators

The open/close-type front covers we have adopted make it easy to clean the radiators without removing them.

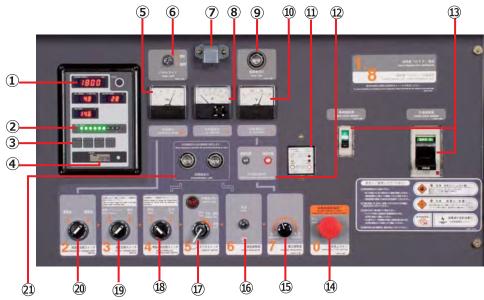




OPERABILITY

- Operation switches and meters are arranged functionally, and a one-panel system has been adopted so that the equipment is easy to understand and operate even for people who are unfamiliar with it. Every generator is also equipped with a high-visibility digital engine monitor as a standard.
- -The control panel switches are arranged in accordance with operation procedures, and each switch has a number, so that anybody can switch them on and off safely and without error.
- -Thanks to the electronic governor system, you can change the engine speed with just a single touch of a switch instead of the conventional lever operation.

FULLY APPOINTED CONTROL PANELS FOR EASE OF USE AND MONITORING GENERATOR PERFORMANCE.



- (1) Indicator Engine Speed, Oil Press., Water Temp., Battery
- 2 Fuel Level Indicator
- 3 Warning Lamp
- Oil Pressure, Water Temperature, Air Filter, Over Speed (4) Hour Meter
- **(5)** Frequency Meter
- (6) Panel Light Switch
- (7) Panel Light
- 8 AC Ammeter
- **9** Pilot Lamp
- 10 Voltmeter
- (11) Earth Leakage Relay
- (12) Output Voltage Indication Lamp
- (13) Circuit Breaker(1-Phase,3-Phase)
- 14 Emergency Stop Button
- 15 Voltage Regulator
- (16) Speed Regulator
- (17) Starter Switch
- 18 Single-Parallel Change Over Switch
- 19 Speed Change Over Switch
- 20 Frequency Change Over Switch
- (1) Synchronizing Lamp

SPECIFICATION TABLE (25kVA~125kVA CLASS SOUNDPROOF TYPE)

SPECIFICA	IIONI	ABLE	(25kVA~	125kVA C	LASS SOL	JNDPROO	F TYPE)				
MODEL	DCA-2	25LSK	DCA-4	5LSK	DCA-	60LSI	DCA-1	00LSI	DCA-1	25LSI	
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	
kVA ^{*1} Standby	22	27.5	38.9	47.3	55	66	88	110	110	138	
No. of Phases					3-Phas	se,4-Wire					
Rated Voltage ^{*2} V					50Hz:190~22 50Hz:190~24						
Power Factor					0.8(L	agging)					
Voltage Regulation %					With	in ±0.5					
Excitation				Brus	hless ,rotatir	ng exciter(W	'ith A.V.R)				
Insulation					Cla	ss F					
Engine											
Model	odel Kubota V2403-K3A			bota DI-T-K3A		uzu 1JJ1X		izu HK1X	lsuzu BI-4HK1X		
Туре		ined, hambered	Inlined, Dir Turboch	ect Injected harged	Comm	ion Rail, I nlin	ed,Direct Inje	ected, Turboo	charged	ırged	
Output Rating	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×Stroke mm	4-87	×102.4	4-100×120		4-95.4×104.9		4-115×125		4-11	5×125	
Piston Displacement L	2.	434	3.1	769	2.	999	5.1	193	5.	5.193	
Fuel				AST	M No. 2 Die	sel Fuel or E	Equivalent				
Fuel Consumption*3 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	9.7	1:	3.2	15	5.0	23	.0	23.0		
Coolant Capacity L	7	' .9	1().9	1	1.8	25	.0	27	.0	
Battery×Quantity	80D	26R×1		115D	31R×1			170F	51×1		
Fuel Tank Capacity L	-	70	1	00	14	40	22	25	2	50	
UNIT											
Length mm		540		350)90	25	550	26	50	
Dimensions Width mm	7	00	8	80	9	50	10	080	10	080	
Height mm	9	50	12	250	12	280		500		500	
Dry Weight kg		615		85	11	160	17	70	19	920	
Sound Power Leve	-										
7m dB(A) 1500/1800rpm(min-1)*4		64	58	61	61	65	60	64	60	64	
LwA dB No load.60Hz	89	9●	87	7 •		1	92	20	92	20	
Exhaust gas regulations					Stage 📗	(Japanese)					

