

## 11. Service data

### 11-1 Specifications (Standard)

MODEL		DCA-13ESK-DA	DCA-15ESK-DA	DCA-25ESK-DA
A C G E N E R A T O R	MODEL	DF-0140K	DF-0170K	DF-0270K
	FREQUENCY	50 Hz / 60 Hz		
	RATED OUTPUT	10.5 kVA /13kVA	12.5 kVA /15kVA	20.0 kVA /25kVA
	RATED VOLTAGE	380. 400 V (200.220V)		
	RATED CURRENT	16.0A (34.1A)	19.0A (39.4A)	30.4A (65.6A)
	POWER FACTOR	0.8		
	NO.OF POLES	4		
	SPEED	1500 mm <sup>-1</sup> / 1800 mm <sup>-1</sup>		
	INSULATION	class H		
	MANUFACTURE	KUBOTA		
E N G I N E	MODEL	D1403-EB	D1703-EB	V2203-EB
	TYPE	4-cycle, water-cooled, diesel engine, swirl chamber type		
	NO.OF CYLINDERS BOREXSTROKE(mm)	3 - 80 X 92.4	3 - 87 X 92.4	4 - 87 X 92.4
	TOTAL DISPLACEMENT	1.393 L	1.647 L	2.197 L
	RATED OUTPUT (1500/1800min <sup>-1</sup> )	10.2 / 12.4 kW	12.4 / 14.7 kW	18.4 / 23.7 kW
	BATTERY (DOMESTIC STANDARD)	Yuasa N 50 Z		
	FUEL	DIESEL FUEL ASTM No.2 or equivalent		
	FUEL TANK CAP.	Approx. 62 L		
	ENGINE OIL *1	OVERALL	Approx. 5.6 L	
	COOLANT QUANTITY*2	OVERALL	Approx. 6.4 L	
S E T	LENGTH OVERALL	1390 mm		1540 mm
	WIDTH OVERALL	650 mm		
	HEIGHT	900 mm		
	DRY WEIGHT	503 kg	516 kg	591 kg
	TOTAL WEIGHT	571 kg	584 kg	664 kg

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-13ESK

Frequency (Hz)	50Hz						
Rated output (kVA)	10.5						
Rated voltage(V)	190	200	220	380	400	415	440
Rated current(A)	31.9	30.3	27.6	16.0	15.2	14.6	13.8

Frequency (Hz)	60Hz							
Rated output (kVA)	13							
Rated voltage(V)	190	200	220	240	380	400	440	480
Rated current(A)	39.5	37.5	34.1	31.3	19.8	18.8	17.1	15.6

DCA-15ESK

Frequency (Hz)	50Hz						
Rated output (kVA)	12.5						
Rated voltage(V)	190	200	220	380	400	415	440
Rated current(A)	38.0	36.1	32.8	19.0	18.0	17.4	16.4

Frequency (Hz)	60Hz							
Rated output (kVA)	15							
Rated voltage(V)	190	200	220	240	380	400	440	480
Rated current(A)	45.6	43.3	39.4	36.1	22.8	21.7	19.7	18.0

DCA-25ESK

Frequency (Hz)	50Hz						
Rated output (kVA)	20						
Rated voltage(V)	190	200	220	380	400	415	440
Rated current(A)	60.8	57.7	52.5	30.4	28.9	27.8	26.2

Frequency (Hz)	60Hz							
Rated output (kVA)	25							
Rated voltage(V)	190	200	220	240	380	400	440	480
Rated current(A)	76.0	72.2	65.6	60.1	38.0	36.1	32.8	30.1