

MQ Power Super-Silent WhisperWatt 7.5 to 150 kVA - Single / Three Phase

MODEL	TLG8SSK4F	DCA25SSIU4F	DCA40SSKU4F	DCA45SSIU4F	DCA70SSIU4F	DCA125SSIU4F	DCA150SSJU4F
GENERATOR							
Design	Revolving Field Self - Ventilated, Drip-Proof, Single Bearing						
No. of Poles	2	4-poles					
Excitation	Brushless with AVR						
Standby Output (kW)	6.4kW (8kVA)	22kW (27kVA)	28.8kW (36kVA)	40kW (50kVA)	62kW (77kVA)	110kW (137kVA)	132 kW(165kVA)
Prime Output (kW)	6kW (7.5kVA)	20 kW (25kVA)	39.7kW (37 kVA)	36kW (45kVA)	56kW (70kVA)	100kW (125kVA)	120kW (150kVA)
Generator RPM	3600	1800					
Voltage- 3 Phase	208, 220, 240	208, 220, 240, 416, 440, 460, 480V Switchable					
Voltage- 1 Phase*	120, 127, 139	120, 127, 139, 240, 254, 277V Switchable					
Armature Connection	Wye	Star with Neutral / ZigZag					
Voltage Regulation (No Load to Full Load)	±1.5%	± 0.5%					
Frequency	60 Hz						
Frequency Regulation (No Load to Full Load)	±0.25% Steady state	±0.25% Electronic Governor					
Power Factor	0.8						
Sound Level dB(A) Full Load at 23 feet	64	65	61	66	65	66	66
DIESEL ENGINE							
Make / Model	Kubota Z482 - E3B	Isuzu 4LE2T	Kubota V2403-CR-T	Isuzu 4LE2X	Isuzu 4JJ1X	Isuzu 4HK1X	John Deere 6068HFG08
Emissions	Tier 4 Final						
Starting System	Electric						
Design	Vertical, 4-cycle, liquid cooled, diesel engine	4-cycle Water cooled Direct injection Turbocharged EGR, DOC	4-cycle Water cooled Direct injection Turbocharged EGR, DOC, DPF	4-cycle Water cooled Direct injection Turbocharged Charge air Cooled EGR, DOC	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, DPF & SCR
Displacement	479 cc	2179 cc	2434 cc	2179 cc	2999 cc	5193 cc	6800 cc
No. Cylinders	2	4	4	4	4	4	6
Bore x Stroke (mm)	64 x 68	85 x 96	87 x 102	85 x 96	95 x 105	115 x 125	106 x 127
Gross Engine HP	12.3	40.2	48.3	65.7	92.5	152	240
Fuel Tank Capacity gal. (liters)	6.8 (26)	41.7 (158)	26 (100)	79.2 (300)	103 (390)	169 (640)	69 (260)
Fuel Consumption full load gph(lph)	0.69 (2.6)	1.66 (6.3)	2.2 (8.5)	2.7 (10.4)	4.4 (16.6)	7.1 (26.9)	8.4 (31.9)
3/4 load gph(lph)	0.55 (2.1)	1.21 (4.6)	1.7 (6.4)	2.1 (8)	3.5 (13.4)	5.6 (21.2)	6.5 (24.7)
1/2 load gph(lph)	0.48 (1.8)	0.85 (3.2)	1.2 (4.4)	1.5 (5.6)	2.6 (9.8)	4.1 (15.5)	4.9 (18.4)
1/4 load gph(lph)	0.37 (1.4)	0.58 (2.2)	0.8 (2.9)	0.9 (3.4)	1.7 (6.4)	2.6 (10.0)	3.2 (12.1)
DEF Tank Capacity gal. (liters)	N/A	N/A	N/A	N/A	7.4 (28)	7.4 (28)	14 (55)
Coolant Capacity gal. (liters)	0.7 (2.9)	2.3 (8.8)	2.77 (10.5)	4.44 (16.8)	5.5 (21)	10.3 (39)	10.3 (39.0)
Oil Capacity gal. (liters)	0.66 (2.5)	2.8 (10.5)	3.4 (12.7)	3.2 (12.2)	3.96 (15)	6.05 (22.9)	8.18 (31.0)
Battery	12V 35Ah x 2	12V 53Ah x 1	12V 53Ah x 11	12V 72Ah x 1	12V 75Ah x 1	12V 150Ah x 1	12V 150Ah x 2
SIZE							
LxWxH in (cm)	43.3 X 24 X 28.3 (110 X 61 X 72)	72 x31 x 50 (182 x 79 x 126)	76 x 37 x 53 (194 x 95 x 135)	84 x 35 x 61 (213 x 95 x 155)	105 x 38 x 69 (267x95x173)	120 x 49 x 73 (305x124x185)	138 x 52 x 69 (350x130x175)
Approx Net Wt lb (kg)	580 (263)	1,797 (815)	2250 (1020)	2,337 (1,060)	3329 (1510)	5291 (2400)	6615 (3000)
AMP							
Single Phase 120V	16.66 (4 wire)	55.6A (4 wire)	80A (4 wire)	100A (4 wire)	155.5A (4wirer)	277.8A (4wire)	333.3A (4wire)
	N/A	60Ax2 (zigzag)	108A x 2 (zigzag)	108A x 2 (zigzag)	168Ax2 (zigzag)	301Ax2 (zigzag)	361Ax2 (zigzag)
Single Phase 240V	N/A	27.8A (4 wire) 60A (zigzag)	40A (4 wire) 108A (zigzag)	50A (4wire) 108A (zigzag)	77.8A (4wire) 168A (zigzag)	138.9 (4wire) 301A (zigzag)	166.7A (4 wire) 361A (zigzag)
Three Phase 240V	18A	60A	86A	108A	168A	301A	361A
Three Phase 480V	N/A	30A	43A	54A	84A	150A	180A