Exhaust gas regulations Stage III (Japanese)

* 1 Depending on voltage, output rating(kVA) may differ from values listed in catalog. * 2 Depending on location and area, output voltage may differ from values listed in catalog. * 3 Fuel consumption is based on operation at 75% load. * 4 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source.

• Super low noise construction equipment designated by the MLIT Japan



DCA-25LSK



DCA-45LSK



DCA-60LSI





DCA-125LSI

SPECIFICATION TABLE (150kVA ~ 400kVA CLASS SOUNDPROOF TYPE)

MODEL	DCA-150LSK DCA-220LSI DCA-300LSK						DCA-400LSK		
AC Generator									
Frequency Hz	50	60	50	60	50	60	50	60	
Output Rating Continuous	125	150	200	220	270	300	350	400	
kVA*1 Standby	138	165	220	242	297	330	385	440	
No. of Phases				3-Pha	se,4-Wire				
Rated Voltage ^{*2} V				50Hz:190~22 60Hz:190~24					
Power Factor				0.8(L	.agging)				
Voltage Regulation %				With	iin ±0.5		With	in ±1.0	
Excitation			E	Brushless ,rotati	ng exciter(With	A.V.R)	•		
Insulation				Cla	iss F				
Engine									
Model		natsu 0107E-1-C		uzu 6UZ1X	Komatsu SAA6D125E-5-B		Komatsu SAA6D140E-5-C		
Туре			Common Rail,Inlined,Direct Injected,Turbocharged						
Output Rating Ps/rpm	153.6/1500	183.6/1800	276/1500	312/1800	318.2/1500	352.2/1800	421.6/1500	485.5/1800	
kW/min ⁻¹	113/1500	135/1800	203/1500	230/1800	234/1500	259/1800	310/1500	357/1800	
No.of Cylinders-Bore×Stroke mm	6-107	×124	6-12	0×145	6-125×150		6-140×165		
Piston Displacement L	6.	.69	9.8	839	11.04		15.24		
Fuel			/	ASTM No. 2 Die	sel Fuel or Equi	valent			
Fuel Consumption*3 L/h	24.2	30.7	33.1	36.0	45.7	52.0	58.9	70.4	
Lube Oil Sump Capacity L	24	4.8	41	1.0	61		84		
Coolant Capacity L	2	5.4	41	1.6	54	1.4	62	2.5	
Battery×Quantity	95E4	41R×2		145G51×2	or 155G51×2		190H52×2	or 210H52×2	
Fuel Tank Capacity L	2	50	3	80		4	90		
UNIT					•				
Length mm	32	250	36	500	40	000	45	500	
Dimensions Width mm	10	080	13	350	14	170	15	500	
Height mm	15	550	16	650	18	300	21	00	
Dry Weight kg	23	390	34	130	46	650	60	40	
Sound Power Level		-		-	-		-		
7m dB(A) 1500/1800rpm(min ⁻¹)*4	61	65	62	66	67	71	66	71	
LwA dB No load.60Hz	94	1•	93	3•	10	00	10	00	
Exhaust gas regulations				Stage II	(Japanese)				

*1 Depending on voltage, output rating(kVA) may differ from values listed in catalog. *2 Depending on location and area,output voltage may differ from values listed in catalog. *3 Fuel consumption is based on operation at 75% load. *4 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source.

•: Super low noise construction equipment designated by the MLIT Japan 🛛 : Low noise construction equipment designated by the MLIT Japan





DCA-150LSK





DCA-220LSI

ECO-BASE TYPE DCA-LSE 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.

