

Gen Set Power Selector Chart

50Hz

Model	Net Engine Output			Typical Generator Efficiency	Typical Power Factor	Typical Generating Set Output					
	Baseload kWm	Prime kWm	Standby kWm	%	Baseload		Prime		Standby		
					kWe	kVA	kWe	kVA	kWe	kVA	

3000 rev/min (17.5 kVA to 36.7 kVA)

403C-11G	*	17	18.8	82/80	0.8	*	*	14	17.5	15.1	18.9
403C-15G	*	21.2	23.4	84/82	0.8	*	*	17.9	22.4	19.2	24.1
404C-22G	*	30.7	33.9	88/86	0.8	*	*	27	33.8	29.3	36.7

1500 rev/min (9.1 kVA to 2263 kVA)

403C-11G	*	8.5	9.4	85	0.8	*		7.3	9.1	8.0	10.0
403C-15G	*	12	13.3	88/87	0.8	*	*	10.6	13.3	11.6	14.5
404C-22G	*	18.5	20.4	88/89	0.8	*	*	16.3	20.3	18.2	22.7
1103A-33G	*	27.7	30.4	87	0.8	*	*	24	30	26.4	33
1103C-33G2#	*	27	30	90	0.8	*	*	24	30	26	33
1104C-44G1#	*	38	42	90	0.8	*	*	32	40	35	44
1103A-33TG1	*	41.3	45.6	87	0.8	*	*	36	45	39.7	49.6
1103A-33TG2	*	53.8	59.3	89	0.8	*	*	48	60	52.8	66
1104C-44TG2#	*	53	59	90	0.8	*	*	48	60	53	66
1104A-44TG1	*	58.4	64.3	89	0.8	*	*	52	65	57.2	71.5
1104A-44TG2	*	71.9	79.1	89	0.8	*	*	64	80	70.4	88
1104C-44TAG1#	*	71	78	90	0.8	*	*	64	80	70.5	88
1006TG1A	*	83	91.5	90	0.8	*	*	74.5	93	82.5	103
1104C-44TAG2#	*	89	98	90	0.8	*	*	80	100	88	110
1006TG2A	*	91	100	90	0.8	*	*	82	102.5	90	112.5
1006TAG	*	121	133	90	0.8	*	*	109	136	120	150
1306-E87TG1 _L	119	132	145	92	0.8	109	137	121	152	133	167
1306-E87TG2 _L	128	141	155	92	0.8	118	147	130	163	143	178
1306-E87TAG1 _L	138	151	167	92	0.8	127	159	139	174	154	192
1306-E87TAG2 _L	149	164	180	92	0.8	137	171	151	189	166	207
1306C-E87TAG3 _L	164	180	199	92	0.8	151	189	166	208	183	229
1306C-E87TAG4 _L	179	198	217	92	0.8	165	205	182	228	200	250
1306C-E87TAG5	185	204	224	92	0.8	170	213	188	235	206	258
1306C-E87TAG6	198	218	239	92	0.8	182	228	200	250	220	275
2306C-E14TAG1A	217	261	304	92	0.8	200	250	240	300	280	350
2306C-E14TAG2	239	304	344	92/93	0.8	220	275	280	350	320	400
2306C-E14TAG3	261	344	387	93	0.8	240	300	320	400	360	450
2806C-E16TAG1	304	390	433	93	0.8	283	353	363	453	403	503
2806C-E16TAG2	347	433	471	93	0.8	323	403	403	503	443	553
2806C-E18TAG1	386	475	553	92/93	0.8	360	450	440	550	508	635
2806C-E18TAG2	433	542	599	92/93	0.8	400	500	508	635	560	700
4006-23TAG2A	495	620	685	93	0.8	468	585	584	730	685	800
4006-23TAG3A	540	679	760	94	0.8	512	640	640	800	720	900
4008TWG2	560	710	782	95	0.8	532	665	675	843	743	929
4008TAG	566	715	787	95	0.6	538	672	679	849	748	935
4008TAG1A	602	762	839	95	0.8	572	715	724	905	797	996
4008TAG2A	681	861	947	95	0.8	647	809	818	1022	900	1125
4012TWG	679	857	946	95	0.8	645	806	814	1018	899	1123
4012TWG2	825	1044	1154	96	0.8	792	989	1002	1253	1108	1385
4012TAG	841	1061	1168	96	0.8	807	1009	1019	1273	1121	1402
4012TEG †	860	1075	1182	96	0.8	826	1032	1032	1290	1135	1418
4012TAG1A	900	1136	1250	96	0.8	864	1080	1091	1364	1200	1500
4016TWG	937	1182	1301	96	0.8	900	1124	1135	1418	1249	1561
4012TAG2A	995	1254	1380	96	0.8	955	1194	1204	1505	1325	1656
4012TEG2 †	1035	1294	1423	96	0.8	994	1242	1242	1553	1366	1708
4016TWG2	1112	1406	1550	96	0.8	1068	1335	1350	1688	1488	1861
4016TEG †	1146	1432	1575	96	0.8	1100	1375	1375	1719	1512	1890
4016TAG	1160	1460	1607	96	0.8	1114	1392	1402	1752	1543	1928
4016TAG1A	1219	1537	1690	96	0.8	1170	1463	1476	1844	1622	2028
4016TEG1 †	1230	1538	1692	96	0.8	1181	1476	1476	1845	1624	2030
4016TEG2 †	1366	1708	1879	96	0.8	1311	1639	1640	2050	1804	2255
4016TAG2A	1362	1715	1886	96	0.8	1307	1634	1646	2058	1811	2263

