

MQ Power Super-Silent WhisperWatt 125 to 400 kVA - Single / Three Phase

Model	DCA125SSIU4F	DCA150SSJU4F	DCA180SSJU4F	DCA220SSJU4F	DCA300SSJU4F2	DCA400SSI4F
GENERATOR						
Design	Revolving Field Self-Ventilated, Drip-Proof, Single Bearing					
No. of Poles	4					
Excitation	Brushless with AVR					
Standby Output	110kW (137kVA)	132kW (165kVA)	158 kW (198kVA)	194 kW (242KVA)	264 kW (330kVA)	336 kW (420kVA)
Prime Output	100kW (125kVA)	120kW (150kVA)	144kW (180kVA)	176 kW (220kVA)	240 kW (300kVA)	320 kW (400kVA)
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	74	72	69
DIESEL ENGINE						
Make / Model	Isuzu 4HK1X	John Deere 6068HFG08	John Deere 6068HFG05	John Deere 6068HFG09	John Deere 6090HFG06	Isuzu 6WG1X
Emissions	Tier 4 Final					
Starting System	Electric					
Design	4-cycle Water cooled Direct injection Turbocharged Charge Air cooled, EGR, DOC and SCR	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled EGR, DOC, DFP & SCR	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled EGR, DOC & SCR	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled EGR, DOC, DFP & 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 EGR, DOC and SCR
Displacement	5193 cc	6,800 cc			9,000 cc	15,681 cc
No. of Cylinders	4	6			6	6
Bore x Stroke (mm)	115 x 125	106 x 127			118 x 136	147 x 154
Gross Engine Power Output	152	240	257	322	437	512.3
Full Tank Capacity gal. (liters)	169 (640)	69 (260)	319 (1210)	69 (260)	430.6 (1630)	55.5 (210)
Fuel Consumption	7.1 (26.9)	8.4 (31.9)	10.1 (38.3)	12.5 (47.1)	16.7 (63.2)	22.5 (85.1)
Full load gph (lph)	5.6 (21.2)	6.5 (24.7)	7.8 (29.4)	9.7 (36.4)	12.5 (47.4)	17.3 (65.5)
3/4 load gph (lph)	4.1 (15.5)	4.9 (18.4)	5.8 (21.8)	6.9 (26.1)	8.9 (33.8)	12.2 (46.0)
1/2 load gph (lph)	2.6 (10.0)	3.2 (12.1)	4.0 (15.2)	4.4 (16.7)	5.8 (21.9)	7.7 (29.0)
DEF Tank Capacity gal. (liters)	7.4 (28)	14.5 (55)	29.7 (112.4)	14.5 (55)	29.7 (112.4)	14.8 (56)
Coolant Capacity gal. (liters)	10.3 (39)	10.3 (39)	10.5 (39.7)	10.3 (39)	17.7 (67)	19.4 (73.6)
Oil Capacity gal. (liters)	6.05 (22.9)	8.18 (31.0)	8.58 (32.5)	8.2 (31.0)	9.3 (35.0)	15.1 (57.0)
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)	138 x 52 x 69 (350 x 130 x 175)	141 x 52 x 90 (360 x 130 x 228)	138 x 52 x 71 (350 x 130 x 180)	150 x 59 x 97 (380 x 150 x 245)	181 x 59 x 89 (460 x 150 x 225)
Approx Net Wt lbs. (kg)	5291 (2400)	6615 (3000)	8532 (3,870)	7,695 (3,490)	11,220 (5,090)	12,280 (5,570)
AMPS						
Single Phase 120V	277.8A (4 wire) 301Ax2 (zigzag)	333.3A (4 wire) 361Ax2 (zigzag)	400 (4 wire)	488.9A (4 wire)	666.7A (4 wire)	888.9A (4 wire)
Single Phase 240V	138.9 (4 wire) 301A (zigzag)	166.7 (4 wire) 361A (zigzag)	200 (4 wire)	244.4A (4 wire)	333.3A (4 wire)	444.4A (4 wire)
Three Phase 240V	301A	361A	433A	529A	722A	962A
Three phase 480V	150A	180A	216A	265A	361A	481A