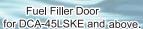
* DCA-25LSKE/25USIE/150LSKE/220LSIE/300LSKE

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



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.



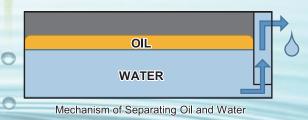


Large Caliber

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.



SPECIFICATION TABLE (25kVA~60kVA CLASS SOUNDPROOF ECO-BASE TYPE)

MODEL	DCA-2	5LSKE	DCA-4	5LSKE	DCA-45	LSKE2	DCA-60LSIE	
AC Generator	ł							
Frequency Hz	50	60	50	60	50	60	50	60
Dutput Rating Continuous	20	25	37	45	37	45	50	60
kVA ^{*1} Standby	22	27.5	38.9	47.3	38.9	47.3	55	66
No. of Phases				3-Phas	e,4-Wire			
Rated Voltage ^{*2} V					20 / 380~440 40 / 380~480			
Power Factor				0.8(L	agging)			
Voltage Regulation %				With	in ±0.5			
Excitation			В	rushless ,rotatir	ng exciter(With	A.V.R)		
Insulation				Cla	ass F			
Ingine								
Model	Kubata			bota DI-T-K3A	Ku V3600	bota -T-K3A	lsuzu BJ-4JJ1X	
Туре		ned, hambered	Inlined, Dir Turboo	rect charged		Inlined, Swirl Chambered Turbocharged		Inlined,Direc ocharged
Output Rating Ps/rpm	25.9/1500	32.2/1800	51.6/1500	62.0/1800	43.6/1500	53.3/1800	65.1/1500	77.6/1800
kW/min-1	19.1/1500	23.7/1800	38.0/1500	45.6/1800	32.1/1500	39.2/1800	47.9/1500	57.1/1800
lo.of Cylinders-Bore×Stroke mm	4-87	×102.4	4-100×120		4-98×120		4-95.4	4×104.9
Piston Displacement L	2.	434	3.	769	3.	620	2.	999
Fuel			1	No. 2 Diesel Fu		1	1	
Fuel Consumption ^{*3} L/h	3.9	4.9	7.0	8.8	7.2 9.0		8.6 10.3	
ube Oil Sump Capacity L		.7		13	3.2		15	5.0
Coolant Capacity L		.9).9		11	.8
Battery×Quantity		26R×1			31R×1		115D	31R×1
Fuel Tank Capacity L		70		1	10		14	10
	41	- 40	1					00
Length mm		540 00			350		20	
Dimensions Width mm)45			80		98	50 50
Height mm		38		13	10			
Dry Weight kg		60	135 1070 1060					60
ound Power Leve		00	1 10	10	<u> </u>	JOU	112	00
7m dB(A) 1500/1800rpm(min ⁻¹)*	61	63	55	59	58	60	59	63
_wA dB No load.60Hz		8●		5 •		50		
Exhaust gas regulations			· · · · · ·	· •	III(Japanese)			

*1 Depending on voltage, output rating(kVA) may differ from values listed in catalog. *2 Depending on location and area,output voltage may differ from values listed in catalog. *3 Fuel consumption is based on operation at 75% load. *4 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source. •: Super low noise construction equipment designated by the MLIT Japan









DCA-60LSIE

SPECIFICATION TABLE (100kVA ~ 220kVA CLASS SOUNDPROOF ECO-BASE TYPE)