Gas Power 1500 rev/min (307 kWe to 1008 kWe)

4006-23TRS1 †	322	-	-	95.4	1	307	307	-	-	-	-
4006-23TRS2 †	393	-	-	95.5	1	375	375	-	-	-	-
4008TESI †	430	-	-	96.4	1	415	415	-	-	-	-
4012TESI †	632	-	-	96	1	607	607	-	-	-	-
4016TESI †	842	-	-	96.8	1	815	815	-	-	-	-
4016E61TRS	1042	-	-	96.8	1	1008	1008	-	-	-	-

*Available on application † Gross power _L1500/1800 rev/min switchable ratings are offered for stand-alone non-load sharing gen set applications. For details please consult Perkins Engines Company Limited.

1100 Series 1500 rev/min ratings are not EPA certified.

Notes:

- Electrical output is based on typical generator efficiency and is for guidance only.
- All ratings data based on operation under ISO 8528-1, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by Perkins is ± 5%.
- **Baseload Power** = Power available for continuous full load operation. An overload of 10% permitted for one hour in every twelve hours of operation.
Please Note: No overload is permitted on 4000 Series.
- **Prime Power** = Power available at variable load in lieu of main power network (for 4000 Series maximum engine load factor is 80%). An overload of 10% permitted for one hour in every twelve hours of operation.
- **Standby Power** = Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No overload is permitted.
- Gas powered engine ratings are obtained using natural Gas – LHV (low heat value) 34.71 MJ/m³ (930Btu/ft³).
- 4000 Series availability dependent on franchise.

Gen Set Power Selector Chart

60Hz

Model	Net Engine Output			Typical Generator Efficiency	Typical Power Factor	Typical Generating Set Output					
	Baseload kWm	Prime kWm	Standby kWm	%		Baseload		Prime		Standby	
						kWe	kVA	kWe	kVA	kWe	kVA

3600 rev/min (14.7 kWe to 19.5 kWe)

403C-11G	*	18	20.1	82/81	0.8	*	*	14.7	18.4	16.3	20.4
403C-15G	*	21.3	23.7	84/80	0.8	*	*	18	22.5	19.5	24.4

1800 rev/min (9.1 kWe to 1331 kWe)

