

Crawford Studio Generators





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For nearly half a century, MQ Power's Crawford studio generators have provided the entertainment industry with the dependable, long-lasting power it needs to keep the lights on, the music playing and the cameras rolling.

Our studio generators can be customized to meet the individual needs of the application and each can be mounted on a tandem-axle trailer for easy hauling

The Crawford line is offered in 250-, 500-, 800-, 1400-, and 2400-amp models all powered by reliable Volvo or Cummins engines for movies, concerts, parades and any other special event. They can be customized to meet the individual needs of the application and each can be mounted on a tandem-axle trailer for easy hauling. The line boasts extremely clean power with the electronic governor and voltage regulator holding frequency to +/- 0.25% and voltage to +/- 1%.

Each Crawford generator places a premium on a quiet, powerful performance. Lightweight aluminum sound-silenced housing and automatic overhead doors keep noise to a minimum. The units also have a critical grade exhaust silencer, an oversized radiator, two layers of acoustic insulation, engine-mounted isolators to reduce sound transfer and vibration, and engines that satisfy all EPA emissions standards.

Each unit contains analog or digital control panels configured to meet the operator's needs

The Crawford line of studio generators contains analog or digital control panels configured to meet the operator's needs while an overhang panel protects the instrumentation. Large doors on each generator allow technicians easy access to all internal parts. Our portable design also facilitates easy transportation to and from any entertainment or special event.



Since many entertainment events are outdoors, the generators feature weather-tight enclosures to withstand the elements and promote a longer life. And to keep up with the changing tastes and fashion within the entertainment industry, custom colors and a wide range of other unique options are also available.

So the next time your favorite band takes the stage, a musical hits Broadway, or filming begins on next summer's blockbuster hit, you can always count on MQ Power's Crawford Studio Generators never skipping a beat.

MQ Power. Perfecting power generation.

Crawford Studio Generators — Specifications

Model	EGS250H	EGS500C	EGS800V	EGS1400V	EGS2400V
Generator					
Design	Revolving Field, Self-Ventilated, Drip-Proof, Single Bearing				
No. of Poles	4 Poles				
Excitation	Brushless with AVR				
Prime Output kW (kVA)	30 (37.5)	60 (75)	100 (125)	175 (218.75)	283 (353.75)
Generator RPM	1800				
Voltage – 3 phase	208, 220, 240, 416, 440, 480				
Voltage – 1 phase	120, 127, 139, 240, 254, 277				
Armature Connection	12-Lead WYE				
Voltage Regulation (No Load to Full Load)	±1%				
Power Factor	0.8				
Frequency	60 HZ				
Insulation	Class H				

Diesel Engine

Make/Model	Hatz Air Cooled 4L41C	Cummins 4BTA3.9-G4	Volvo TAD630VE	Volvo TWD731VE	Volvo TAD1240GE
Starting System	Electric Motor, Solenoid Shift				
Design	Direct Injection Naturally Aspirated	Direct Injection Turbocharged Aftercooled	Direct Injection Turbocharged Aftercooled	Direct Injection Turbocharged	Direct Injection Turbocharged Air To Air Aftercooled
Displacement	3432 cc	3900 cc	5480 cc	6700 cc	12,130 cc
No. of Cylinders	4	4	6	6	6
Bore x Stroke In (mm)	4.02 x 4.13 (102 x 105)	4.02 x 4.72 (102 x 120)	3.88 x 4.72 (98 x 120)	4.12 x 5.12 (104 x 130)	5.16 x 5.91 (131 x 150)
HP at Rated Speed	50	93	189	178	408
Fuel Consumption at Full Load Gph (lph)	2.5 (9.5)	4.8 (18.2)	8.1 (30.7)	11.7 (44.3)	22.9 (86.7)
at 3/4 Load Gph (lph)	1.9 (7.2)	3.2 (12.1)	6.1 (23.1)	9.1 (34.4)	17.5 (66.2)
at 1/2 Load Gph (lph)	1.12 (4.23)	2.3 (8.7)	4.3 (16.3)	6.2 (23.5)	12.3 (46.6)
at 1/4 Load Gph (lph)	0.8 (3.0)	1.4 (5.3)	2.6 (9.8)	3.4 (12.9)	7.1 (26.9)
Coolant Capacity Gal (liters)	N/A	4.1 (15.5)	4.8 (18)	4.2 (15.9)	7.3 (27.6)
Oil Capacity Gal (liters)	3.0 (11.4)	2.9 (11)	5.0 (19)	7.6 (29)	8.2 (31)
Battery	12 VDC System		24 VDC System		

Size

L x W x H In (cm)	65 x 39 x 45 (165 x 99 x 114)	96 x 48 x 46 (244 x 122 x 117)	96 x 48 x 87 (244 x 122 x 221)	96 x 48 x 87 (244 x 122 x 221)	120 x 60 x 109 (305 x 152 x 227)
Approx Net Wt Lbs (kg)	1200 (448)	3500 (1306)	5500 (2053)	6480 (2419)	9000 (3359)

Amps

Single Phase 120V	250A	500A	833A	1458A	2333A
Single Phase 240V	125V	250A	416A	729A	1166.5A
Three Phase 208V	104A	208A	347A	607A	982A
Three Phase 240V	90A	180A	300A	526A	851A
Three Phase 480V	45A	90A	150A	263A	426A

Optional Trailers

Dimensions In (cm)	167 x 72 x 24 (424 x 183 x 61)	180 x 90 x 22 (457 x 229 x 56)	180 x 90 x 22 (457 x 229 x 56)	180 x 90 x 22 (457 x 229 x 56)	209 x 72 x 26 (531 x 183 x 66)
No. of Axles	Single Axle	Tandem Axle, Electric or Hydraulic Brakes			
Fuel Tank Capacity Gal (liters)	60 (227)	160 (606)	160 (606)	160 (606)	350 (1325)

Features and specifications are subject to change without notice.
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