

OLYMPIAN GENERATOR SETS (DIESEL)

CAT GENERATOR SETS (DIESEL)

OUTSIDE NORTH AMERICA DIESEL RATINGS

Gen Set Model	rpm	Standby	Prime	rpm	Standby	Prime
		60 Hz ekW			50 Hz kVA	
3-Phase Output*						
GEK8-1	—	—	—	1500	8	7
GEKH8-1	—	—	—	3000	8	—
GEK10-1	—	—	—	1500	10	9
GEKH12-1	—	—	—	3000	12	—
GEP13.5-2	1800	13	12	1500	13.8	12.5
GEP18-2	1800	17	15.5	1500	18	16.5
GEP22.2	1800	20	18	1500	22	20
GEPH22-2	—	—	—	3000	22	—
GEPH30-2	—	—	—	3000	30	—
GEPH35-2	—	—	—	3000	35	—
GEP30-1	1800	27.2	24	1500	30	27
GEP33-1	1800	30	27	1500	33	30
GEP44-5	1800	40	36	1500	44	40
GEP50-5	1800	45	40	1500	50	45
GEP55-1	1800	50	45	1500	55	50
GEP65-5	1800	60	55	1500	65	60
GEP88-1	1800	70.4	64	1500	88	80
GEP100	1800	96	88	1500	100	90
GEP110	1800	100	90.4	1500	110	100
GEP150	1800	132	120	1500	150	135
GEP165	—	—	—	1500	165	150
GEH175	1800	148	135.2	—	—	—
GEH188	1800	150.4	—	—	—	—
GEH220	1800	200	180	1500	220	200
GEH250	—	—	—	1500	250	230
GEH275	—	—	—	1500	275	250

Single Phase Output**

GEK6SP-1	—	—	—	1500	6	5.5
GEK8SP-1	—	—	—	1500	8	7
GEKH6SP-1	—	—	—	3000	6	—
GEKH9SP-1	—	—	—	3000	9	—
GEP11SP-2	1800	13	12	1500	11	10
GEP14SP-2	1800	17	15.5	1500	14	13
GEP16SP-2	1800	20	18	1500	16.5	15
GEPH17SP	—	—	—	3000	17.5	—
GEPH24SP	—	—	—	3000	24	—
GEP26SP1	1800	30	27	1500	26	24
GEP35SP5	1800	40	36	1500	35	32
GEP44SP1	1800	44	40	1500	44	40
GEP50SP5	1800	55	50	1500	50	45
GEP64SP1	1800	72	65	1500	64	58
GEP80SP1	1800	94	85	1500	80	72
GEP88SP1	1800	100	90	1500	88	80
GEP105SP1	1800	113	100	1500	105	96

*Ratings at .8 pf and 43 deg C (100 deg F)

**Ratings at 1.0 pf and 32 deg C (90 deg F)

NORTH AMERICAN DIESEL RATINGS

Model	rpm	Standby	Prime
		60 Hz ekW	60 Hz ekW
3-Phase Output*			
D200P3	1800	200	180

50 Hz OLYMPIAN RENTAL UNIT RATINGS

Model	rpm	Standby	Prime
		kVA	kVA
3-Phase Output*			
XQE20	1500	—	20
XQE27	1500	—	27
XQE45	1500	—	45
XQE80	1500	—	80
XQE100	1500	—	100
XQE135	1500	—	135
XQE200	1500	—	200
XQE250	1500	—	250

OLYMPIAN DIESEL RATING DEFINITIONS

Standby

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. Natural gas ratings have been established on these ratings. Natural gas ratings have been established on natural gas with net calorific value of approximately 36.8 MJ/m³ (988 Btu/ft³).

Prime

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10 percent overload power for 1 hour in 12 hours.

