

11. Service data

11-1 Specifications

MODEL		DCA-45SPI	DCA-60SPI	DCA-75SPI	
A C G E N E R A T O R	MODEL	DB-0501I	DB-0661I	DB-0831I	
	FREQUENCY	50 / 60 Hz			
	RATED OUTPUT	37 / 45 kVA 29.6 / 36 kW	50 / 60 40 / 48	65 / 75 52 / 60	
	RATED VOLTAGE	200 / 220 V			
	RATED CURRENT	107 / 118 A	144 / 157	188 / 197	
	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			
	MANUFACTURE	ISUZU			
	E N G I N E	MODEL	B-4BG1	A-6BG1	
		TYPE	4-cycle water cooled diesel engine direct injection type		
NO. OF CYLINDERS		4-	6-		
BORE × STROKE (mm)		105×125	105×125		
TOTAL DISPLACEMENT		4.329 L	6.494		
RATED OUTPUT (1500/1800min ⁻¹)		34.2/41.2 kW 46.5 / 56 PS	47.1 / 57.4 64 / 78	58.8 / 68.4 80 / 93	
BATTERY (DOMESTIC STANDARD)		65D31R × 2		95E41R × 2	
FUEL		DIESEL FUEL ASTM No. 2 or equivalent			
FUEL TANK CAP.		100 L	125	155	
ENGINE OIL *1		OVERALL	14.0 L	19.3	
		FILTER	0.7 L	1.0	
COOLANT QUANTITY*2		OVERALL	13.9 L	19.0	22.9
		RESERVE TANK	1.0 L	1.0	2.4
S E T		LENGTH OVERALL	2000 mm	2420	2630
	WIDTH OVERALL	880 mm	880	1000	
	HEIGHT	1250 mm	1250	1300	
	DRY WEIGHT	1180 kg	1410	1590	
	TOTAL WEIGHT	1340 kg	1610	1780	

The above specifications and set dimensions are subject to change.

*1 Overall of engine oil contains filter.

*2 Overall of coolant quantity contains reserve tank.

Dry weight : This weight does not contain the cooling water, engine oil and fuel.

Total weight : This weight contains the cooling water, engine oil and fuel.

11-2 AC generator specifications (for custom voltage)

DCA-45SPI		50Hz				60Hz			
Rated output	kVA	37	37	37	33.3	40.5	45	45	45
	kW	29.6	29.6	29.6	26.6	32.4	36	36	36
Rated voltage (V)		190/380	400	415	220/440	190/380	200/400	440	240/480
Rated current (A)		112/56.2	53.4	51.5	87.4/43.7	123/61.5	130/65.0	59.0	108/54.1

DCA-60SPI		50Hz				60Hz			
Rated output	kVA	50	50	50	45	54	60	60	60
	kW	40	40	40	36	43.2	48	48	48
Rated voltage (V)		190/380	400	415	220/440	190/380	200/400	440	240/480
Rated current (A)		152/76.0	72.2	69.6	118/59.0	164/82.0	173/86.6	78.7	144/72.2

DCA-75SPI		50Hz				60Hz			
Rated output	kVA	65	65	65	58.5	67.5	75	75	75
	kW	52	52	52	46.8	54	60	60	60
Rated voltage (V)		190/380	400	415	220/440	190/380	200/400	440	240/480
Rated current (A)		198/98.8	93.8	90.4	154/76.8	205/103	217/108	98.4	180/90.2