GAS GENERATOR SET PRODUCT RATINGS SUMMARY

60Hz GAS GENERATOR SET RATINGS

Biogas, Landfill Gas, Sewage Gas [1]

Model	rpm	Emission Level NO_x [2]		Aftercooler Temperature		Power [3]				Efficiency [4]		
						Electric Power @ 1.0 pf	Electric Power @ 0.8 pf	Mechanical Power		Electrical Efficiency	Thermal Efficiency	Total Efficiency
		mg/Nm³	g/bhp-hr	Deg C	Deg F	kW_e		kW_m	bhp	%	%	%
G3306	1800	6055	17.3	–	–	76	75	82	110	26.7	62.4	89.1
G3406	1800	7613	21.0	–	–	137	137	145	194	27.7	61.1	88.8
G3412	1800	7051	16.4	–	–	194	191	205	275	26.5	62.9	89.4
CG132-8	1800	500	1.0	40	104	400	396	415	557	41.6	43.2	84.8
CG132-12	1800	500	1.0	40	104	600	594	620	831	41.4	43.7	85.1
G3512	1200	759	2.0	54	130	615	600	642	861	29.7	49.1	78.8
CG132-16	1800	500	1.0	40	104	800	792	826	1108	41.7	43.3	85.0
G3516A	1200	787	2.0	54	130	824	815	856	1148	31.0	47.7	78.7
G3516A+	1200	500	1.0	54	130	945	939	987	1323	35.4	40.9	76.3
G3516A+	1500	500	1.1	43	110	1084	1080	1116	1496	36.2	41.5	77.7
CG170-12	1500	500	1.0	50	122	1200	1188	1235	1656	41.8	43.8	85.6
CG170-16	1500	500	1.0	50	122	1550	1535	1608	2157	41.4	43.9	85.3
G3520C	1200	439	1.0	54	130	1622	1600	1672	2242	39.8	40.9	80.7
G3520C	1500	500	1.0	54	130	1962	1946	2015	2702	39.0	45.7	84.7
CG170-20	1500	500	1.0	50	122	2000	1980	2055	2756	42.7	43.3	86.0
CG260-12	900	500	1.0	40	104	2530	2505	2584	3466	42.2	40.3	82.5
CG260-16	900	500	1.0	40	104	3370	3336	3442	4616	43.1	38.6	81.7

Natural Gas [1]

Model	rpm	Emission Level NO_x [2]		Aftercooler Temperature		Power [3]				Efficiency [4]		
						Electric Power @ 1.0 pf	Electric Power @ 0.8 pf	Mechanical Power		Electrical Efficiency	Thermal Efficiency	Total Efficiency
		mg/Nm³	g/bhp-hr	Deg C	Deg F	kW_e		kW_m	bhp	%	%	%
G3306	1800	6785	16.0	–	–	104	100	111	149	31.7	59.6	91.3
G3306	1800	7317	18.8	54	130	143	135	152	204	31.5	64.0	95.5
G3406	1800	9176	21.6	–	–	155	150	172	231	30.1	57.3	87.4
G3406	1800	5828	14.9	54	130	192	170	206	276	32.0	55.8	87.8
G3406	1800	8269	19.7	54	130	217	190	224	301	33.5	52.9	86.4
G3412	1800	8566	22.1	–	–	253	250	271	363	30.3	60.9	91.2
G3508	1200	9498	26.0	54	130	373	370	392	526	32.8	51.8	84.6
CG132-8	1800	500	1.0	40	104	401	397	415	557	41.2	46.1	87.3
G3412	1800	10624	25.7	54	130	403	350	422	566	33.4	54.3	87.7
G3412C	1800	800	1.9	54	130	453	375	475	637	35.3	47.1	82.4
G3512	1200	8399	20.8	54	130	564	555	590	791	32.5	55.2	87.7
G3512	1200	844	2.0	54	130	581	570	607	814	34.4	46.2	80.6
CG132-12	1800	500	1.0	40	104	600	594	620	831	41.1	46.6	87.7
G3516	1200	844	2.0	54	130	779	770	809	1085	35.0	48.8	83.8
CG132-16	1800	500	1.0	40	104	800	792	826	1108	41.5	46.3	87.8
CG170-12	1500	500	1.0	40	104	1200	1188	1235	1656	43.4	43.2	86.6
G3516B	1800	407	1.0	54	130	1312	1299	1350	1810	35.6	49.3	84.9
G3608	900	346	0.7	54	130	1549	1534	1589	2131	38.8	42.2	81.0
CG170-16	1500	500	1.0	40	104	1550	1535	1598	2143	43.0	43.7	86.7
G3520C	1200	500	1.0	54	130	1626	1610	1676	2248	40.9	43.9	84.8
G3516C	1800	443	1.0	54	130	1663	1646	1723	2311	37.7	47.6	85.3
CG170-20	1500	500	1.0	40	104	2000	1980	2055	2756	43.5	43.2	86.7
G3520E	1500	500	1.0	54	130	2026	2009	2080	2789	42.0	45.1	87.1
G3520C	1800	446	1.0	54	130	2077	2055	2154	2889	38.1	48.1	86.2
G3612	900	347	0.7	54	130	2347	2335	2407	3228	40.2	42.1	82.3
CG260-12	900	500	1.0	40	104	3000	2970	3077	3621	43.7	42.1	85.8
G3616	900	342	0.7	54	130	3121	3105	3201	4292	40.5	41.4	81.9
CG260-16	900	500	1.0	40	104	4000	3960	4103	4848	43.7	42.4	86.1