

Gen Set Power Selector Chart

Model offering for Unregulated Territories

2016 Issue 1

50Hz

Model	Net Engine Output			Typical Generating Set Output						1500/1800 rev/min switchable
	Baseload	Prime	Standby	Baseload		Prime		Standby		
	kWm	kWm	kWm	kWe	kVA	kWe	kVA	kWe	kVA	

3000 rpm (8 kVA to 36 kVA)

402D-05G*	-	7.7	8.5	-	-	6.6	8.3	7.3	9.1	
403D-07G	-	11.4	12.6	-	-	9.7	12.1	10.6	13.3	
403D-11G	-	17	18	-	-	14	18	16	20	
403D-15G	-	20	22	-	-	18	22	19	24	
404D-22G2	-	30	33	-	-	27	33	29	36	

1500 rpm (6 kVA to 2500 kVA)

403D-07G*	-	5.4	5.9	-	-	4.5	5.6	4.9	6.1	
403A-11G1	-	8	9	-	-	7	9	8	10	
403A-15G1	-	12	13	-	-	10	13	11	15	
403A-15G2	-	14	15	-	-	12	15	13	17	◆
404A-22G1	-	18	20	-	-	16	20	18	22	
404D-22TG	-	25	27	-	-	22	27	24	30	■
1103A-33G	-	28	30	-	-	24	30	26	33	◆■
1104C-44G1	-	39	43	-	-	35	44	38	48	
1103C-33TG2	-	41	46	-	-	37	46	41	51	
1103A-33TG1	-	42	46	-	-	36	45	40	50	◆■
1104C-44TG2	-	54	59	-	-	48	60	53	67	■
1103A-33TG2	-	54	59	-	-	48	60	53	66	◆■
1104A-44TG1	-	58	64	-	-	52	65	57	72	◆■
1104A-44TG2	-	72	79	-	-	64	80	70	88	◆■
1104C-44TAG1	-	72	79	-	-	64	80	71	89	■
1104C-44TAG2	-	90	100	-	-	81	101	90	112	■
1106A-70TG1	-	118	131	-	-	108	135	120	150	
1106A-70TAG2	-	131	144	-	-	120	150	132	165	■
1106A-70TAG3	-	158	175	-	-	144	180	160	200	■
1106A-70TAG4	-	174	191	-	-	160	200	176	220	
1506A-E88TAG1	-	180	198	-	-	160	200	176	220	■
1506A-E88TAG2	-	201	223	-	-	185	230	200	250	■
1506A-E88TAG3	-	223	245	-	-	200	250	220	275	■
1506A-E88TAG4	-	245	268	-	-	220	275	240	300	■
1506A-E88TAG5	-	263	293	-	-	250	300	270	330	■
2206A-E13TAG2	-	305	349	-	-	280	350	320	400	■
2206C-E13TAG2	-	305	349	-	-	280	350	320	400	■
2206A-E13TAG3	-	349	392	-	-	320	400	350	450	■
2206C-E13TAG3	-	349	392	-	-	320	400	360	450	■
2506A-E15TAG1	-	396	434	-	-	364	455	400	500	■
2506C-E15TAG1	-	396	435	-	-	364	455	400	500	■
2506A-E15TAG2	-	435	478	-	-	400	500	440	550	■
2506C-E15TAG2	-	435	478	-	-	400	500	440	550	■
2806C-E18TAG1A	-	514	565	-	-	473	591	520	650	■
2806A-E18TAG1A	-	522	574	-	-	480	600	528	660	■
2806A-E18TAG2	-	565	609	-	-	520	650	560	700	■
4006-23TAG2A	501	628	691	476	595	597	746	656	820	■
4006-23TAG3A	536	675	756	509	637	641	800	718	900	
4008TAG1A	606	767	844	576	720	720	900	800	1000	
4008-30TAG1	632	758	842	600	750	720	900	800	1000	
4008-30TAG2	674	842	947	640	800	800	1000	900	1125	
4008-30TAG3	800	947	1055	760	950	900	1125	1000	1250	
4008TAG2A	681	861	947	647	809	800	1000	880	1100	■
4012-46TAG0A	842	1053	1158	800	1000	1000	1250	1100	1375	
4012-46TWG2A	833	1055	1166	791	989	1000	1250	1100	1385	■
4012-46TAG1A	909	1148	1263	864	1080	1100	1350	1200	1500	
4012-46TWG3A	909	1149	1263	864	1080	1100	1350	1200	1500	
4012-46TWG4A	-	1254	1342	-	-	1200	1500	1280	1600	
4012-46TAG2A	1005	1267	1395	955	1194	1200	1500	1320	1650	■
4012-46TAG3A	1200	1440	1583	1140	1425	1350	1710	1500	1875	
4016TAG1A	1219	1537	1690	1170	1463	1480	1850	1600	2000	
4016-61TRG1	1179	1558	1684	1120	1400	1480	1850	1600	2000	
4016-61TRG2	1347	1684	1895	1280	1600	1600	2000	1800	2250	
4016TAG2A	1362	1715	1886	1307	1634	1600	2000	1800	2250	
4016-61TRG3	1500	1875	2083	1440	1800	1800	2250	2000	2500	

400 Series Gas Power 1500 rpm

404A-22SG1	-	18	20	-	-	16	20	18	22	
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50Hz

Model	Gross Engine Output	Typical Generating Set Output	
	Baseload	Baseload	
	kWm	kWe	kVA