60 Hz DIESEL RATINGS

Model	rpm	Standby	Prime
		ekW	ekW
3-Phase Output*			
D13-2	1800	13	12
D18-2	1800	18	16.4
D20-4	1800	20	18
D25-6	1800	25	22.8
D30-8	1800	30	27
D40-4	1800	40	36
D50-4	1800	50	45
D60-4	1800	60	54.6
D80-4	1800	80	72
D100-4	1800	100	90
D125-6	1800	125	114
D105-8	1800	150	135
Single Phase Output**			
D13-2S	1800	13	11.8
D17-2S	1800	17	16
D20-4S	1800	20	18
D25-6S	1800	25	22.5
D30-6S	1800	30	27
D40-4S	1800	40	36
D50-4S	1800	50	45
D60-4S	1800	60	54
D75-4S	1800	75	67.5
D90-4S	1800	90	82
D100-4S	1800	100	90

*All ratings at 0.8 pf

**All ratings at 1.0 pf

60 Hz CAT RENTAL UNIT RATINGS

Model	rpm	Standby	Prime
		ekW	ekW
XQ20†	1800	20	18
XQ30†	1800	30	27
XQ45†	1800	45	41
XQ60†	1800	60	54
XQ80†	1800	80	70
XQ100†	1800	100	90
XQ230†	1800	230	210
XQ300†	1800	300	275
XQ400†	1800	400	365
XQ500†	1800	500	455
XQ600†	1800	600	545
XQ750†	1800	750	680
XQ1000†	800	1000	910
XQ1500†	1800	1500	1360
XQ2000†	1800	2000	1825

† EPA and CARB Certified

60 Hz DIESEL RATINGS 1800 rpm

Engine Model	1800 rpm		
	Standby ekW	Prime ekW	Continuous ekW
C9 ACERT™ 1, 3	250	225	—
C9 ACERT 1, 3	300	275	—
C15 ACERT 1, 3	350	320	—
C15 ACERT 1, 3	400	365	—
C15 ACERT 1, 3	450	410	—
C15 ACERT 1, 2	500	455	—
C15 ACERT 1, 2, 5	550	—	—
C18 ACERT 1, 2	550	500	—
C18 ACERT 1, 2	600	545	—
C27 ACERT 2	650	591	—
3412 1	650	591	—
C27 ACERT 2	700	635	—
3412 1	700	635	—
C27 ACERT 2	750	680	—
3412 1	750	680	—
C27 ACERT 2	800	725	—
3412 1	800	725	—
3508 4	—	820	660
C32 ACERT 1, 2	900	810	740
3508B 1	—	910	832
C32 ACERT 1, 2	1000	910	830
3512	1100	1000	890
3512B 2	1250	1135	1030
3512	1250	1135	1010
3512B 4	1400	1275	1235
3512C 2	1500	—	—
3512B 1	1500	1360	1230
3512B 4	1500	1360	1230
3516B 1	1750	1600	1450
3516	1750	1600	1450
3516B 4	2000	1825	1640
3516C 2	2000	—	—
3516B 1	2000	1825	1640
3516B 1	2250	—	—
3516C 2	2500	—	—

1 EPA Tier 1 Capable

2 EPA Tier 2 Certified

3 EPA Tier 3 Certified

4 Low Emission-non certified

5 ESP-Emergency Standby

60 Hz DIESEL RATINGS

Engine Model	1200 rpm		
	Standby ekW	Prime ekW	Continuous ekW
3508	—	425	400
3508B	—	600	520
3512	—	1000	870
3512B	—	1015	890
3516	—	1250	1100
3516B	—	1285	1145
3516B	—	1450	1325
900 rpm			
6CM20	—	—	980
8CM20	—	—	1300
9CM20	—	—	1470
3606	2000	1820	1650
3608	2660	2420	2200
3612	4000	3640	3300
3616	5320	4840	4400
720 rpm			
3606	1680	1525	1375
6CM25	—	—	1730
3608	2220	2020	1830
8CM25	—	—	2230
9CM25	—	—	2500
3612	3360	3050	2750
3616	4440	4040	3660
12CM32	—	—	5590
16CM32	—	—	7450
600 rpm			
6CM32	—	—	2765
8CM32	—	—	3725
9CM32	—	—	4190
514 rpm			
6CM43	—	—	5240
7CM43	—	—	6110
8CM43	—	—	6980
9CM43	—	—	7860
12CM43	—	—	10475

