

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

MODEL	DCA-13LSK	DCA-13LSY	DCA-15LSK	DCA-20LSK	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			
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	①or③ Single Voltage								②Dual Voltage				①or③ Single Voltage		②Dual Voltage		④Single 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-K3A		Yanmar 3TNV84-G		Kubota D1703-K3A		Kubota V2203-K3A		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	16.9/1500	20/1800	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	580	591	564	890	960	1180

SOUND LEVEL

7m dB (A) 1500/1800 rpm (min ⁻¹)*3	58	61	61	62	60	63	61	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-13LSK



DCA-15LSK



DCA-20LSK



DCA-25ESI



DCA-45ESH

SPECIFICATION TABLE(60kVA~150kVA CLASS SOUNDPROOF TYPE)

MODEL	DCA-60ESH	DCA-60ESI2	DCA-75SPI	DCA-100ESI	DCA-125ESM	DCA-125SPK3	DCA-150ESH	DCA-150ESK	DCA-150ESM
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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	50	60	50	60	65	75	80	100	100	125	100	125	125	150	125	150	125	150
	Standby	55	66	55	66	68.3	78.8	88	110	110	138	110	138	138	165	138	165	138	165
No.of Phases		3-Phase,4-Wire																	
Rated Voltage* ¹	V	④Single Voltage (Dual Voltage is an option)		②Dual Voltage															
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		Hino W04D-TG		Isuzu BB-4BG1T		Isuzu A-6BG1		Isuzu DD-6BG1T		Mitsubishi 6D16-TLE2D		Komatsu SA6D102E-1-A		Hino JO8C-UD		Komatsu SAA6D102E-2-D		Mitsubishi 6D16-TLE2D		
Type		Inlined,Direct Injected, Turbocharged				Inlined,Direct Injected		Inlined,Direct Injected, Turbocharged		Inlined,Direct Injected, Turbocharged, Aftercooled										
Output Rating		PS/rpm	66/1500	78/1800	65/1500	77/1800	80/1500	93/1800	100/1500	124/1800	145/1500	166/1800	133/1500	157/1800	153/1500	183/1800	153/1500	183/1800	153/1500	183/1800
		kW/min ⁻¹	48.5/1500	57.4/1800	47.9/1500	57.1/1800	58.8/1500	68.4/1800	73.6/1500	91.3/1800	107/1500	122/1800	97.8/1500	115.5/1800	113/1500	135/1800	113/1500	135/1800	113/1500	135/1800
No.of Cylinders-Bore×Stroke		mm	4-104×118		4-105×125		6-105×125		6-105×125		6-118×115		6-102×120		6-114×130		6-102×120		6-118×115	
Piston Displacement		L	4.009		4.329		6.494		6.494		7.540		5.880		7.961		5.880		7.540	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent																		
Fuel Consumption*2		L/h	8.8	10.6	8.7	11.0	10.8	12.5	13.5	17.4	16.5	20.7	15.5	20.1	19.3	23.9	20.6	25.0	19.8	24.0
Lube Oil Sump Capacity		L	16.5		13.2		19.3		22.4		16		22		24.5		22		16	
Coolant Capacity		L	12.2		15.4		22.9		22.0		26.3		23.9		22.9		28.4		26	
Battery×Quantity			80D26R×2		120E41R×1		95E41R×2		95D31R×2		95E41R×2									
Fuel Tank Capacity		L	125		125		155		225		250									

UNIT

Dimensions	Length mm	2050	2200	2630	2750	3280	3000	3200	3250	3350
	Width mm	880	880	1000	1050	1080	1080	1180	1080	1080
	Height mm	1250	1250	1300	1350	1500	1500	1500	1500	1500
Dry Weight	kg	1240	1120	1590	1730	2290	2120	2360	2390	2450

SOUND LEVEL

7m dB (A) 1500/1800 rpm (min ⁻¹)*3	61	64	61	64	61	63	59	61	61	66	63	66	61	64	62	65	62	67
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*1 Rated Voltage Classification

FREQUENCY	50Hz	60Hz
	② 190~220V 380~440V	190~240V 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-60ESI2



DCA-100ESI



DCA-125SPK3



DCA-150ESK



SPECIFICATION TABLE(200kVA~500kVA CLASS SOUNDPROOF TYPE)

MODEL	DCA-220ESM	DCA-220SPK3	DCA-300SPK3	DCA-400ESM	DCA-400SPKII	DCA-500SPK	DCA-500ESM
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ALTERNATOR

Frequency		Hz	50	60	50	60	50	60	50	60	50	60	50	60	50	60
Output Rating(kVA)	Continuous		200	220	200	220	270	300	350	400	350	400	450	500	450	500
	Standby		220	242	220	242	297	330	385	440	385	440	495	550	495	550
No.of Phases			3-Phase,4-Wire													
Rated Voltage*1		V	②Dual Voltage													
Power Factor			0.8 (Lagging)													
Voltage Regulation		%	Within ±0.5						Within ±1.0				Within ±0.5			
Excitation			Brushless,Rotating Exciter (With A.V.R.)													
Insulation			Class F													

