

MQ Power Super-Silent WhisperWatt 25 to 150 kVA – Single / Three Phase

Model	DCA-25SSIU3C	DCA-40SSKU4i	DCA-45SSIU4C	DCA-45SSKU4	DCA-70SSJU4i	DCA-125SSJU4i	DCA-150SSCU4i
Generator							
Design	Revolving Field Self-Ventilated Dip-Proof Single Bearing						
No. of Poles	4-poles						
Excitation	Brushless with AVR						
Standby Output	22 kW (27 kVA)	31kW (39 KVA)	40 kW (50 kVA)	40 kW (50 kVA)	62 kW (77 kVA)	110 kW (137 kVA)	132 kW (165 kVA)
Prime Output	20 kW (25 kVA)	30 kW (37 KVA)	36 kW (45 kVA)	36 kW (45 kVA)	56 kW (70 kVA)	100 kW (125 kVA)	120 kW (150 kVA)
Generator RPM	1800						
Voltages--3 phase	208, 220, 240, 416, 440, 460, 480V Switchable						
Voltages--1 phase	120, 127, 139, 240, 254, 277V Switchable						
Amature Connection	Star with Neutral / Zigzag						
Voltage Regulation (no load to full load)	± 0.5%						
Frequency	60 HZ						
Frequency Regulation (no load to full load)	3-5% Optional Electronic Governor ±0.25%	±0.25% Electronic Governor					
Power Factor	0.8						
Sound Level dB(A) Full Load at 23 feet	63	65	65	64	65	70	74
DIESEL ENGINE							
Make / Model	Isuzu BV-4LE2	Kubota V3300-E3BG	Isuzu BU-4JJ1T	Kubota V3800-DI-T	John Deere 4045HFG92	John Deere 4045HFG93	Cummins QSB7-G7
Emissions	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i
Starting System	Electric						
Design	4-Cycle Water Cooled Direct Injection	4-Cycle Water Cooled Swirl Chamber	4-Cycle Water Cooled Direct Injection Turbocharged		4-Cycle Water Cooled Direct Injection Turbocharged Charge Air Cooled EGR		
Displacement	2179 cc	3318 cc	2999 cc	3769 cc	4500 cc	4500 cc	6700 cc
No. Cylinders	4	4	4	4	4	4	6
Bore x Stroke (mm)	85 x 96	98 x 110	95.4 x 104.9	100 x 120	106 x 127	106 x 127	107 x 124
Gross Engine Power Output	34.3	48.9	67.1	76	107	166	256
Fuel Tank Capacity gal (liters)	17 (65)	26 (100)	26 (100)	26 (100)	103 (390)	168 (640)	100 (380)
Fuel Consumption full load gph(lph)	1.66 (6.3)	2.6 (9.8)	2.8 (10.6)	3.1 (11.8)	4.3 (16.2)	7.3 (27.5)	8.8 (33.2)
3/4 load gph(lph)	1.21 (4.6)	1.9 (7.3)	1.5 (5.6)	2.2 (8.5)	3.4 (12.7)	5.6 (21.2)	7.0 (26.4)
1/2 load gph(lph)	0.85 (3.2)	1.4 (5.4)	0.9 (3.4)	1.6 (6.0)	2.7 (10.1)	4.0 (15.1)	5.3 (20.0)
1/4 load gph(lph)	0.58 (2.2)	1.0 (3.8)	0.9 (3.4)	1.1 (4.0)	2.0 (7.4)	2.5 (9.6)	3.6 (13.7)
Coolant Capacity gal (liters)	1.74 (6.6)	2.9 (11.0)	2.96 (11.2)	2.9 (11.0)	5.92 (22.4)	6.55 (24.8)	11.4 (43.0)
Oil Capacity gal (liters)	2.25 (8.5)	3.5 (13.2)	3.96 (15.0)	3.5 (13.2)	3.88 (14.7)	5.42 (20.5)	4.6 (17.5)
Battery	12V 53Ah x 1	12V 72Ah x 1	12V 72Ah x 1	12V 72Ah x 1	12V 75Ah x 1	12V 75Ah x 1	12V 100Ah x 2 24V System
SIZE							
L x W x H in. (cm)	73 x 30 x 39 (185x75x100)	76 x 35 x 49 (194x90x125)	76 x 35 x 49 (194x90x125)	76 x 35 x 49 (194x90x125)	105 x 38 x 69 (267x95x173.5)	120 x 49 x 73 (305x124x185)	138 x 52 x 69 (350x130x175)
Approx. Net wt. lb. (kg)	1,422 (645)	2,083 (945)	2,282 (1,035)	2,128 (965)	3,689 (1,674)	5,284 (2,397)	6,462 (2,931)
AMP							
Single Phase 120V	55.6A (4 wire) 60Ax2 (zigzag)	82A (4 wire) 89Ax2 (zigzag)	100A (4 wire) 108Ax2 (zigzag)	100A (4 wire) 108Ax2 (zigzag)	155.5A (4 wire) 168Ax2 (zigzag)	277.8A (4 wire) 301Ax2 (zigzag)	333.3A (4 wire) 361Ax2 (zigzag)
Single Phase 240V	27.8A (4 wire) 60A (zigzag)	41A (4 wire) 89A (zigzag)	50A (4 wire) 108A (zigzag)	50A (4 wire) 108A (zigzag)	77.8A (4 wire) 168A (zigzag)	138.9 (4 wire) 301A (zigzag)	166.7A (4 wire) 361A (zigzag)
Three Phase 240V	60A	89A	108A	108A	168A	301A	361A
Three Phase 480V	30A	44A	54A	54A	84A	150A	180A

*Specially designed for high single phase output