50 Hz DIESEL RATINGS

Engine Model	1500 rpm		
	Standby kVA	Prime kVA	Continuous kVA
3406	300	275	—
3406	350	320	—
3406	400	365	—
C15 ACERT	400	365	—
3456	450	410	—
C15 ACERT	450	410	—
C15 ACERT	500	455	—
C15 ACERT	550	—	—
C18 ACERT	550	500	—
C18 ACERT	600	545	—
C18 ACERT	650	591	—
C18 ACERT	700	635	—
3412	750	680	—
3412	800	725	—
C32 ACERT	1000	910	830
C32 ACERT	1100	1000	910
3512	1250	1135	1010
3512B	1250	1135	1010
3512B	1400	1275	1230
3512B	1500	1360	1230
3512B	1500	1360	—
3516B	1750	1600	1450
3516B	2000	1825	1640
3516B	2250	2000	—
3516	2250	2000	—

50 Hz DIESEL RATINGS

Engine Model	1000 rpm		
	Standby kVA	Prime kVA	Continuous kVA
3508	—	500	488
3508B	—	738	638
3512	—	1050	969
3512B	—	1100	1013
3516	—	1400	1225
3516B	—	1475	1288
6CM20	—	—	1368
8CM20	—	—	1825
9CM20	—	—	2025
3606	2688	2425	2200
3608	3575	3250	2938
3612	5375	4	

NORTH AMERICA GAS RATINGS

Gen Set Model	rpm	Standby* 60 Hz — ekW		Prime** 60 Hz — ekW	
		LP	Natural	LP	Natural
3-Phase Output*					
G12U3	1800	12	12	11	11
G15U3	1800	15	15	13.5	13.2
G20UH3	3600	20	20	—	—
G20F3	1800	20	20	18	18
G25UH3	3600	25	25	—	—
G25F3	1800	25	25	22.5	21
G30F3	1800	30	30	27	27
G40F3	1800	40	40	36	36
G50F3	1800	50	45	42.5	37.5
G60F3	1800	60	60	55	55
G80F3	1800	80	75	68	63.5
G100F3	1800	—	100	—	85
G125G1	1800	—	125	—	114
G150G1	1800	—	150	—	—
Single Phase Output**					
G10U3S	1800	10	10	9	9
G15U3S	1800	15	15	13.5	13
G17.5UH3S	3600	17.5	17.5	—	—
G20F3S	1800	20	20	18	18
G25UH3S	3600	25	25	—	—
G25F3S	1800	25	21	22.5	18
G30F3S	1800	30	30	27	27
G35F3S	1800	35	35	31.5	31.5
G45F3S	1800	45	42.5	40	36
G55F3S	1800	55	55	50	50
G75F3S	1800	75	70	64	60
G100F3S	1800	—	100	—	85

*Ratings at .8 pf and 43 deg C (100° F).
**Ratings at 1.0 pf and 32 deg C (90° F).

OUTSIDE NORTH AMERICA GAS RATINGS

Gen Set Model	rpm	Standby		Prime	
		60 Hz — ekW			
		LP	Natural	LP	Natural
3-Phase Output*					
GEUG16-1	1800	16	15	13.5	13.5
GEFG25-1	1800	25	25	22.5	21.2
GEUHG30-1	3600	25	25	—	—
Single Phase Output**					
GEUG13S1	1800	16	15	13.5	13
GEFG20S1	1800	25	23	22	20
GEUHG24S1	3600	25	25	—	—
Gen Set Model	rpm	Standby		Prime	
		50 Hz — kVA			
		LP	Natural	LP	Natural
3-Phase Output*					
GEUG16-1	1500	16.5	15	14	12.5
GEFG25-1	1500	25	22	22	19
GEUHG30-1	3000	30	30	—	—
Single Phase Output**					
GEUG13S1	1500	13	11.8	11	10
GEFG20S1	1500	20	17.5	17	14.8
GEUHG24S1	3000	24	24	—	—

OLYMPIAN GAS RATING DEFINITIONS

Standby — These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. Natural gas ratings have been established on natural gas with net calorific value of approximately 36.8 MJ/m³ (**988 Btu/ft³**).

Prime — These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10 percent overload power for 1 hour in 12 hours.

CAT GAS RATING DEFINITIONS

TA — Turbocharged-Aftercooled
ekW — Generator output at 0.8 pf
kVA — Generator output

Standby — These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. Natural gas ratings have been established on natural gas with net calorific Low Heat Value (LHV) of approximately 35.6 MJ/m³ (**905 Btu/ft³**) and 80 methane number (MN).