403C-11G	*	10.4	11.5	87/86	0.8	*	*	9.1	11.4	9.9	12.4
403C-15G	*	14.4	15.9	89/88	0.8	*	*	12.9	16.1	14	17.5
404C-22G	*	20.7	22.6	89	0.8	*	*	18.7	23.4	20.2	25.3
404C-22G	*	28.3	31.5	89	0.8	*	*	25	31	28	35
1103A-33G	*	32.2	35.4	87	0.8	*	*	27.9	34.9	30.6	38.2
1103C-33G1	*	30.5	34	90	0.8	*	*	27	34	30	38
1104C-44G2	*	48	53	90	0.8	*	*	41	51	45	56
1103A-33TG1	*	48.8	53.9	87	0.8	*	*	42.5	53.1	46.9	58.7
1103A-33TG2	*	61.2	67.5	89	0.8	*	*	54.5	68.1	60.1	75.1
1104C-44TG1	*	61	68	90	0.8	*	*	54	68	60	75
1104A-44TG1	*	68.6	75.5	89	0.8	*	*	60.8	76.0	66.9	83.6
1104A-44TG2	*	82	90.2	89	0.8	*	*	73	91.3	80.3	100.3
1104C-44TAG1	*	80	89	90	0.8	*	*	72	90	80	100
1006TG1A	*	96.5	106.5	90	0.8	*	*	87	109	96	120
1104C-44TAG2	*	100	112	90	0.8	*	*	90	112.5	100	125
1006TG2A	*	107	118	90	0.8	*	*	96.5	120.5	106	132.5
1006-6T	*	109.5	120	90	0.8	*	*	98.5	123	108	135
1006TAG	*	134	147	90	0.8	*	*	120.5	151	132.5	165.5
1006-6TA	*	140	154	90	0.8	*	*	126	157.5	138.5	173
1306-E87TG1 _L	138	151	167	92	0.8	127	159	139	174	154	192
1306-E87TAG1 _L	149	164	180	92	0.8	137	171	151	189	166	207
1306-E87TAG2 _L	161	178	194	92	0.8	148	185	164	205	178	223
1306C-E87TAG3 _L	182	201	220	92	0.8	167	209	185	231	202	253
1306C-E87TAG4 _L	194	213	235	92	0.8	178	223	196	245	216	270
2306C-E14TAG1A	245	299	329	92	0.8	225	281	275	344	303	379
2306C-E14TAG2	272	348	376	92/93	0.8	250	313	320	400	350	438
2306C-E14TAG3	299	376	430	93	0.8	275	344	350	438	400	500
2806C-E16TAG1	386	489	542	93/94	0.8	359	449	460	575	509	637
2806C-E16TAG2	440	542	595	93/94	0.8	409	512	509	637	559	699
2806C-E18TAG1	484	538	591	92/93	0.8	450	563	509	625	550	688
2806C-E18TAG2	484	538	591	92/93	0.8	450	563	500	625	550	688
2806C-E18TAG3	485	585	645	92/93	0.8	450	563	540	675	600	750
4006-23TAG2A	510	640	715	94	0.8	480	600	600	750	675	844
4008TWG2	534	684	756	95	0.8	508	635	650	812	718	898
4008TAG	564	712	784	95	0.8	536	670	676	846	745	931
4006-23TAG3A	570	715	795	94	0.8	540	675	675	844	750	938
4008TAG1	584	744	821	95	0.8	555	694	707	884	780	975
4008TAG2	659	838	924	95	0.8	626	783	796	995	878	1097
4012TWG2	679	857	946	96	0.8	781	977	992	1240	1097	1370
4012TAG1	905	1141	1255	96	0.8	869	1086	1095	1369	1205	1506
4012TAG2	1001	1260	1386	96	0.8	961	1201	1210	1512	1331	1663

1200 rev/min (466 kWe to 1478 kWe)

4008TAG1	491	623	686	95	0.8	466	583	592	740	652	815
4008TAG2	547	693	763	95	0.8	520	650	658	823	725	906
4012TWG	536	679	750	95	0.8	509	637	645	806	713	891
4012TAG	679	854	940	96	0.8	651	814	820	1025	902	1128
4012TEG †	688	860	946	96	0.8	660	827	826	1033	908	1135
4016TWG	715	908	1002	96	0.8	687	858	872	1090	962	1202
4016TEG †	917	1146	1261	96	0.8	880	1100	1100	1375	1211	1513
4016TAG	908	1146	1263	96	0.8	872	1091	1100	1375	1212	1515
4016TAG2	1108	1400	1540	96	0.8	1063	1329	1344	1680	1478	1848

Gas Power 1200 rev/min (384 kWe to 772 kWe)

4008TESI †	400	-	-	96	1	384	384	-	-	-	-
4012TESI †	600	-	-	96	1	576	576	-	-	-	-
4016TESI †	800	-	-	96.5	1	772	772	-	-	-	-

* Available on application † Gross power †1500/1800 rev/min switchable ratings are offered for stand-alone non-load sharing gen set applications. For details please consult Perkins Engines Company Limited.

Notes:

- *C* indicates compliance with EPA Tier 2 emissions legislation.
- Electrical output is based on typical generator efficiency and is for guidance only.
- All ratings data based on operation under ISO 8528-1, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by Perkins is ± 5%.
- **Baseload Power** = Power available for continuous full load operation. An overload of 10% permitted for one hour in every twelve hours of operation.
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- **Standby Power** = Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No overload is permitted.
- Gas powered engine ratings are obtained using natural Gas – LHV (low heat value) 34.71 MJ/m³ (930Btu/ft³).
- 4000 Series availability dependent on franchise.



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All information in this document is substantially correct at the time of printing but may be subsequently altered.