

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

MODEL		DCA-13LSK		DCA-15LSK		DCA-20LSK		DCA-25ESK		DCA-25ESI		DCA-35SPK		DCA-45ESI		
ALTERNATOR																
Frequency		Hz	50	60	50	60	50	60	50	60	50	60	50	60	50	60
Output Rating(kVA)	Continuous		10.5	13	12.5	15	17	20	20	25	20	25	30	35	37	45
	Standby		11	13.7	13.8	16.5	18.7	22	22	27.5	22	27.5	31.5	36.75	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	
Power Factor			0.8 (Lagging)													
Voltage Regulation		%	Within ±0.5													
Excitation			Brushless,Rotating Exciter (With A.V.R.)													
Insulation			Class F												Class H	

ENGINE

Maker & Model		Kubota D1403-K3A		Kubota D1703-K3A		Kubota V2203-K3A		Kubota V2203-KB		Isuzu AA-4LE2		Kubota V3300-EB		Isuzu BB-4JG1T	
Type		Inlined,Swirl Chambered								Inlined, Direct Injected		Inlined, Swirl Chambered		Inlined,Direct Injected, Turbocharged	
Output Rating	PS/rpm	13.9/1500	16.9/1800	16.9/1500	20/1800	23.1/1500	27.1/1800	25/1500	32.2/1800	26/1500	32/1800	38.5/1500	44.1/1800	46.5/1500	56/1800
	kW/rpm	10.2/1500	12.4/1800	12.4/1500	14.7/1800	17.0/1500	19.9/1800	18.4/1500	23.71800	19.1/1500	23.5/1800	28.3/1500	32.4/1800	34.2/1500	41.2/1800
No.of Cylinders-Bore×Stroke mm		3-80×92.4		3-87×92.4		4-87×92.4		4-87×92.4		4-85×96		4-98×110		4-95.4×107	
Piston Displacement L		1.393		1.647		2.197		2.197		2.179		3.318		3.059	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent													
Fuel Consumption*2 L/h		2.4	2.9	2.8	3.4	3.6	4.3	3.9	4.9	3.3	4.2	5.8	6.9	6.8	8.6
Lube Oil Sump Capacity L		5.6		5.6		7.6		7.6		8.5		13.2		10	

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

MODEL	DCA-60ESI2	DCA-75SPI	DCA-100ESI	DCA-125SPK3	DCA-150ESK
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ALTERNATOR

Frequency	Hz	50	60	50	60	50	60	50	60	50	60
Output Rating(kVA)	Continuous	50	60	65	75	80	100	100	125	125	150
	Standby	55	66	68.3	78.8	88	110	110	138	138	165
No.of Phases		3-Phase,4-Wire									
Rated Voltage*1	V	②Dual Voltage									
Power Factor		0.8 (Lagging)									
Voltage Regulation	%	Within ± 0.5									
Excitation		Brushless,Rotating Exciter (With A.V.R.)									
Insulation		Class H		Class F							

ENGINE

Maker & Model		Isuzu BB-4BG1T		Isuzu A-6BG1		Isuzu DD-6BG1T		Komatsu SA6D102E-1-A		Komatsu SAA6D102E-2-D	
Type		Inlined,Direct Injected, Turbocharged		Inlined,Direct Injected		Inlined,Direct Injected, Turbocharged		Inlined,Direct Injected,Turbocharged, Aftercooled			
Output Rating	PS/rpm	65.1/1500	77.6/1800	80/1500	93/1800	100/1500	124/1800	133/1500	157/1800	153/1500	183/1800
	kW/rpm	47.9/1500	57.1/1800	58.8/1500	68.4/1800	73.6/1500	91.3/1800	97.8/1500	115.5/1800	113/1500	135/1800
No.of Cylinders×Bore×Stroke mm		4-105×125		6-105×125		6-105×125		6-102×120		6-102×120	
Piston Displacement L		4.329		6.494		6.494		5.880		5.880	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent									
Fuel Consumption*2	L/h	8.7	11.0	10.8	12.5	13.5	17.4	15.5	20.1	20.6	25.0
Lube Oil Sump Capacity	L	13.2		19.3		22.4		22		22	
Coolant Capacity	L	15.4		22.9		22.0		23.9		28.4	

SPECIFICATION TABLE (220kVA~500kVA CLASS SOUNDPROOF TYPE)

MODEL		DCA-220SPK3		DCA-300SPK3		DCA-400SPKII		DCA-500SPK	
ALTERNATOR									
Frequency Hz		50	60	50	60	50	60	50	60
Output Rating(kVA)	Continuous	200	220	270	300	350	400	450	500
	Standby	220	242	297	330	385	440	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									
Maker & Model		Komatsu S6D125E-2-A		Komatsu SA6D125E-2-A		Komatsu SA6D140A-1		Komatsu SA6D170-B-1	
Type		Inlined,Direct Injected, Turbocharged		Inlined,Direct Injected,Turbocharged,Aftercooled					
Output Rating	PS/rpm	242/1500	277/1800	316/1500	350/1800	421/1500	485/1800	520/1500	580/1800
	kW/rpm	178/1500	204/1800	232/1500	257/1800	310/1500	357/1800	382/1500	427/1800
No.of Cylinders-Bore×Stroke mm		6-125×150				6-140×165		6-170×170	
Piston Displacement L		11.040				15.240		23.150	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent							
Fuel Consumption*2 L/h		31.5	35.7	43.6	50.0	52.1	60.8	69.5	83.1
Lube Oil Sump Capacity L		42		62		74		119	
Coolant Capacity L		37.2		38.2		68.4		92.5	

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

MODEL		DCA-600SPK	DCA-610SPM	DCA-800SPK	DCA-800SPM	DCA-1100SPK	DCA-1100SPM2						
ALTERNATOR													
Frequency Hz		50	60	50	60	50	60	50	60	50	60	50	60
Output Rating(kVA)	Continuous	550	600	554	610	700	800	700	800	1000	1100	1000	1100
	Standby	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											

ENGINE

Maker & Model		Komatsu SA6D170-A-1		Mitsubishi S6R-PTA		Komatsu SA12V140		Mitsubishi S12A2-PTA		Komatsu SAA12V140		Mitsubishi S12H-PTA	
Type		Inlined,Direct Injected,Turbocharged,Aftercooled				V12 Direct InjectedTurbocharged,Aftercooled							
Output Rating	PS/rpm	639/1500	698/1800	703/1500	768/1800	834/1500	1000/1800	830/1500	920/1800	1171/1500	1324/1800	1210/1500	1292/1800
	kW/rpm	470/1500	513/1800	517/1500	565/1800	613/1500	736/1800	610/1500	677/1800	861/1500	974/1800	890/1500	950/1800
No.of Cylinders-BoreXStroke mm		6-170x170		6-170x180		12-140x165		12-150x160		12-140x165		12-150x175	
Piston Displacement L		23.150		24.500		30.480		33.930		30.480		37.110	
Fuel		ASTM No. 2 Diesel Fuel or Equivalent											
Fuel Consumption*2 L/h		81.8	93.7	82.0	96.4	102	120	103	125	152	169	161	188
Lube Oil Sump Capacity L		119		92		151		120		207		200	
Coolant Capacity L		112		118		170		205		237		210	