

MQ Power Super-Silent WhisperWatt 220 to 1100 kVA - Single / Three Phase

Model	DCA220SSJU4F	DCA300SSJU4F	DCA400SSI4F	DCA600SSVC	DCA800SSK2C	DCA1100SSC
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)	968 kW (1210 kVA)
Prime Output	176 kW (220kVA)	240 kW (300kVA)	320 kW (400kVA)	480 kW (600kVA)	640 kW (800kVA)	880 kW (1100 kVA)
Generator RPM	1800					
Voltage - 3 phase	208, 220, 240, 416, 440, 480V Reconnectable					480V Dedicated
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					± 0.5%
Power Factor	0.8					
Sound Level dB (A) Full Load at 23 Feet	74	70	69	74	73	74
DIESEL ENGINE						
Make / Model	John Deere 6068HFG09	John Deere 6090HFG09	Isuzu BQ-6WGI1X	Volvo TAD1642GE	Komatsu SAA6D170E-3	Cummins / QST30-G5
Emissions	Tier 4 Final			Tier 2		
Starting System	Electric					
Design	4-cycle Water Cooled Direct Injection Turbocharged Charge Air Cooled EGR, DOC, DPF and SCR		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	6,800 cc	9,000 cc	15,681 cc	16120 cc	23,150 cc	30,480 cc
No. of Cylinders	6	6	6	6	6	12
Bore x Stroke (mm)	106 x 127	118 x 136	147 x 154	144 x 165	170 x 170	140 x 165
Gross Engine Power Output	322	437	512.3	809	1,220	1,490
Full Tank Capacity gal. (liters)	69 (260)	43 (163.1)	55.5 (210)	129 (490)	129 (490)	211 (800)
Fuel consumption full load gph (lph)	12.5 (47.1)	17.2 (65.3)	22.5 (85.1)	33.1 (125.2)	41.3 (156.5)	62.6 (237)
3/4 load gph (lph)	9.7 (36.4)	12.4 (47.0)	17.3 (65.5)	24.2 (91.7)	30.8 (116.4)	46.5 (176)
1/2 load gph (lph)	6.9 (26.1)	9.1 (34.4)	12.2 (46.0)	17.3 (65.4)	22.6 (85.9)	33.0 (125)
1/4 load gph (lph)	4.4 (16.7)	5.5 (21.0)	7.7 (29.0)	10.5 (39.6)	14.5 (54.9)	18.3 (69.3)
DEF Tank Capacity gal. (liters)	14.5 (55)	14.5 (55)	14.8 (56)	N/A	N/A	N/A
Coolant Capacity gal. (liters)	10.3 (39.0)	17.7 (67)	19.4 (73.6)	24.6 (93.0)	39.1 (148)	55.7 (211)
Oil Capacity gal. (liters)	8.2 (31)	9.3 (35)	15.1 (57)	12.7 (48.0)	37.2 (141)	40.7 (154)
Battery	12V 150Ah x 1 12V System	12V 430Ah x 1 12V 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 71 (350 x 130 x 180)	150 x 59 x 75 (380 x 150 x 190)	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)	272 x 86.61 x 114.17 (691 x 220 x 290)
Approx Net Wt lbs. (kg)	7,695 (3,490)	9,658 (4,390)	12,280 (5,570)	16,373 (7,425)	23,634 (10,720)	28,880.5
AMPS						
Single Phase 120V	7,695 (3,490)	666.7A (4 wire)	888.9A (4 wire)	1,333.3A (4 wire)	1,777.8A (4 wire)	N/A
Single Phase 240V	244.4A (4 wire)	333.3A (4 wire)	444.4A (4 wire)	666.7A (4 wire)	888.9A (4 wire)	N/A
Three Phase 240V	529A	722A	962A	1443A	1924A	N/A
Three phase 480V	265A	361A	481A	721A	962A	1323A