

SPECIFICATION TABLE (13kVA~45kVA CLASS SOUNDPROOF TYPE)

MODEL	DCA-13ESK	DCA-13ESY	DCA-15ESK	DCA-20ESK	DCA-25ESK	DCA-25ESI	DCA-35SPK	DCA-45ESI	DCA-45ESH
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ALTERNATOR

Frequency	Hz	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60		
Output Rating(kVA)	Continuous	10.5	13	10.5	13	12.5	15	17	20	20	25	20	25	30	35	37	45	37	45		
	Standby	11	13.7	11.5	14	13.8	16.5	18.7	22	22	27.5	22	27.5	31.5	36.75	38.9	47.3	38.9	47.3		
No. of Phases		3-Phase, 4-Wire																			
Rated Voltage*1	V	① or ③ Single Voltage						② Dual Voltage				① or ③ Single Voltage		② Dual Voltage		③ Single Voltage (Dual Voltage is an option)					
Power Factor		0.8 (Lagging)																			
Voltage Regulation	%	Within ±0.5																			
Excitation		Brushless, Rotating Exciter (With A.V.R.)																			
Insulation		Class F														Class H		Class F			

ENGINE

Make & Model	Kubota D1403-KA	Yanmar 3TNV84-G	Kubota D1703-KB	Kubota V2203-KB	Kubota V2203-KB	Isuzu AA-4LE2	Kubota V3300-EB	Isuzu BB-4JG1T	Hino W04D-K										
Type	Inlined, Swirl Chambered	Inlined, Direct Injected	Inlined, Swirl Chambered			Inlined, Direct Injected	Inlined, Swirl Chambered	Inlined, Direct Injected, Turbocharged	Inlined, Direct Injected										
Output Rating	PS/rpm	13.7/1500, 16.9/1800	15.3/1500, 18.3/1800	13.8/1500, 16.5/1800	21.5/1500, 25.6/1800	25/1500, 32.2/1800	26/1500, 32/1800	38.5/1500, 44.1/1800	46.5/1500, 56/1800	46.5/1500, 57/1800									
	kW/min ⁻¹	10.2/1500, 12.4/1800	11.3/1500, 13.5/1800	12.4/1500, 14.7/1800	15.8/1500, 18.8/1800	18.4/1500, 23.7/1800	19.1/1500, 23.5/1800	28.3/1500, 32.4/1800	34.2/1500, 41.2/1800	34.2/1500, 41.9/1800									
No. of Cylinders-Bore×Stroke	mm	3-80×92.4	3-84×90	3-87×92.4	4-87×92.4	4-87×92.4	4-85×96	4-98×110	4-95.4×107	4-104×118									
Piston Displacement	L	1.393	1.496	1.647	2.197	2.197	2.179	3.318	3.059	4.009									
Fuel		ASTM No. 2 Diesel Fuel or Equivalent																	
Fuel Consumption*2	L/h	2.4	2.9	2.1	2.6	2.8	3.4	3.6	4.3	3.9	4.9	3.3	4.2	5.8	6.9	6.3	7.8	6.5	8.0
Lube Oil Sump Capacity	L	5.6	6.7	5.6	7.6	7.6	8.5	13.2	10	16.5									
Coolant Capacity	L	6.4	3.9	6.4	7.9	7.9	6.6	10.5	10.9	12.2									
Battery×Quantity		80D26R×1						95D31R×1			80D26R×2								
Fuel Tank Capacity	L	62						70			82		100						

UNIT

Dimensions	Length mm	1390	1390	1390	1540	1540	1540	1900	1900	2000
	Width mm	650	650	650	650	650	680	860	880	880
	Height mm	900	900	900	900	900	900	990	1250	1250
Dry Weight	kg	503	490	516	579	591	564	890	960	1180

SOUND LEVEL

7m dB (A) 1500/1800 rpm (min ⁻¹)*3	58	61	61	62	60	63	62	64	62	64	60	64	60	63	60	62	59	61
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*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
④	190~220V (380~440V)	200~240V (380~480V)

() indicates options.

*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.



DCA-13ESK



DCA-20ESK



DCA-25ESK



DCA-25ESI



DCA-45ESH