

MQ Power WhisperWatt 25 kVA to 180 kVA – Single / Three Phase

MODEL	DCA25SSI	DCA45SSI	DCA70SSI	DCA85SSJ*	DCA125SSI	DCA150SSJ	DCA150SSI	DCA180SSJ
Generator								
Design	Revolving field, Self-Ventilated, Drip-Proof, Single Bearing							
No. of poles	4-pole							
Excitation	Brushless with AVR							
Standby rating	22 kW (27.5kVA)	40 kW (50kVA)	62 kW (77kVA)	75 kW (94kVA)	110 kW (137kVA)	132 kW (165kVA)	132 kW (165kVA)	158 kW (198kVA)
Prime rating	20 kW (25kVA)	36 kW (45kVA)	56 kW (70kVA)	68 kW (85kVA)	100 kW (125kVA)	120 kW (150kVA)	120 kW (150kVA)	144 kW (180kVA)
Generator RPM	1800							
Voltage - 3 phase	208, 220, 240, 416, 440, 480V Switchable							
Voltage - 1 phase	120, 127, 139, 240, 254, 277V Switchable							
Armature connection	Star with neutral / Zigzag							Star with neutral
Voltage regulation (no load to full load)	±0.5%							
Frequency	60 Hz							
Frequency regulation (steady state load)	±0.25% Optional Electronic Governor +0.25%	±0.25% Includes Electronic Governor	±0.25% Includes Electronic Governor	±0.25% Includes Electronic Governor	±0.25% Includes Electronic Governor	±0.25% Includes Electronic Governor	±0.25% Includes Electronic Governor	±0.25% Includes Electronic Governor
Power factor	0.8							
Sound level dB(A) Full load at 23 feet	63	65	68	68	68	68	69	72
Diesel Engine								
Make / Model	Isuzu BV-4LE2	Isuzu BU-4JJ1T	Isuzu BJ-4JJ1X	John Deere 4045HF285	Isuzu 4HK1X	John Deere 6068HF285	Isuzu 6HK1X	John Deere 6068HF485
Emissions	Interim Tier 4	Interim Tier 4	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3
Starting system	Electric							
Design	4-cycle Water cooled Direct injection	4-cycle Water cooled Direct injection Turbocharged	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled
Displacement	2179 cc	2999 cc	2999 cc	4500 cc	5193 cc	6800 cc	7790 cc	6800 cc
No. of cylinders	4	4	4	4	4	6	6	6
Bore x Stroke (mm)	85 x 96	95.4 x 104.9	95.4 x 104.9	106 x 127	115 x 125	106 x 127	115 x 125	106 x 127
Gross HP	34.3	67.1	97.9	126	173	197	240.1	315
Fuel tank capacity gal.(liters)	17 (65)	26 (100)	40 (150)	40 (150)	63 (240)	69 (260)	74 (280)	100 (380)
Fuel consumption full load gph (lph) 3/4 load gph (lph) 1/2 load gph (lph) 1/4 load gph (lph)	1.66 (6.3) 1.21 (4.6) 0.85 (3.2) 0.58 (2.2)	2.8 (10.6) 2.1 (8.0) 1.5 (5.6) 0.9 (3.4)	4.1 (15.4) 3.1 (11.9) 2.2 (8.4) 1.4 (5.2)	5.3 (20.2) 4.4 (16.6) 3.3 (12.4) 2.0 (7.5)	7.3 (27.6) 5.7 (21.7) 4.1 (15.4) 2.5 (9.5)	9.0 (33.9) 7.1 (26.9) 5.2 (19.7) 3.0 (11.5)	8.9 (33.6) 7.5 (28.3) 5.0 (19.0) 3.1 (11.9)	11.4 (43.0) 9.0 (36.7) 6.6 (25.1) 4.3 (16.2)
Coolant capacity gal. (liters)	1.74 (6.6)	2.96 (11.2)	3.09 (11.7)	3.91 (14.8)	5.33 (20.2)	4.6 (17.5)	7.8 (29.5)	6.4 (24.0)
Oil capacity gal. (liters)	2.25 (8.5)	3.96 (15.0)	3.96 (15.0)	3.88 (14.7)	6.1 (23.0)	8.19 (31.0)	10.6 (40.0)	8.19 (31.0)
Battery	12V 53Ah	12V 72Ah	12V 72Ah	12V 72Ah	12V 128Ah	12V 128Ah	12V 100Ah x 2 24V system	12V 128Ah
Size								
LxWxH in. (cm)	73 x 30 x 39 (185 x 75 x 100)	76 x 35 x 49 (194 x 90 x 125)	94 x 35 x 55 (240 x 90 x 140)	102 x 35 x 55 (260 x 90 x 140)	120 x 44 x 56 (305 x 110 x 140)	126 x 48 x 59 (320 x 120 x 150)	134 x 48 x 59 (340 x 120 x 150)	138 x 49 x 67 (355 x 124 x 170)
Approx Net Wt lbs. (kg)	1411 (640)	2282 (1035)	2755 (1250)	3547 (1609)	4700 (2131)	5313 (2410)	5899 (2675)	6688 (3033)
Amps								
Single phase 120V	55.6A (4 wire) 60A x 2 (zigzag)	100A (4 wire) 108A x 2 (zigzag)	155.5A (4 wire) 168A x 2 (zigzag)	188.9A (4 wire) 250A x 2 (zigzag)	277.8A (4 wire) 301A x 2 (zigzag)	333.3A (4 wire) 361A x 2 (zigzag)	333.3A (4 wire) 361A x 2 (zigzag)	400.0A (4 wire)
Single phase 240V	27.8A (4 wire) 60A (zigzag)	50A (4 wire) 108A (zigzag)	77.8A (4 wire) 168A (zigzag)	94.4A (4 wire) 250A (zigzag)	138.9 (4 wire) 301A (zigzag)	166.7A (4 wire) 361A (zigzag)	166.7A (4 wire) 361A (zigzag)	200.0A (4 wire)
Three phase 240V	60A	108A	168A	204A	301A	361A	361A	433A
Three phase 480V	30A	54A	84A	102A	150A	180A	180A	216A

*Specially designed for high single phase output