MODEL		DCA-1	OOLSIE	DCA-1	25LSIE	DCA-15	50LSKE	DCA-220LSIE		
AC Generate	or									
Frequency	Hz	50	60	50	60	50	60	50	60	
Output Rating Co	ontinuous	80	100	100	125	125	150	200	220	
kVA*1 St	tandby	88	110	110	138	138	165	220	242	
No. of Phases	3				3-Phase	· · · · · · · · · · · · · · · · · · ·				
Rated Voltage	e ^{∗2} V				50Hz:190~22 60Hz:190~24					
Power Factor					0.8(La	igging)				
/oltage Regul	lation %				Withi	n ±0.5				
Excitation				Ві	rushless ,rotatin	g exciter(With	A.V.R)			
nsulation					Clas	ss F				
ngine										
Vodel	Nodel Isuzu BI-4HK1X				uzu HK1X		natsu 107E-1-C	lsuzu BH-6UZ1X		
Гуре				Common	n Rail, Inlined, Dir	ect Injected, Tu	bocharged			
Output Rating	Ps/rpm	124.5/1500	154.5/1800	124.5/1500	154.5/1800	153.6/1500	183.6/1800	276/1500	312/1800	
Julput Nating	kW/min ⁻¹	91.6/1500	113.6/1800	91.6/1500	113.6/1800	113/1500	135/1800	203/1500	230/1800	
lo.of Cylinders-Bore	e×Stroke mm	4-115	5×125	4-115	5×125	6-107	′×124	6-1	20×145	
Piston Displace	ement L	5.2	193	5.1	193	6.	69	9.839		
Fuel					TM No. 2 Diesel	Fuel or Equiva	ent			
uel Consump	tion ^{*3} L/h	14.0	18.1	17.1	21.7	24.2	30.7	33.1	36.0	
ube Oil Sump Ca	apacity L	23	3.0	23	3.0	24.8		41.0		
Coolant Capac	ity L	25	5.0	27	7.0	25	5.4	4	1.6	
Battery×Quan	ntity	170F	51×1	170F	51×1	95E4	1R×2	145G51×2 (or 155G51×2	
Fuel Tank Capa	acity L	2	50	2	50	25	50	4	00	
NIT										
	ength mm	25			50		250		600	
	/idth mm	10			080		50		350	
	eight mm		00		600	1650		1750		
Eco Base Capa	-	29			00	<u>300</u> 2550		487		
Dry Weight ound Powe	kg	18	80	20)20	25	000	3	710	
7m dB(A) 1500/180		61	64	60	63	63	66	63	65	
III (A) 1000/100	1 ()				2	94				
wA dB No loa	ad 60Hz	91	1	1 u	20	u/i			93	

*1 Depending on voltage, output rating(kVA) may differ from values listed in catalog. *2 Depending on location and area, output voltage may differ from values listed in catalog. *3 Fuel consumption is based on operation at 75% load. *4 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source. •: Super low noise construction equipment designated by the MLIT Japan •: Low noise construction equipment designated by the MLIT Japan









DCA-220LSIE

SPECIFICATION TABLE(300kVA~400kVA CLASS SOUNDPROOF ECO-BASE TYPE)

MODEL	DCA-3	00LSKE	DCA-40	OLSKE	DCA-40	DOLSIE	
AC Generator							
Frequency Hz	50	60	50	60	50	60	
Output Rating Continuous	270	300	350	400	350	400	
kVA ^{*1} Standby	297	330	385	440	385	440	
No. of Phases			3-Phase	,			
Rated Voltage ^{*2} V			50Hz:190~220 60Hz:190~240				
Power Factor			0.8(La	igging)			
Voltage Regulation %			Withir	า ±0.5			
Excitation			Brushless ,rotatir	ng exciter(With A.V.F	२)		
Insulation			Clas		,		
ingine							
Model	Kom SAA6D1		Kom SAA6D1		Isuzu BH-6WG1X		
Туре		Comr	non Rail,Inlined,Direc	t Injected, Turbochai	rged		
Ps/rpm	318.2/1500	352.2/1800	421.6/1500	485.5/1800	420.2/1500	470.4/1800	
Dutput Rating kW/min ⁻¹	234/1500	259/1800	310/1500	357/1800	309/1500	346/1800	
lo.of Cylinders-Bore×Stroke mm	6-12	5×150	6-140>	<165	6-147	×154	
Piston Displacement L	11	.04	15.2	24	15.681		
Fuel			ASTM No. 2 Diesel	Fuel or Equivalent			
Fuel Consumption ^{*3} L/h	45.7	52.0	58.9	70.4	57.0	67.3	
ube Oil Sump Capacity L	6	1	84	Ļ	55		
Coolant Capacity L	54	.4	62.	5	60		
Battery×Quantity		145G51×2	or 155G51×2		190H52×2c	or 210H52×2	
Fuel Tank Capacity L			49	0			
INIT							
Length mm	40	00	450	00	46	00	
Dimensions Width mm	14	70	150	00	14	-50	
Height mm	18	50	225	50	22	:00	
Eco Base Capacity L	61	2	684	4	67	79	
Dry Weight kg	49	00	636	60	54	-80	
ound Power Level							
7m dB(A) 1500/1800rpm(min ⁻¹)*4	68	72	66	71	65	68	
LwA dB No load.60Hz	100	0	100		9	6 O	
Exhaust gas regulations			Stage III	(Japanese)			

