

MQ Power Containerized Generators

MODEL	EGC-500C	EGC-550V	EGC-800C	EGC-1000C	EGC-1500C	EGC-2000C
Generator						
Design	Revolving field, Self-Ventilated, Drip-Proof, Single Bearing, Synchronous					
No. of Poles	4-pole					
Excitation	Brushless with PMG/AVR					
Standby Output (kW)	500	550	800	1000	1500	2000
Prime Output (kW)	450	500	730	900	1250	1800
Generator RPM	1800					
Voltage - 3 Phase	120/208V 277/480V				277/480V	
Armature Connection	WYE Connection					
Voltage Regulation	0.25%					
Power Factor	0.8					
Frequency	60 Hz					
Insulation	Class H					
Diesel Engine						
Make/Model	Cummins QXS15-G9	Volvo TAD1642GE	Cummins QSK23-G7	Cummins QST30-G5	Cummins QSK50-G4	Cummins QSK60-G6
Emissions	Tier 2	Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Starting System	Electric					
Design	4-cycle, Turbocharged & Aftercooled					
Displacement - cubic inches. (liters)	912 (15)	983.7 (16.12)	1413 (23.15)	1860 (30.48)	3067 (50.3)	3673 (60.2)
No. of Cylinders	In-Line 6			V-12	V-16	
Bore x Stroke - in. (mm)	5.39 x 6.65 (137 x 169)	5.67 x 6.50 (144 x 165)	5.51 x 6.50 (144 x 165)	5.51 x 6.50 (140 x 165)	6.25 x 6.25 (159 x 159)	6.25 x 7.48 (159 x 190)
HP at Rated Speed	755	796	1220	1490	1823	2922
Fuel Tank Capacity gal. (liters)	800 (3,028)		1000 (3,785)			1600 (6,056)
Standby Power Fuel Consumption at full load gph (lph)	34.4 (130.2)	38.5 (145.7)	56.4 (213.5)	72.2 (273.3)	109.4 (414.1)	138 (522.4)
Prime Power Fuel Consumption						
at full load gph (lph)	31.1 (117.7)	39 (143.8)	49 (185.5)	63.3 (239.6)	96.5 (365.3)	123.7 (468.3)
at 3/4 load gph (lph)	23.9 (90.5)	27.5 (104.1)	38.4 (145.4)	46.7 (176.8)	77.1 (291.9)	97.6 (369.5)
at 1/2 load gph (lph)	17.2 (65.1)	18.5 (70)	26.9 (101.8)	31.5 (119.2)	54.5 (206.3)	71 (268.8)
at 1/4 load gph (lph)	9.9 (37.5)	10.3 (38.9)	15.3 (57.9)	17.4 (65.9)	29.7 (112.4)	40.3 (152.6)
coolant capacity gal. (liters)	20 (75.7)	24.6 (93.1)	31 (117.3)	70 (265)	89 (336.9)	239 (904.7)
oil capacity with filters gal. (liters)	24 (90.8)	11.1 (42)	27 (102.2)	40.7 (154.1)	54 (204.4)	74 (280.1)
Battery (24 VDC series parallel connection)	4 each Group - 27			8 each Group - 27		
Size						
L x W x H (ft.)	20 x 8 x 8.5			40 x 8 x 9.5		45 x 8 x 9.5
Approx. Net Weight w/o Fuel	20,300 lbs.	20,440 lbs.	36,900 lbs.	38,460 lbs.	47,480 lbs.	65,800 lbs.
Chassis Weight	6600 lbs.			6500 lbs.		9200 lbs.
Amps						
Three Phase 208V	1735	1911	2776	3474	N/A	N/A
Three Phase 480V	752	828	1203	1504	2255	3007



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