

# MQ Power Ultra-Silent WhisperWatt Generators — Specifications

MODEL	DCA-25USI	DCA-45USI	DCA-70USJ	DCA-85USJ*	DCA-125USJ	DCA-150USJ
<b>Generator</b>						
Design	Revolving field Self-ventilated Dip-proof Single bearing					
No of poles	4-poles					
Excitation	Brushless with AVR					
Standby output	22 KW(27 KVA)	37 KW(47KVA)	61 KW(77KVA)	70 KW(88KVA)	110 KW(137KVA)	132 KW(165KVA)
Prime output	20 KW(25KVA)	36 KW(45KVA)	56 KW(70KVA)	66 KW(82KVA)	100 KW(125KVA)	120 KW(150KVA)
Generator RPM	Revolving field Self-ventilated Dip-proof Single bearing					
Voltages — 3ø	Revolving field Self-ventilated Dip-proof Single bearing					
Voltages — 1ø	120, 127, 139, 240, 254, 277V Switchable					
Amature connection	Star with neutral / Zigzag					
Voltage regulation (steady state load)	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Voltage regulation (no load to full load)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Frequency	60 Hz					
Frequency regulation	3% - 5%*	3% - 5%*	0.25%	0.25%	0.25%	0.25%
Power factor	0.8					
Sound Level dB(A) Full Load at 23 ft.	56	57	60	61	62	63
<b>Diesel Engine</b>						
Make / Model	Isuzu AA-4LE2	Isuzu BB-4JG1T	John Deere 4045TF270	John Deere 4045TF275	John Deere 6068TF275	John Deere 6068HF275
Starting System	Electric					
Design	4-cycle Water cooled Direct injection	4-cycle Water cooled Direct injection Turbocharger	4-cycle Water cooled Direct injection Turbocharger	4-cycle Water cooled Direct injection Turbocharger	4-cycle Water cooled Direct injection Turbocharger	4-cycle Water cooled Direct injection Turbocharger Air to Air
Displacement	2179 cc	3059 cc	4500 cc	4500 cc	6800 cc	6800 cc
No. cylinders	4	4	4	4	6	6
Bore x Stroke(mm)	85 x 96	95.4 x 107	106 x 127	106 x 127	106 x 127	106 x 127
Gross Engine Power Output	35.9	64.8	99.0	113.0	165.0	220.0
HP at Rated Speed	31.9	55.3	90.0	102.0	150.0	200.0
Fuel Tank Capacity	41.7gal (158 liter)	79.2 gal (300 liter)	127 gal (480 liter)	127 gal (480 liter)	169gal (640 liter)	214 gal (810 liter)
Fuel Cosumption full load gph (lph)	1.44 (5.47)	2.6 (9.84)	3.8 (14.4)	5.7 (21.7)	7.7 (29.0)	10.0 (37.7)
¾ load gph(lph)	1.05 (3.99)	1.97 (7.47)	3.1 (11.7)	4.3 (16.4)	5.8 (21.9)	7.4 (27.9)
½ load gph(lph)	0.74 (2.81)	1.43 (5.42)	2.3 (8.7)	3.0 (11.2)	3.8 (14.5)	4.9 (18.7)
¼ load gph(lph)	0.45 (1.7)	0.87 (3.3)	1.8 (6.8)	1.7 (6.3)	2.5 (9.3)	2.8 (10.5)
Coolant capacity gal (liters)	1.7 (6.4)	3.6 (13.7)	3.70 (14.0)	3.70 (14.0)	4.43 (16.8)	4.43 (16.8)
Oil capacity gal (lit)	2.24 (8.5)	2.64 (10.0)	3.49 (13.2)	3.49 (13.2)	5.25 (19.9)	5.25 (19.9)
Battery	12V 53Ah	12V 72Ah	12V 72Ah	12V 72Ah	12V 128Ah	12V 128Ah
<b>Size</b>						
LxWxH in. (cm)	70 x 31 x 50 (179 x 79 x 126)	82 x 37 x 61 (209 x 95 x 155)	109 x 49 x71 (277 x 124 x 180)	109 x 49 x 71 (277 x 124 x 180)	120 x 49 x 73 (305 x 124 x 186)	128 x 49 x 75 (325 x 124 x 191)
Aprox Net Wt lb (kg)**	1840 (835)	2940 (1334)	4690 (2127)	4780 (2168)	6031(2735)	6690 (3035)
<b>Amp</b>						
Single Phase 120V	55.6A (4 wire) 60Ax2 (zigzag)	100A (4 wire) 108Ax2 (zigzag)	155.5A (4wire) 168Ax2 (zigzag)	182.2A (4 wire) 250Ax2 (zigzag)	277.8A (4wire) 301Ax2 (zigzag)	333.3A (4wire) 361Ax2 (zigzag)
Single Phase 240V	27.8A (4 wire) 60A (zigzag)	50A (4wire) 108A (zigzag)	77.8A (4wire) 168A (zigzag)	91.2A (4wire) 250A (zigzag)	138.9 (4wire) 301A (zigzag)	166.7A (4 wire) 361A (zigzag)
Three Phase 240V	60A	108A	168A	197A	301A	361A
Three Phase 480V	30A	54A	84A	99A	150A	180A

\* Optional Electronic Governor available (0.25%)

Units mfg. by Denyo Mfg. Corp.

Features and specifications are subject to change without notice.  
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