

# SPECIFICATION TABLE (220kVA~600kVA CLASS SOUNDPROOF TYPE)

MODEL	DCA-220ESM	DCA-220SPK3	DCA-300SPK3	DCA-400SPKII	DCA-500SPK	DCA-600SPV
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## ALTERNATOR

Frequency	Hz	50	60	50	60	50	60	50	60	50	60	50	60
Output Rating(kVA)	Continuous	200	220	200	220	270	300	350	400	450	500	550	600
	Standby	220	242	220	242	297	330	385	440	495	550	605	660
No. of Phases		3-Phase, 4-Wire											
Rated Voltage*1	V	② Dual 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	Mitsubishi 6D24-TLE2B	Komatsu S6D125E-2-A	Komatsu SA6D125E-2-A	Komatsu SA6D140-A	Komatsu SA6D170-B	Volvo TAD1642GE							
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	421/1500	485/1800	520/1500	580/1800	659/1500	723/1800
	kW/rpm	181/1500	199/1800	178/1500	204/1800	232/1500	257/1800	310/1500	357/1800	382/1500	427/1800	485/1500	532/1800
No. of Cylinders-Bore×Stroke	mm	6-130×150		6-125×150			6-140×165		6-170×170		6-144×165		
Piston Displacement	L	11.940		11.040			15.240		23.150		16.120		
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	52.1	60.8	69.5	83.1	81.2	91.7
Lube Oil Sump Capacity	L	37		42			62		74		119		48
Coolant Capacity	L	42		36			35		68.4		92.5		93
Battery×Quantity		145G51×2 or 155G51×2						190H52×2 or 210H52×2					
Fuel Tank Capacity	L	380						490					

## UNIT

Dimensions	Length mm	3700	3650	3750	4200	5480(5000)*3	5180(4700)*3
	Width mm	1300	1300	1400	1400	1650	1650
	Height mm	1750	1750	1800	2100	2400	2400
Dry Weight	kg	3630	3670	4160	5420	8540	7535

## SOUND LEVEL

7m dB (A) 1500/1800 rpm (min <sup>-1</sup> )*4	61	63	63	65	68	71	67	68	68	71	72	75
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\*1 Rated Voltage Classification

\*5

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

\*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.