

MQ Power Studio Generators

MODEL	EGS500C3	EGS1400C3	EGS1600C3	EGS1800C3	EGS2400C3
Generator					
Design	Revolving field, Self-Ventilated, Drip-Proof, Single Bearing				
No. of poles	4-pole				
Excitation	Brushless with AVR				
Prime Rating kW (kVA)	60 (75)	168 (210)	192 (240)	215 (268)	285 (356)
Generator RPM	1800				
Voltage - 3 phase	120/208				
Voltage - 1 phase	120/240				
Armature connection	12-Lead WYE				
Voltage Regulation (no load to full load)	±1%				
Power Factor	0.8				
Frequency	60 Hz				
Frequency regulation (Steady State Load)	±0.25%	±0.25%	±0.25%	±0.25%	±0.25%
Insulation	Class H				
Diesel Engine					
Make / Model	Cummins QSB5-G3	Cummins QSB7-G5	Cummins QSL9-G2	Cummins QSL9-G2	Cummins QSM11-G4
Emissions	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3
Starting system	Electric				
Design	4 cycle Direct Injection Turbocharged Charge Air Cooled	4 cycle Direct Injection Turbocharged Charge Air Cooled	4 cycle Direct Injection Turbocharged Charge Air Cooled	4 cycle Direct Injection Turbocharged Charge Air Cooled	4 cycle Direct Injection Turbocharged Air to Air aftercooled
Displacement liters (in ³)	4.5 l (275)	6.69 (408)	8.81 (543)	8.81 (543)	10.81 (661)
No. of cylinders	4	6			
Bore x Stroke Inch (mm)	4.21 x 4.88 (107 x 124)	4.21 x 4.88 (107 x 124)	4.49 x 5.69 (114 x 145)	4.49 x 5.69 (114 x 145)	4.92 x 5.79 (125 x 147)
HP at rated speed	126	279	320	320	426
Fuel consumption					
full load gph (lph)	6.9 (26)	13.3 gph (64)	16.8 (64)	16.8 (64)	20.7 (78)
3/4 load gph (lph)	5.6 (21)	10.6 gph (40)	13.4 (51)	13.4 (51)	15.5 (59)
1/2 load gph (lph)	3.9 (15)	7.8 gph (30)	9.3 (35)	9.3 (35)	10.6 (40)
1/4 load gph (lph)	2.2 (8)	4.0 gph (15)	4.7 (18)	4.7 (18)	6.3 (24)
Coolant capacity gal. (liters)	4.5 (17)	7.8 (29)	7.8 (29.5)	7.8 (29.5)	TBD
Oil capacity gal. (liters)	3.2 (12.1)	5 (19)	7 (26.5)	7 (26.5)	9.7 (36.7)
Battery	12 VDC	24 VDC	24 VDC	24 VDC	24 VDC
Size					
L x W x H in. (cm)	100 x 48 x 66 (254 x 122 x 168)	100 x 48 x 87 (254 x 122 x 221)	100 x 48 x 87 (254 x 122 x 221)	100 x 48 x 87 (254 x 122 x 221)	120 x 60 x 109 (305 x 152 x 277)
Approx Net Wt lbs. (kg)	3500 (1588)	5440 (2739)	6600 (2994)	6600 (2994)	9000 (4082)
Amps					
Single phase 120V (Total Current)	500	1400	1600	1800	2400
Single phase 240V (Total Current)	250	700	800	900	1200
Three phase 208V (Line Current)	167	466	533	600	800
Three phase 480V (Line Current)	72	202	231	260	346
Optional Trailers					
Dimensions in. (cm)	167.6 x 72 x 23.5 (426 x 183 x 60)	180 x 72 x 23.5 (457 x 183 x 60)	180 x 72 x 23.5 (457 x 183 x 60)	180 x 72 x 23.5 (457 x 183 x 60)	212 x 84 x 25 (538 x 213 x 64)
No. of Axles	Single axle, electric or hydraulic brakes	Tandem axle, electric or hydraulic brakes			
Fuel Tank Capacity gal. (liters)	100 (379)	150 (567)	150 (567)	150 (567)	300 (1,135)



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