

2. MAJOR SPECIFICATION

MODEL		DCA-	110SPN	115SPK	125SPK2.3	125SPM
A C G E N E R A T O R	MODEL	DB-	DB-1381M	DB-1381K	DB-1381K	DB-1381M
	RATED OUTPUT		95/110 kVA	100/115	100/125	
			76/88 kW	80/92	80/100	
	RATED VOLTAGE		200/220 V			
			400/440 V			
	RATED CURRENT		274/289 A	289/302	289/328	
			137/144 A	144/151	144/164	
	FREQUENCY		50/60 Hz			
	POWER FACTOR		0.8 (lagging)			
	NO. OF PHASES		Three-phase (four wire)			
	EXCITATION		Brushless type (with automatic voltage regulator)			
	NO. OF POLES		4			
	SPEED		1500/1800 min ⁻¹ (rpm)			
INSULATION		class F				
SINGLE PHASE OUTPUT	TERMINAL OUTPUT	10 kVA × 2 (contain receptacles 1.5 kVA × 2)				
	VOLTAGE	100/110 V				
E N G I N E	MANUFACTURE	NISSAN	KOMATSU	KOMATSU	MITSUBISHI	
	MODEL	A-FE6T	S6D102E-1-A	SA6D102E-1-A	6D16-TE2	
	TYPE	4-cycle water cooled diesel engine direct injection type with turbocharger				
	RATED OUTPUT (1500/1800min ⁻¹)		84.6/106 kW	92.7/104	97.8/115.5	107/122
			115/144 PS	126/142	133/157	145/166
	NO. OF CYLINDERS	6-	6-	6-	6-	
	BORE × STROKE (mm)	108 × 126	102 × 120	102 × 120	118 × 115	
	TOTAL DISPLACEMENT	6.925 L	5.88	5.88	7.545	
	BATTERY (DOMESTIC STANDARD)	115F51 × 2	65D31R × 2	95E41R × 2		
	FUEL	DIESEL FUEL ASTM No. 2 or equivalent				
	FUEL TANK CAP.	210 L	240	250	250	
	LUBRICATING OIL *1	OVERALL	12.5 L	22.0	22.0	13.5
		FILTER	0.5 L	0.5	0.5	2.1
COOLANT QUANTITY*2	OVERALL	27.4 L	22.9	23.9	28.3	
	RESERVE TANK	2.4 L	2.4	2.4	2.3	
S E T	LENGTH OVERALL	2850 mm	2900	3000	3100	
	WIDTH OVERALL	1050 mm	1050	1080	1080	
	HEIGHT	1400 mm	1450	1500	1500	
	DRY WEIGHT	2000 kg	2020	2120	2180	
	TOTAL WEIGHT	2270 kg	2280	2390	2560	

The above specifications and set dimensions are subject to change.

*1 Overall of lubricating oil contains filter.

*2 Overall of coolant quantity contains reserve tank.

2 - 1 . AC GENERATOR SPECIFICATIONS (FOR CUSTOM VOLTAGE)

DCA-110SP		50Hz			60Hz		
RATED	kVA	95	95	85.5	99	110	110
OUTPUT	kW	76	76	68.4	79.2	88	88
RATED VOLTAGE (V)		190/380	415	220/440	190/380	200/400	240/480
RATED CURRENT (A)		289/144	132	224/112	301/150	318/159	265/132
1phase	VOLTAGE (V)	100	100	110	100	100	120
OUTPUT	CURRENT (A)	100	100	90.9	100	100	83.3

DCA-115SP		50Hz			60Hz		
RATED	kVA	100	100	90	103.5	115	115
OUTPUT	kW	80	80	72	82.8	92	92
RATED VOLTAGE (V)		190/380	415	220/440	190/380	200/400	240/480
RATED CURRENT (A)		304/152	139	236/118	315/157	332/166	277/138
1phase	VOLTAGE (V)	100	100	110	100	100	120
OUTPUT	CURRENT (A)	100	100	90.9	100	100	83.3

DCA-125SP		50Hz			60Hz		
RATED	kVA	100	100	90	112.5	125	125
OUTPUT	kW	80	80	72	90	100	100
RATED VOLTAGE (V)		190/380	415	220/440	190/380	200/400	240/480
RATED CURRENT (A)		304/152	139	236/118	342/171	361/180	301/150
1phase	VOLTAGE (V)	100	100	110	100	100	120
OUTPUT	CURRENT (A)	100	100	90.9	100	100	83.3

DCA-150SP		50Hz			60Hz		
RATED	kVA	125	125	112.5	135	150	150
OUTPUT	kW	100	100	90	108	120	120
RATED VOLTAGE (V)		190/380	415	220/440	190/380	200/400	240/480
RATED CURRENT (A)		380/190	174	295/148	410/205	433/217	361/180
1phase	VOLTAGE (V)	100	100	110	100	100	120
OUTPUT	CURRENT (A)	100	100	90.9	100	100	83.3

DCA-180SP		50Hz			60Hz		
RATED	kVA	150	150	150	180	180	180
OUTPUT	kW	120	120	120	144	144	144
RATED VOLTAGE (V)		190/380	415	220/440	190/380	200/400	240/480
RATED CURRENT (A)		456/228	209	394/197	547/273	520/260	433/217
1phase	VOLTAGE (V)	100	100	110	100	100	120
OUTPUT	CURRENT (A)	15	15	13.6	15	15	12.5