ENGINE

Make&Model		Mitsubishi 6D24-TLE2B		Komatsu S6D125E-2-A		Komatsu SA6D125E-2-A		Mitsubishi S6B3-E2PTAA-3		Komatsu SA6D140-A		Komatsu SA6D170-B		Mitsubishi S6A3-E2PTAA-1	
Type		Inlined,Direct Injected, Turbocharged,Aftercooled		Inlined,Direct Injected, Turbocharged		Inlined,Direct Injected,Turbocharged,Aftercooled									
Output Rating	PS/rpm	246/1500	270/1800	242/1500	277/1800	316/1500	350/1800	420/1500	470/1800	421/1500	485/1800	520/1500	580/1800	519/1500	581/1800
	kW/min ⁻¹	181/1500	199/1800	178/1500	204/1800	232/1500	257/1800	309/1500	346/1800	310/1500	357/1800	382/1500	427/1800	382/1500	427/1800
No.of Cylinders-Bore×Stroke mm		6-130×150		6-125×150				6-135×170		6-140×165		6-170×170		6-150×175	
Piston Displacement L		11.940		11.040				14.600		15.240		23.150		18.560	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent													
Fuel Consumption*2 L/h		33.7	38.1	31.5	35.7	43.6	50.0	54.8	67.4	52.1	60.8	69.5	83.1	67.6	78.3
Lube Oil Sump Capacity L		37		42		62		85		74		119		100	
Coolant Capacity L		42		36		37		69.4		64		92.5		114.5	
Battery×Quantity		145G51×2						190H52×2							
Fuel Tank Capacity L		380				490									

UNIT

Dimensions	Length mm	3700	3650	3750	4500	4200	5480(5000)*3	5280(4800)*3
	Width mm	1300	1300	1400	1400	1400	1650	1650
	Height mm	1750	1750	1800	2100	2100	2400	2400
Dry Weight	kg	3630	3670	4160	5610	5420	8540	7920

SOUND LEVEL

7m dB (A) 1500/1800 rpm (min ⁻¹)*4	61	63	63	65	68	71	65	69	67	68	68	71	65	69
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*1 Rated Voltage Classification

Frequency	50Hz	60Hz
②	190~220V 380~440V	190~240V 380~480V

() indicates options.

*2 Fuel consumption is based on operation at 75% load.

*3 Shown unit lengths are with visor. (without visor)

*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.

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



DCA-220ESM



DCA-400ESM



DCA-400SPK II



DCA-500SPK

SPECIFICATION TABLE(600kVA~1100kVA CLASS SOUNDPROOF TYPE)

MODEL	DCA-600SPV	DCA-600SPK	DCA-610SPM	DCA-800SPK	DCA-800SPM	DCA-1100SPM	DCA-1100SPC
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ALTERNATOR

Frequency	Hz	50	60	50	60	50	60	50	60	50	60	50	60	50	60
Output Rating(kVA)	Continuous	550	600	550	600	554	610	700	800	700	800	1000	1100	1000	1100
	Standby	605	660	605	660	554	610	770	880	770	880	1100	1210	1100	1210
No.of Phases		3-Phase,4-Wire													
Rated Voltage*1	V	②Dual Voltage										③Single Voltage			
Power Factor		0.8(Lagging)													
Voltage Regulation	%	Within ±0.5													
Excitation		Brushless,Rotating Exciter(With A.V.R.)													
Insulation		Class F										Class H			

ENGINE

Make&Model		VOLVO TAD1642GE		Komatsu SA6D170A		Mitsubishi S6R-PTA		Komatsu SA12V140		Mitsubishi S12A2-PTA		Mitsubish S12H-PTA		Cummins QST30-G4	
Type		Inlined Direct InjectedTurbocharged,Aftercooled								V12 Direct InjectedTurbocharged,Aftercooled					
Output Rating	PS/rpm	659/1500	723/1800	639/1500	698/1800	762/1500	768/1800	834/1500	1000/1800	830/1500	920/1800	1209.2/1500	1292.5/1800	1196/1500	1369/1800
	kW/min ⁻¹	485/1500	532/1800	470/1500	513/1800	517/1500	565/1800	613/1500	736/1800	610/1500	677/1800	890/1500	950/1800	880/1500	1007/1800
No.of Cylinders-Bore×Stroke mm		6-144×165		6-170×170		6-170×180		12-140×165		12-150×160		12-150×175		12-140×165	
Piston Displacement L		16.120		23.150		24.500		30.480		33.93		37.110		30.48	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent													
Fuel Consumption*2 L/h		81.2	91.7	81.8	93.7	82.0	96.4	102	120	103	125	154	180	144	167
Lube Oil Sump Capacity L		93		119		92		151		120		200		154	
Coolant Capacity L		48		112		118		170		205		244		234	
Battery×Quantity		190H52×2						190H52×4							
Fuel Tank Capacity L		490						800							

