

# 180 to 800 KVA — Single / Three Phase

MODEL	DCA-180SSK3	DCA-220SSK3	DCA-300SSK3	DCA-400SSK3	DCA-600SSK	DCA-800SSK
<b>GENERATOR</b>						
Design	Revolving field Self-ventilated Drip-proof Single bearing					
No. of Poles	4-pole					
Excitation	Brushless with AVR					
Standby Output	158 KW (198 KVA)	194 KW (242 KVA)	264 KW (330 KVA)	352 KW (440 KVA)	528 KW (660 KVA)	704 KW (880 KVA)
Prime Output	144 KW (180 KVA)	176 KW (220 KVA)	240 KW (300 KVA)	320 KW (400 KVA)	480 KW (600 KVA)	640 KW (800 KVA)
Generator RPM	1800					
Voltage — 3 phase	208, 220, 240, 416, 440, 480 Reconnectable					
Voltage — single phase	120, 127, 138, 240, 254, 277 Adjustable					
Armature connection	Star with neutral					
Voltage Regulation (No load to full load)	±1.5%	±1.5%	±1.5%	±1.5%	±1%	±1%
Power Factor	0.8					
Frequency	60 Hz					
Insulation	Class F					
Sound Level dB(A) Full load 23 feet	67	66	71	69	75	73
<b>DIESEL ENGINE</b>						
Make/Model	Komatsu SA6D106E	Komatsu SA6D125E	Komatsu SA6D125E	Komatsu SA6D140AE	Komatsu SA6D170AE-1	Komatsu SA12V140
Starting System	Electric					
Design	Direct injection, turbocharged, aftercooled	Direct injection, turbocharged	Direct injection, turbocharged, aftercooled			
Displacement	7,150 cc	11,000 cc	11,040 cc	15,240 cc	23,150 cc	30,480 cc
No. cylinders	6	6	6	6	6	12
Bore x Stroke mm	108 x 130	125 x 150	125 x 150	140 x 165	170 x 170	140 x 165
HP at Rated Speed	217	273	345	478	686	960
Fuel Tank Capacity gal (liters)	79 (299)	100 (379)	129.5 (490)	129.5 (490)	129.5 (490)	129.5 (490)
Fuel Consumption At full load gph (lph) At ¾ load gph (lph) At ½ load gph (lph) At ¼ load gph (lph)	9.6 (36.3) 6.8 (25.7) 5.2 (19.7) 3.3 (12.5)	12.3 (46.6) 9.4 (35.6) 6.5 (24.6) 4.0 (15.1)	17.5 (66.2) 12.0 (45.4) 8.8 (33.3) 5.5 (20.6)	20.4 (77.2) 15.8 (59.6) 11.0 (42.5) 6.6 (29.0)	33.9 (128.3) 26.7 (101.1) 17.4 (65.9) 10.6 (40.1)	43.7 (165.4) 33.0 (124.9) 24.0 (90.9) 14.9 (56.4)
Coolant capacity gal (liters)	7.4 (28.0)	11.1 (42.0)	16.9 (64.0)	16.9 (64.0)	26.9 (109.4)	42.3 (160.1)
Oil capacity gal (liters)	6.3 (23.8)	10.4 (39.4)	16.1 (60.9)	19.5 (73.6)	31.4 (118.8)	39.9 (151.0)
Battery	12V 100AH x 2 24V System	12V 150AH x 2 24V System	12V 200AH x 2 24V System	12V 200AH x 2 24V System	12V 200AH x 2 24V System	12V 200AH x 4 24V System
<b>SIZE</b>						
LxWxH in (cm)	130 x 48 x 60 (330 x 122 x 152)	144 x 52 x 69 (366 x 132 x 175)	153 x 56 x 71 (389 x 142 x 180)	166 x 56 x 83 (422 x 142 x 211)	220 x 65 x 95 (559 x 165 x 241)	241 x 77 x 99 (612 x 195 x 251)
Aprox Net Wt. lb (kg)	6,372 (2890)	8,091 (3670)	9,172 (4160)	11,950 (5420)	19,533 (8860)	24,692 (11,200)
<b>AMPS</b>						
Single Phase 120V Single Phase 240V Three Phase 240V Three Phase 480V	400.0A (4 wire) 200.0A (4 wire) 433A 216A	488.0A (4 wire) 244.0A (4 wire) 529A 264A	666.7A (4 wire) 333.3A (4 wire) 721A 360A	888.9A (4 wire) 444.4A (4 wire) 962A 481A	1333.3A (4 wire) 666.7A (4 wire) 1443A 721A	1777.8A (4 wire) 888.9A (4 wire) 1924A 962A