4000 Series Gas Power 1500 rpm (307 kWe to 1000 kWe)

4006-23TRS1	322	307	384
4006-23TRS2	393	375	469
4008-30TRS1	447	425	531
4008-30TRS2	526	500	625
4012TESI	632	600	750
4016-61TRS1	912	875	1094
4016-61TRS2	1042	1000	1250

- Switchable engines must be requested at point of order, please consult with your local Perkins representative.
- ◆ Can be switched from 1500 rpm to 1800 rpm
- ❖ Available as Electro Unit only

Notes:

- All ratings above 1 litre are rounded up and are for guidance only, please refer to the specific engine technical data sheet for final powers.
- Electrical output is based on assumed alternator efficiency and is for guidance only.
- kVA figures are calculated using a Typical Power Factor of 0.8.
- Perkins conditions of sale apply.
- 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 $\pm 5\%$.
- **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 (please refer to the engine Technical Data Sheets for engine load factors). 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

Gen Set Power Selector Chart

Model offering for Unregulated Territories

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60Hz

Model	Net Engine Output			Typical Generating Set Output						1800/1500 rev/min switchable
	Baseload	Prime	Standby	Baseload		Prime		Standby		
	kWm	kWm	kWm	kWe	kVA	kWe	kVA	kWe	kVA	

1800 rpm (4 kWe to 1500 kWe)

402D-05G*	-	4.5	5	-	-	3.9	4.8	4.2	5.3	
403D-07G*	-	6.6	7.3	-	-	5.6	7	6.1	7.7	
403D-11G	-	10	11	-	-	9	11	10	12	■
403D-15G	-	14	16	-	-	13	16	14	17	■
403A-15G2	-	16	18	-	-	14	18	16	20	
404D-22G	-	22	24	-	-	19	24	21	27	
404D-22TG	-	30	33	-	-	26	33	29	36	■
404D-22TAG	-	32	36	-	-	29	37	32	40	
1103A-33G	-	32	35	-	-	28	35	31	38	◆■
1104C-44G2	-	47	52	-	-	43	53	47	59	■
1103A-33TG1	-	49	54	-	-	43	53	47	59	◆■
1103A-33TG2	-	61	68	-	-	55	68	60	75	◆■
1104A-44TG1	-	69	76	-	-	61	76	67	84	■
1104C-44TAG1	-	80	89	-	-	72	90	80	100	■
1104A-44TG2	-	82	90	-	-	73	91	80	100	■
1104C-44TAG2	-	102	112	-	-	92	114	101	127	■
1106A-70TG1	-	134	148	-	-	122	152	135	169	
1106A-70TAG2	-	147	164	-	-	135	169	150	188	■
1106A-70TAG3	-	173	192	-	-	158	197	175	219	■
1506A-E88TAG1	-	216	237	-	-	200	250	220	275	■
1506A-E88TAG2	-	216	237	-	-	200	250	220	275	■
1506A-E88TAG3	-	252	279	-	-	230	290	250	320	■
1506A-E88TAG4	-	274	301	-	-	250	315	275	350	■
1506A-E88TAG5	-	306	339	-	-	280	350	310	390	■
2206A-E13TAG5	-	349	381	-	-	320	400	350	438	■
2206A-E13TAG6	-	381	435	-	-	350	438	400	500	■
2506A-E15TAG3	-	446	490	-	-	410	513	450	563	■
2506C-E15TAG3	-	495	543	-	-	455	569	500	625	■
2506A-E15TAG4	-	495	543	-	-	455	569	500	624	■
2506C-E15TAG4~	-	-	597	-	-	-	-	550	687	
2806A-E18TAG1A	-	543	598	-	-	500	625	550	687	■
2806C-E18TAG1A~	-	-	598	-	-	-	-	550	687	■
2806A-E18TAG3	-	592	652	-	-	545	681	600	750	■
2806C-E18TAG3~	-	-	652	-	-	-	-	600	750	■
4006-23TAG2A	511	638	702	480	600	600	750	660	825	■
4006-23TAG3A	570	715	795	540	675	680	850	755	944	
4006-23TAG4	607	761	842	572	714	722	900	800	1000	
4008TAG1	610	763	843	555	694	707	884	780	975	
4008TAG2	687	842	948	626	783	800	1000	875	1100	■
4012-46TWG2A	833	1055	1166	791	989	1000	1250	1100	1375	■
4012-46TWG3A	909	1149	1263	864	1079	1100	1350	1200	1500	
4012-46TAG1A	914	1153	1267	868	1085	1100	1350	1200	1500	
4012-46TWG4A	-	1254	1342	-	-	1200	1500	1280	1600	
4012-46TAG2A	1009	1272	1399	959	1199	1200	1500	1330	1675	■
4012-46TAG3A	1200	1440	1583	1140	1425	1350	1700	1500	1880	

400 Series Gas Power 1800 rpm

404A-22SG1	-	20.8	22.9	-	-	18.5	23.1	20.4	25.5	
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- ◆ Available as Electro Unit only.
- ~ Emergency Standby Power.

Notes:

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- Perkins conditions of sale apply.
- 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 (please refer to the engine Technical Data Sheets for engine load factors). 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.
- **Emergency Standby Power (ESP)** = Power available in the event of a main power network failure, which may be run continuously. Load factor may be up to 100% of the ESP rating. No overload is permitted.. Under ISO8528 the maximum number of hours of running per year is 200 hours for combined ESP and maintenance. Under US Regulation Title 40 CFR Part 60 Subpart III, the engine may be run in non-emergency situations for maintenance/testing purposes, but such running should be limited to 100 hours per year. Please refer to regulations for exact guidance.