Continuous — Output available without varying load for an unlimited time. Continuous power in accordance with ISO8528, ISO3046/1, AS2789, DIN6271, and BS5514. Natural gas ratings have been established on natural gas with net calorific Low Heat Value (LHV) of approximately 35.6 MJ/m³ (**905 Btu/ft³**) and 80 methane number (MN).

GAS RATINGS

60 Hz			
Engine Model	*Notes	1800 rpm	
		Standby ekW	Continuous ekW
G3306	—	—	100
G3306	3	—	135
G3306	1	—	150
G3406	—	150	150
G3406	3,5	245	190
G3406	3	260	210
G3406	1	275	225
G3412	—	—	250
G3408	3	310	255
G3408	1	340	280
G3412	3,5	350	350
G3412C	3,5	375	375
G3412	3,5	450	375
G3412	3	480	395
G3412	1	—	425
G3516	3	1040	—
G3516B	3	—	1300
G3516B	1	—	1400
G3516C	3	—	1660
G3520C	4	—	1900
G3520C	3	—	2055

*Notes
All ratings at 0.8 pf and without fan (G3406 NA includes fan and radiator).
1–32°C (90°F).
2–45°C (113°F).
3–54°C (130°F).
4–70°C (158°F).
5–Ratings at 0.8 pf with fan.
6–Rating excluding engine-driven auxiliary water pump.

GAS RATINGS

60 Hz			
Engine Model	*Notes	1200 rpm	
		Standby	Continuous ekW
G3512	—	—	365
G3508	3	—	375
G3508	1	—	400
G3512	3	—	555
G3512	3	—	570
G3512	1	—	570
G3512	1	—	600
G3516	3	—	750
G3516	3	—	770
G3516	1	—	770
G3516	1	—	820
G3520C	3	—	1600
G3520E	3	—	1600
		900 rpm	
G3606	5,3	—	1145
G3606	5,1	—	1220
G3608	5,3	—	1525
G3608	5,1	—	1625
G3612	5,3	—	2335
G3612	5,1	—	2615
G3616	5,3	—	3105
G3616	5,1	—	3408
		720 rpm	
G16CM34	—	—	5900

*Notes
All ratings at 0.8 pf and without fan (G3406 NA includes fan and radiator).
1–32°C (90°F).
2–45°C (113°F).
3–54°C (130°F).
4–Ratings at 0.8 pf with fan.
5–Rating excluding engine-driven auxiliary water pump.
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GAS RATINGS

50 Hz			
Engine Model	*Notes	1500 rpm	
		kVA	Continuous (ekW)
G3306	—	106	(85)
G3306	3	138	(110)
G3306	1	156	(125)
G3406	—	156	(125)
G3408	—	194	(155)
G3406	3	200	(160)
G3406	3	219	(175)
G3406	1	231	(185)
G3412	—	281	(225)
G3408	1	288	(230)
G3412	3	363	(292)
G3412	3	406	(325)
G3412	1	444	(355)
G3412C	3	450	(360)
G3508	3	600	(480)
G3508	1	638	(510)
G3512	3	906	(725)
G3512	1	956	(766)
G3516	3	1219	(975)
G3516	1	1288	(1030)
G3516B	3	1356	(1090)
G3516B	1	1431	(1145)
G3516B	5,3	1380	(1105)
G3516B	5,1	1456	(1165)
G3516C	1,3	2000	(1600)
G3516E	1,3	2000	(1600)
G3520C	1,3	2438	(1950)
G3520C	1,3,5	2500	(2000)
		1000 rpm	
G3606	5,3	1588	(1270)
G3606	5,1	1694	(1355)
G3608	5,3	2119	(1695)
G3608	5,1	2556	(1805)
G3612	5,3	3219	(2575)
G3612	5,2	3406	(2725)
G3612	5,1	3625	(2900)
G3616	5,3	4281	(3425)
G3616	5,2	4538	(3630)
G3616	5,1	4825	(3860)
		750 rpm	
G16CM34	—	7375	(5900)
G3520B	5,1	1825	(1460)

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POCKET RATING GUIDE

Engine and Generator Sets