*1 Depending on voltage, output rating(kVA) may differ from values listed in catalog. *2 Depending on location and area,output voltage may differ from values listed in catalog. *3 Fuel consumption is based on operation at 75% load. *4 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source. •: Super low noise construction equipment designated by the MLIT Japan •: Low noise construction equipment designated by the MLIT Japan



Other Options

- The following options are also available:
- Reverse power relay
- For DCA-125LS and above.
- AC power meter For DCA-125LS and above.
- Bearing/stator temperature gauge For DCA-125LS and above.
- Lubricant temperature gauge
 Provided as standard feature for DCA-220LS and above.
- Keyed fuel tank cap For DCA-25LSKE,25LSK to 400LSK
 Provided as standard feature for DCA-45LSKE to 400LSKE, DCA-25LSKB to 220LSIB



Keyed rear door



– 3 way valve



- Mounting of muffler flange



*Other options for different ranges and operating capabilities are available. Please feel free to consult with Denyo.

* Some options may not be available depending upon the model. Confirm the details with a Denyo sales person.

HOW TO SELECT A GENERATOR

Range of motor capacities that can be used with Denyo generators.

Choosing generator output according to motors and other loads is made simple by referring to the motor capacity range and generator output in this table.

Item		DCA-25		DCA-45		DCA-60		DCA-100		DCA-125	
Frequency (Hz)		50	60	50	60	50	60	50	60	50	60
EG capacity (kVA)		20	25	37	45	50	60	80	100	100	125
	Direct startup	6.3	7.6	12.3	14.9	16	20.5	27.2	34.5	34.5	42.5
Motor capacity (kW)	Y- $ riangle$ startup (1)	9.5	11.4	18.5	22.4	24	30.8	40.8	51.8	51.8	63.8
	Y- $ riangle$ startup (2)	15.7	19.5	28.2	34.3	38.4	46	62	68	68	97

Item		DCA	-150	DCA	-220	DCA	-300	DCA	-400
Frequency (Hz)		50	60	50	60	50	60	50	60
EG capacity (kVA)		125	150	200	220	270	300	350	400
	Direct startup	42.5	51	68	76	91	102	119	136
Motor capacity(kW)	Y-∆ startup (1)	63.8	76.5	102	114	136	153	179	204
	Y-A startup (2)	97	115	154	172	208	231	270	308

Motor usage examples in the above table are benchmark values : generator capacity will differ according to the required momentary voltage drop, motor load factor, and size of startup capacity, as well as motor age and efficiency.

Notes

- Momentary voltage drop when a motor starts up is assumed to be within 30% of no- load voltage.

- Motor startup kVA is assumed to be 7kVA per 1kW.
- Motor efficiency is assumed to be 85%, and load factor about 90%.

— Values shown for Y-△ startup (1) and Y-△ startup (2) are open and closed, respectively; needed generator capacity differs depending on startup state.

- Not appropriate for determining the capacity of emergency generating equipment (especially disaster-prevention generating equipment).