UNIT

Dimensions	Length mm	5180(4700)*3	5580(5100)*3	5280(4800)*3	6110(5500)*3	6210(5600)*3	6610(6000)*3	6610(6000)*3
	Width mm	1650	1650	1650	1950	1950	2350	2200
	Height mm	2400	2400	2400	2500	2500	2950	2790
Dry Weight	kg	7535	8860	8700	11200	11350	14500	12700

SOUND LEVEL

7m dB (A) 1500/1800 rpm (min ⁻¹)*4	72	75	67	71	69	72	70	72	67	69	72	74	71	75
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*1 Rated Voltage Classification			*5	
Frequency	50Hz	60Hz		
②	190~220V 380~440V	190~240V 380~480V		
③	380~440V	380~480V		

() indicates options.

1[PS]=735.5[w]
=735.5[kw]

* 2 Fuel consumption is based on operation at 75% load.
* 3 Shown unit lengths are with visor. (without visor)
* 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.
* 5 Depending on location and area,output voltage may differ from values listed in catalog.



DCA-600SPV



DCA-800SPM



DCA-1100SPC

SPECIFICATION TABLE (25kVA~150kV CLASS SUPER SOUNDPROOF TYPE)

MODEL	DCA-25USI2	DCA-45USI2	DCA-60USH2	DCA-100USI	DCA-125USH	DCA-150USK
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ALTERNATOR

Frequency		Hz	50	60	50	60	50	60	50	60	50	60	50	60
Output Rating(kVA)	Continuous		20	25	37	45	50	60	80	100	100	125	125	150
	Standby		22	27.5	38.9	47.3	55	66	88	110	110	138	138	165
No.of Phases			3-Phase,4-Wire											
Rated Voltage*1		V	④Single Voltage (Dual Voltage is an option.)						②Dual Voltage					
Power Factor			0.8(Lagging)											
Voltage Regulation		%	Within ±0.5											
Excitation			Brushless,Rotating Exciter (With A.V.R.)											
Insulation			Class F											

ENGINE

Make&Model		Isuzu AA-4LE2		Isuzu BB-4JG1T		Hino W04D-TG		Isuzu DD-6BG1T		Hino J08C-UP		Komatsu SAA6D102E-2-D	
Type		Inlined, Direct Injected		Inlined,Direct Injected,Turbocharged								Inlined,Direct Injected Turbocharged,Aftercooled	
Output Rating	PS/rpm	26/1500	32/1800	46.5/1500	56/1800	66/1500	78/1800	101/1500	126/1800	133/1500	156/1800	154/1500	184/1800
	kW/min ⁻¹	19.1/1500	23.5/1800	34.2/1500	41.2/1800	48.5/1500	57.4/1800	74.5/1500	92.8/1800	97.8/1500	115/1800	113/1500	135/1800
No.of Cylinders-Bore×Stroke	mm	4-85×96		4-95.4×107		4-104×118		6-105×125		6-114×130		6-102×120	
Piston Displacement	L	2.179		3.059		4.009		6.494		7.961		5.880	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent											
Fuel Consumption*2	L/h	3.2	3.9	6.7	8.4	8.3	10.2	13.4	17.1	16.7	21.9	20.5	25.1
Lube Oil Sump Capacity	L	8.5		10		16.5		22.4		25.5		22	
Coolant Capacity	L	6.4		10		11.9		20		19.6		22.4	
Battery×Quantity		80D26R×1		95D31R×1		80D26R×2		95D31R×2				95E41R×2	
Fuel Tank Capacity	L	92		170		170		225		250			

UNIT

Dimensions	Length mm	1400	1580	2050	2650	2950	3100
	Width mm	790	950	950	1100	1240	1240
	Height mm	1350	1550	1450	1500	1600	1600
Dry Weight	kg	773	1100	1330	1940	2400	2600

SOUND LEVEL

7m dB (A) 1500/1800 rpm (min ⁻¹)*3	52	52	51	53	52	55	55	57	53	56	55	58
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*1 Rated Voltage Classification

Frequency	50Hz	60Hz
②	190~220V 380~440V	190~240V 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-45USI2



DCA-60USH2



DCA-100USI

NOTE 1 OUTPUT RATING

- Continuous output rating applies to operation under standard conditions as per JIS D0006*.
- Standby output rating applies to intermittent or emergency operation for approximately 1 hour as per JIS D0006.
- Kilowatts (kW) is calculated by multiplying output kVA by 0.8.

*JIS D0006: Standard air conditions Temperature 25°C Atmospheric pressure 100kPa Relative humidity 319%RH

NOTE 2 RATED VOLTAGE

- Line to neutral voltage is calculated by dividing line to line voltage by $\sqrt{3}$.
- Besides the voltages shown on the specification table, other voltages are available upon request.

NOTE 3

Colours of products would be different from printed ones of catalogues.