

MQ Power Super-Silent WhisperWatt 220 to 800 kVA - Single / Three Phase

Model	DCA220SSCU4i	DCA300SSCU4i	DCA400SSI4F	DCA600SSVC	DCA800SSK2C
Generator					
Design	Revolving Field Self-Ventilated Drip-Proof Single Bearing				
No. of Poles	4-poles				
Excitation	Brushless with AVR				
Standby Output	194 kW (242KVA)	264 kW (330kVA)	336 kW (420kVA)	528 kW (660kVA)	704 kW (880kVA)
Prime Output	176 kW (220kVA)	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 (No Load to Full Load)	± 0.25% Electric Governor				
Power Factor	0.8				
Sound Level dB (A) Full Load at 23 Feet	75	75	69	74	73
Diesel Engine					
Make / Model	Cummins QSB7-G6	Cummins QSL9-G8	Isuzu BQ-6WG1X	Volvo TAD1642GE	Komatsu SAA6D170E-3
Emissions	Tier 4i	Tier 4i	Tier 4 Final	Tier 2	Tier 2
Starting System	Electric				
Design	4-cycle Water Cooled Direct Injection Turbocharged Charge Air Cooled EGR		4-cycle Water Cooled Direct Injection Turbocharged Charge Air Cooled EGR, DOC and SCR	4-cycle Water Cooled Direct Injection Turbocharged Charge Air Cooled	
Displacement	6,700 cc	8,900 cc	15,681 cc	16120 cc	23,150 cc
No. of Cylinders	6	6	6	6	6
Bore x Stroke (mm)	107 x 124	114 x 145	147 x 154	144 x 165	170 x 170
Gross Engine Power Output	314	433	512.3	809	1,220
Full Tank Capacity gal. (liters)	100 (380)	129 (490)	55.5 (210)	129 (490)	129 (490)
Fuel consumption					
full load gph (lph)	12.4 (46.8)	16.3 (61.8)	22.5 (85.1)	33.1 (125.2)	41.3 (156.5)
3/4 load gph (lph)	9.5 (36.0)	14.1 (53.3)	17.3 (65.5)	24.2 (91.7)	30.8 (116.4)
1/2 load gph (lph)	6.9 (26.0)	12.0 (45.5)	12.2 (46.0)	17.3 (65.4)	22.6 (85.9)
1/4 load gph (lph)	4.4 (16.8)	7.05 (26.7)	7.7 (29.0)	10.5 (39.6)	14.5 (54.9)
DEF Tank Capacity gal. (liters)	N/A	N/A	14.8 (56)	N/A	N/A
Coolant Capacity gal. (liters)	11.4 (43.0)	14.0 (53.0)	19.4 (73.6)	24.6 (93.0)	39.1 (148)
Oil Capacity gal. (liters)	4.6 (17.5)	6.0 (22.7)	15.1 (57)	12.7 (48.0)	37.2 (141)
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 4 24V System
Size					
L x W x H in. (cm)	138 x 52 x 69 (350 x 130 x 175)	150 x 59 x 71 (380 x 150 x 180)	181 x 59 x 89 (460 x 150 x 225)	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)	6,636 (3,010)	8,642 (3,920)	12,280 (5,570)	16,373 (7,425)	23,634 (10,720)
Amps					
Single Phase 120V	488.9A (4 wire)	666.7A (4 wire)	888.9A (4 wire)	1,333.3A (4 wire)	1,777.8A (4 wire)
Single Phase 240V	244.4A (4 wire)	333.3A (4 wire)	444.4A (4 wire)	666.7A (4 wire)	888.9A (4 wire)
Three Phase 240V	529A	722A	962A	1443A	1924A
Three phase 480V	265A	361A	481A	721A	962A