

MQ Power WhisperWatt 180 kVA to 800 kVA – Single / Three Phase

MODEL	DCA180SSI	DCA220SSJ	DCA250SSI	DCA300SSK	DCA300SSC	DCA400SSI	DCA600SSV	DCA800SSK
Generator								
Design	Revolving field, Self-ventilated, Drip-proof, Single bearing							
No. of poles	4-pole							
Excitation	Brushless with AVR							
Standby rating	158 kW (198kVA)	194 kW (242kVA)	220 kW (275kVA)	264 kW (330kVA)	264 kW (330kVA)	352 kW (440kVA)	528 kW (660kVA)	704 kW (880kVA)
Prime rating	144 kW (180kVA)	176 kW (220kVA)	200 kW (250kVA)	240 kW (300kVA)	240 kW (300kVA)	320 kW (400kVA)	480 kW (600kVA)	640 kW (800kVA)
Generator RPM	1800							
Voltage - 3 phase	208, 220, 240, 416, 440, 480V Reconnectable							
Voltage - 1 phase	120, 127, 139, 240, 254, 277V Adjustable							
Armature connection	Star with neutral							
Voltage regulation (no load to full load)	±0.5%							
Frequency	60 Hz							
Frequency regulation (steady state load)	±0.25% Includes Electronic Governor							
Power factor	0.8							
Sound level dB(A) Full load at 23 feet	71	73	68	72	73	71	74	73
Diesel Engine								
Make / Model	Isuzu 6HK1X	John Deere 6068HF485	Isuzu 6UZIX	Komatsu SAA6D125E-5	Cummins QSL9-G3	Isuzu BH-6WG1X	Volvo TAD1642GE	Komatsu SAA6D170E-3
Emissions	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3	Tier 2	Tier 2
Starting system	Electric							
Design	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled							
Displacement	7790 cc	6800 cc	9839 cc	11040 cc	8900 cc	15681 cc	16120 cc	23150 cc
No. of cylinders	6							
Bore x Stroke (mm)	115 x 125	106 x 127	120 x 145	125 x 150	114 x 145	147 x 154	144 x 165	170 x 170
Gross HP	265	315	348	420	399	532	809	1220
Fuel tank capacity gal.(liters)	100 (380)	100 (380)	121 (460)	129 (490)	129 (490)	129 (490)	129 (490)	129 (490)
Fuel consumption full load gph (lph) 3/4 load gph (lph) 1/2 load gph (lph) 1/4 load gph (lph)	10.6 (40.0) 8.0 (30.1) 6.1 (23.1) 3.7 (14.0)	13.6 (51.6) 10.4 (39.5) 7.7 (29.3) 4.5 (17.2)	14.7 (55.8) 10.9 (41.2) 7.5 (28.5) 4.4 (16.6)	16.7 (63.1) 12.4 (46.8) 8.8 (33.5) 5.2 (19.8)	19.0 (72.0) 15.5 (58.6) 11.1 (41.9) 5.9 (22.4)	23.0 (87.3) 18.0 (68.1) 12.9 (48.8) 7.8 (29.7)	33.1 (125.2) 24.2 (91.7) 17.3 (65.4) 10.5 (39.6)	41.3 (156.5) 30.8 (116.4) 22.6 (85.9) 14.5 (54.9)
Coolant capacity gal. (liters)	6.6 (25.0)	6.4 (24.0)	14.3 (54.0)	12.4 (46.1)	11.3 (43.0)	15.8 (60.0)	24.6 (93)	39.1 (148)
Oil capacity gal. (liters)	10.6 (40.0)	8.19 (31.0)	10.8 (41.0)	16.6 (63.0)	7.0 (26.5)	14.4 (55.0)	12.7 (48.0)	37.2 (141)
Battery	12V 100Ah x 2 24 V System	12V 128Ah	12V 150Ah x 2 24 V System	12V 150Ah x 2 24 V System	12V 150Ah x 2 24 V System	12V 200Ah x 2 24 V System	12V 200Ah x 2 24 V System	12V 200Ah x 4 24 V System
Size								
L x W x H in. (cm)	138 x 49 x 67 (350 x 124 x 170)	138 x 49 x 67 (355 x 124 x 170)	148 x 55 x 71 (375 x 140 x 180)	158 x 58 x 71 (400 x 147 x 180)	150 x 55 x 71 (380 x 140 x 180)	181 x 55 x 83 (460 x 140 x 210)	185 x 65 x 94 (470 x 165 x 240)	241 x 77 x 98 (611 x 195 x 250)
Approx Net Wt lbs. (kg)	6511 (2953)	7016 (3182)	8397 (3809)	10396 (4717)	8797 (3990)	11973 (5432)	16686 (7567)	24434 (11086)
Amps								
Single phase 120V	400.0A (4 wire)	489.9A (4 wire)	555.5A (4 Wire)	666.7A (4 wire)	666.7A (4 wire)	888.9A (4 wire)	1333.3A (4 wire)	1777.8A (4 wire)
Single phase 240V	200.0A (4 wire)	244.4A (4 wire)	277.7A (4 Wire)	333.3A (4 wire)	333.3A (4 wire)	444.4A (4 wire)	666.7A (4 wire)	888.9A (4 wire)
Three phase 240V	433A	529A	601A	722A	722A	962A	1443A	1924A
Three phase 480V	216A	265A	301A	361A	361A	481A	721A	962A

