MQ POWER®

MQ Power Generators - WhisperWatt™ 125 to 600 kVA - Single / Three Phase

MODEL	DCA125SSIU4F	DCA150SSJU4F3	DCA180SSJU4F3	DCA220SSJU4F3	DCA300SSJU4F3	DCA400SSI4F3	DCA600SSV4F3
GENERATOR							
Design	Revolving Field Self-Ventilated, Drip-Proof, Single Bearing						
No. of Poles	4						
Excitation	Brushless with AVR						
Standby Output	110 kW (137kVA)	132 kW (165kVA)	158 kW (198kVA)	194 kW (242KVA)	264 kW (330kVA)	336 kW (420kVA)	528 kW (660kVA)
Prime Output	100 kW (125kVA)	120 kW (150kVA)	144 kW (180kVA)	176 kW (220kVA)	240 kW (300kVA)	320 kW (400kVA)	480 kW (600kVA)
Generator RPM	1800						
Voltage - 3 phase	208, 220, 240, 416, 440, 480V Switchable		208, 220, 240, 416, 440, 480V Reconnectable				
Voltage - 1 phase	120, 127, 139, 240, 254, 277V Switchable		120, 127, 139, 240, 254, 277V Adjustable				
Armature Connection	Star with Neutral / ZigZag		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	66		70	69	72	69	71
DIESEL ENGINE							
Make / Model	Isuzu 4HK1X	John Deere 6068HFG05		John Deere 6068HFG09	John Deere 6090HFG06	Isuzu 6WG1X	Volvo TWD1672GE
Emissions	Tier 4 Final						
Starting System	Electric						
Design	4-cycle Water Cooled Direct Injection Turbocharged Charge Air Cooled EGR, DOC and SCR						
Displacement	5,193 cc	6,800 cc			9,000 cc	15,681 cc	16,119 cc
No. of Cylinders	4	6			6	6	6
Bore x Stroke	115 x 125 mm	106 x 127 mm			118 x 136 mm	147 x 154 mm	144 x 165 mm
Gross Engine Power Output	152 HP	215 HP	257 HP	322 HP	437 HP	512.3 HP	825 HP
Full Tank Capacity gal. (liters)	169 (640)	319 (1207)			430.6 (1630)	55.5 (210)	52.8 (200)
Fuel Consumption Full load gph (lph) 3/4 load gph (lph) 1/2 load gph (lph) 1/4 load gph (lph)	7.1 (26.9) 5.6 (21.2) 4.1 (15.5) 2.6 (10.0)	9.90 (33.7) 7.21 (27.3) 5.42 (20.5) 3.94 (14.9)	10.1 (38.3) 7.8 (29.4) 5.8 (21.8) 4.0 (15.2)	12 (45.5) 9.4 (35.5) 6.9 (26.1) 4.6 (17.3)	16.7 (63.2) 12.5 (47.4) 8.9 (33.8) 5.8 (21.9)	22.5 (85.1) 17.3 (65.5) 12.2 (46.0) 7.7 (29.0)	31.7 (120) 24.4 (92.4) 17.9 (68) 11.3 (42.7)
DEF Tank Capacity gal. (liters)	7.4 (28)	29.8 (112.8)				14.8 (56)	84.5 (320)
Coolant Capacity gal. (liters)	10.3 (39)	12.9 (48.7)	10.5 (39.7)	12.9 (48.7)	17.7 (67)	19.4 (73.6)	26.1 (99)
Oil Capacity gal. (liters)	6.05 (22.9)	8.58 (32.5)			9.3 (35.0)	15.1 (57.0)	12.7 (48)
Battery	12V 150Ah x 1				12V 430Ah x 1	12V 200Ah x 2 24V System	
SIZE							
L x W x H in. (cm)	120 x 49 x 73 (305 x 124 x 185)	141 x 51 x 88 (360 x 130 x 224)			150 x 59 x 97 (380 x 150 x 245)	181 x 59 x 89 (460 x 150 x 225)	216 x 68 x102 (548 x 173 x 260)
Approx Net Wt lbs. (kg)	6702 (3039)	10869 (4930)	11089 (5,029)	11,177 (5,069)	15,010 (6,808)	13,184 (5,980)	19,117 (8,671)
AMPS							
Single Phase 120V	277.8A (4 wire) 301Ax2 (zigzag)	333.3A (4 wire) 361Ax2 (zigzag)	400A (4 wire)	488.9A (4 wire)	666.7A (4 wire)	888.9A (4 wire)	1333.3A (4 wire)
Single Phase 240V	138.9 (4 wire) 301A (zigzag)	166.7 (4 wire) 361A (zigzag)	200A (4 wire)	244.4A (4 wire)	333.3A (4 wire)	444.4A (4 wire)	666.7A (4 wire)
Three Phase 240V	301A	361A	433A	529A	722A	962A	1443.4A
Three phase 480V	150A	180A	216A	265A	361A	481A	721.7A

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