

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

Model	DCA-180SSCU4i	DCA-220SSCU4i	DCA-300SSCU4i	DCA-400SSIC	DCA-600SSVC	DCA-800SSK2C
Generator						
Design	Revolving Field Self-Ventilated Dip-Proof Single Bearing					
No. of Poles	4-poles					
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					
Voltages--3 phase	208, 220, 240, 416, 440, 460, 480V Reconnectable					
Voltages--1 phase	120, 127, 139, 240, 254, 277V Adjustable					
Amature Connection	Star with neutral					
Voltage Regulation (no load to full load)	± 0.5%					
Frequency	60 HZ					
Frequency Regulation (no load to full load)	± 0.25% Electronic Governor					
Power Factor	0.8					
Sound Level dB(A) Full Load at 23 feet	74	75	75	71	74	73
DIESEL ENGINE						
Make / Model	Cummins QSB7-G6	Cummins QSB7-G6	Cummins QSL9-G8	Isuzu BH-6WG1X	Volvo TAD1642GE	Komatsu SAA6D170E-3
Emissions	Tier 4i	Tier 4i	Tier 4i	Tier 3	Tier 2	Tier 2
Starting System	Electric					
Design	4-cycle Water Cooled Direct Injection Turbocharged Charge Air Cooled					
Displacement	6700 cc	6700 cc	8900 cc	15681 cc	16120 cc	23150 cc
No. Cylinders	6	6	6	6	6	6
Bore x Stroke (mm)	107 x 124	107 x 124	114 x 145	147 x 154	144 x 165	170 x 170
Gross Engine Power Output	314	314	433	532	809	1220
HP at Rated Speed	282	282	393	464	713	1008
Fuel Tank Capacity gal (liters)	100 (380)	100 (380)	129 (490)	129 (490)	129 (490)	129 (490)
Fuel Consumption						
full load gph(lph)	10.3 (39.1)	12.4 (46.8)	16.3 (61.8)	23.0 (87.3)	33.1 (125.2)	41.3 (156.5)
3/4 load gph(lph)	8.0 (30.4)	9.5 (36.0)	14.1 (53.3)	18.0 (68.1)	24.2 (91.7)	30.8 (116.4)
1/2 load gph(lph)	5.9 (22.5)	6.9 (26.0)	12.0 (45.5)	12.9 (48.8)	17.3 (65.4)	22.6 (85.9)
1/4 load gph(lph)	4.0 (15.3)	4.4 (16.8)	7.05 (26.7)	7.8 (29.7)	10.5 (39.6)	14.5 (54.9)
Coolant Capacity gal (liters)	11.4 (43.0)	11.4 (43.0)	14.0 (53.0)	15.8 (60.0)	24.6 (93.0)	39.1 (148)
Oil Capacity gal (liters)	4.6 (17.5)	4.6 (17.5)	6.0 (22.7)	14.4 (55.0)	12.7 (48.0)	37.2 (141)
Battery	12V 100Ah x 1 24V System	12V 100Ah x 1 24V System	12V 150Ah X 2 24V System	12V 200Ah X 2 24V System	12V 200Ah X 2 24V System	12V 200Ah X 4 24V System
SIZE						
L x W x H in. (cm)	138 x 52 x 69 (350x130x175)	138 x 52 x 69 (350x130x175)	150 x 59 x 71 (380x150x180)	181 x 55 x 83 (460x140x210)	185 x 65 x 94 (470x165x240)	241 x 77 x 98 (611x195x250)
Approx. Net wt. lb. (kg)	6,528 (2,961)	6,792 (3,081)	8,880 (4,028)	11,973 (5,432)	16,686 (7,567)	24,434 (11,086)
AMP						
Single Phase 120V	400.0A (4 wire)	488.9A (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)	333.3A (4 wire)	444.4A (4 wire)	666.7A (4 wire)	888.9A (4 wire)
Three Phase 240V	433A	529A	722A	962A	1443A	1924A
Three Phase 480V	216A	265A	361A	481A	721A	962A

