

MQ POWER 25 to 150 KVA — Single / Three Phase

MODEL	DCA-25SSU1	DCA-45SSU2	DCA-60SS12	DCA-79SSU2	DCA-89SSJUC*	DCA-100SSU2	DCA-129SSU3	DCA-150SSU2
GENERATOR								
Design	Rotating field Self-ventilated Drip-proof Single bearing							
No. of Poles	4-pole							
Excitation	Brushless with AVR							
Standby Output	22 KW (27 KVA)	37 KW (47 KVA)	53 KW (66 KVA)	61 KW (77 KVA)	70 KW (88 KVA)	88 KW (110 KVA)	110 KW (137 KVA)	132 KW (165 KVA)
Prime Output	20 KW (25 KVA)	35 KW (45 KVA)	48 KW (60 KVA)	55 KW (70 KVA)	66 KW (82 KVA)	80 KW (100 KVA)	100 KW (125 KVA)	120 KW (150 KVA)
Generator RPM	1800							
Voltage — 3 phase	208, 220, 240, 416, 440, 480V Switchable							
Voltage — single phase	120, 127, 138, 240, 254, 277V Switchable							
Armature connection	Star with neutral / zigzag							
Voltage Regulation (No load to full load)	±1%		±1.5%					
Power Factor	0.8							
Frequency	60 Hz							
Insulation	Class F							
Sound Level dB(A) Full load 23 feet	65	64	66	65	67	67	67	68
DIESEL ENGINE								
Make/Model	Iscuz C240	Iscuz 4901	Iscuz 6601	John Deere 4045TF150	John Deere 4045TF250	John Deere 6068TF150	John Deere 6068TF250	John Deere 6061TF
Starting System	Electric							
Design	4-cycle Water cooled Swirl chamber	4-cycle Water cooled Direct injection		4-cycle Water cooled Direct injection		4-cycle Water cooled Direct injection Turbocharged		
Displacement	2369 cc	4329 cc	6494 cc	4500 cc	4500 cc	6724 cc	6724 cc	8100 cc
No. cylinders	4	4	6	4	4	6	6	6
Bore x Stroke (mm)	86 x 102	105 x 125	105 x 125	106 x 127	106 x 127	106 x 127	106 x 127	116 x 129
HP at Rated Speed	31	55	77	60	102	129	150	190
Fuel Tank Capacity gal (liters)	17.2 (65.1)	26.4 (99.9)	33 (124.9)	40 (151.4)	49 (151.4)	63 (238.5)	63 (238.5)	66 (249.8)
Fuel Consumption At full load gph (lph) At 1/2 load gph (lph) At 1/4 load gph (lph)	1.7 (6.5) 1.3 (5.0) 0.9 (3.4) 0.6 (2.3)	2.7 (10.3) 2.0 (7.6) 1.5 (5.7) 1.1 (4.2)	3.9 (14.4) 3.0 (11.4) 2.4 (9.1) 1.9 (7.2)	3.9 (14.4) 3.1 (11.7) 2.3 (8.7) 1.8 (6.8)	4.8 (18.1) 3.8 (14.3) 2.6 (9.8) 1.9 (6.0)	6.6 (25.1) 5.0 (19.0) 3.5 (13.3) 2.1 (8.0)	7.5 (28.4) 5.7 (21.6) 4.0 (15.1) 2.3 (8.7)	9.7 (36.7) 7.5 (28.4) 5.3 (20.1) 3.5 (13.3)
Coolant capacity gal (liters)	2.9 (11.0)	6.3 (20.1)	7.5 (28.4)	6.9 (26.0)	6.9 (26.0)	10.3 (39.0)	10.3 (39.0)	10.9 (41.2)
Oil capacity gal (liters)	1.45 (5.5)	3.4 (12.9)	4.8 (18.2)	3.4 (13.0)	3.4 (13.0)	4.5 (17.0)	4.5 (17.0)	6.5 (24.7)
Battery	12V 70Ah x 1	12V 100Ah x 1	12V 100Ah x 2 24V System	12V 100Ah x 1	12V 100Ah x 1	12V x 150Ah x 1	12V 150Ah x 1	12V 150Ah x 1
SIZE								
LxWxH in (cm)	75x29x39 (196x74x99)	70x35x49 (178x89x124)	96x35x49 (243x89x124)	94x35x55 (239x89x140)	94x35x55 (239x89x140)	120x44x56 (305x112x142)	120x44x56 (305x112x142)	126x47x59 (320x119x150)
Aprox Net Wt. lb. (kg)	1543 (700)	2470 (1120)	3250 (1474)	3246 (1472)	3380 (1520)	4454 (2000)	4630 (2100)	5617 (2548)
AMPS								
Single Phase 120V	55.5A (4 wire) 60A x2 (zigzag)	100A (4 wire) 108A x2 (zigzag)	133.3A (4 wire) 144A x2 (zigzag)	155.5A (4 wire) 168A x2 (zigzag)	180.0A (4 wire) 250A x2 (zigzag)	222.2A (4 wire) 241A x2 (zigzag)	277.8A (4 wire) 301A x2 (zigzag)	333.3A (4 wire) 361A x2 (zigzag)
Single Phase 240V	27.8A (4 wire) 60A (zigzag)	50A (4 wire) 108A (zigzag)	66.7A (4 wire) 144A (zigzag)	77.8A (4 wire) 168A (zigzag)	91.2A (4 wire) 250A (zigzag)	111.1A (4 wire) 241A (zigzag)	138.9A (4 wire) 301A (zigzag)	166.7A (4 wire) 361A (zigzag)
Three Phase 240V	60A	108A	144A	168A	197A	241A	301A	361A
Three Phase 480V	30A	54A	72A	84A	98A	120A	150A	180A

* Specially designed for high single phase output