

MQ Power WhisperWatt 10 kW to 56 kW – Single Phase

MODEL	DCA-10SPX	TLG-12SPX	DCA-15SPX	DCA-20SPX	DCA-36SPX	DCA-56SPX
Generator						
Design	Revolving field, Self-ventilated, Drip-proof, Single bearing					
No. of poles	4-pole	2-pole	4-pole	4-pole	4-pole	4-pole
Excitation	Brushless with AVR					
Standby rating	11 kW	13 kW	16.5 kW	22 kW	40 kW	62 kW
Prime rating	10 kW	12 kW	15 kW	20 kW	36 kW	56 kW
Generator RPM	1800	3600	1800	1800	1800	1800
Voltage - 1 phase	120/240					
Armature connection	Series					
Voltage regulation (no load to full load)	± 0.5%					
Frequency	60 Hz					
Frequency regulation (steady state load)	± 0.25% Includes Electronic Governor	3-5% Optional Electronic Governor ±0.25%	± 0.25% Includes Electronic Governor	3-5% Optional Electronic Governor ±0.25%	± 0.25% Includes Electronic Governor	± 0.25% Includes Electronic Governor
Power factor	1.0					
Sound level dB (A) Full load at 23 feet	61	68	62	63	65	68
Diesel Engine						
Make / Model	Kubota D1503	Kubota D902	Kubota V2203	Isuzu BV-4LE2	Isuzu BB4JJ1T	Isuzu BJ-4JJ1X
Emissions	Tier 4	Tier 4	Interim Tier 4	Interim Tier 4	Interim Tier 4	Tier 3
Starting system	Electric					
Design	4-cycle Water cooled Swirl Chamber	4-cycle Water cooled Swirl Chamber	4-cycle Water cooled Swirl Chamber	4-cycle Water cooled Direct injection	4-cycle Water cooled Direct injection Turbocharged	4-cycle Water cooled Direct injection Turbocharged Charge Air Cooled
Displacement	1499 cc	898 cc	2197 cc	2179 cc	2999cc	2999 cc
No. of cylinders	3	3	4	4	4	4
Bore x Stroke (mm)	83 x 92.4	72 x 73.6	87 x 92.4	85 x 96	95.4 x 104.9	95.4 x 104.9
Gross HP	24.5	24.8	36.1	34.3	67.1	97.9
Fuel tank capacity gal.(liters)	16.4 (62)	13.5 (51)	16.4 (62)	17 (65)	26 (100)	40 (150)
Fuel consumption						
full load gph (lph)	0.97 (3.7)	1.4 (5.2)	1.37 (5.2)	1.66 (6.3)	2.8 (10.6)	4.1 (15.4)
3/4 load gph (lph)	0.75 (2.8)	1.1 (4.4)	1.09 (4.1)	1.21 (4.6)	2.1 (8.0)	3.1 (11.9)
1/2 load gph (lph)	0.58 (2.2)	1.0 (3.8)	0.84 (3.2)	0.85 (3.2)	1.5 (5.6)	2.2 (8.4)
1/4 load gph (lph)	0.44 (1.7)	0.8 (3.1)	0.63 (2.4)	0.58 (2.2)	0.9 (3.4)	1.4 (5.2)
Coolant capacity gal. (liters)	1.85 (7.0)	0.92 (3.5)	2.09 (7.9)	1.74 (6.6)	2.96 (11.2)	3.09 (11.7)
Oil capacity gal. (liters)	1.48 (5.6)	0.95 (3.6)	2.0 (7.6)	2.25 (8.5)	3.96 (15.0)	3.96 (15.0)
Battery	12V 65Ah x 1	12V 45Ah x 1	12V 65Ah x 1	12V 53Ah x 1	12V 72Ah x 1	12V 72Ah x 1
Size						
L x W x H in. (cm)	55 x 26 x 36 (140 x 65 x 90)	55 x 27 x 33 (140 x 69 x 85)	61 x 26 x 36 (155 x 65 x 90)	73 x 30 x 39 (185 x 75 x 100)	80 x 35 x 49 (203.5 x 90 x 125)	98.4 x 37.5 x 55 (250 x 95 x 140)
Approx Net Wt lbs. (kg)	1142 (518)	874 (396)	1300 (590)	1432 (650)	2370 (1075)	3136 (1422)
Amps						
Single phase 120V	41.7 (2 sets)	50A (2 sets)	62.5A (2 sets)	83A (2 sets)	150A (2 sets)	233A (2 sets)
Single phase 240V	41.7A	50A	62.5A	83A	150A	233A

