Gen Set Power Selector Chart

Model offering for Unregulated Territories

2012 Issue 3

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 rev/min (8.3 kVA to 36 kVA)										
402D-05G	-	7.7	8.5	-	-	6.6	8.3	7.3	9.1	
403D-07G	-	11.5	12.6	-	-	9.8	12.3	10.8	13.5	
403D-11G	-	17	18	-	-	14	18	16	20	
403D-15G	-	20	22	-	-	18	22	29	24	
404D-22G	-	30	33	-	-	27	33	29	36	
1500 rev/min (5.8 kVA to 2500 kVA)										
403D-07G❖	-	5.4	6.0	-	-	4.7	5.8	5.1	6.4	
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	■
1103A-33TG1	-	41	46	-	-	36	45	40	50	■
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	70	88	■
1006TG1A	-	83	92	-	-	72	90	80	100	
1104C-44TAG2	-	90	100	-	-	80	100	88	110	■
1006TG2A	-	92	102	-	-	80	100	88	110	
1106A-70TAG1●	-	117	129	-	-	108	135	120	150	
1006TAG	-	121	134	-	-	108	135	120	150	■
1006TAG2	-	129	143	-	-	120	150	132	165	
1106A-70TAG2	-	130	144	-	-	120	150	132	165	
1106A-70TAG3	-	157	172	-	-	144	180	160	200	
1106C-E66TAG4	-	158	176	-	-	144	180	160	200	■
1106A-70TAG4	-	174	191	-	-	160	200	176	220	
1306C-E87TAG3	164	180	199	151	189	160	200	180	225	■
1306C-E87TAG4	179	198	217	165	205	180	225	200	250	■
1306C-E87TAG6	198	217	239	182	228	200	250	220	275	
1606A-E93TAG4	-	239	261	-	-	220	275	240	300	■
1606A-E93TAG5	-	261	287	-	-	240	300	264	330	■
2206A-E13TAG2	-	305	349	-	-	280	350	320	400	■
2206C-E13TAG2	-	305	349	-	-	280	350	320	400	■
2206A-E13TAG3	-	349	392	-	-	320	400	360	450	■
2206C-E13TAG3	-	349	392	-	-	320	400	360	450	■
2506A-E15TAG1	-	396	434	-	-	364	455	400	500	■
2506C-E15TAG1	-	396	434	-	-	364	455	400	500	■
2506A-E15TAG2	-	435	478	-	-	400	500	440	550	■
2506C-E15TAG2	-	435	478	-	-	400	500	440	550	■
2806A-E18TAG1A	-	522	574	-	-	480	600	528	660	■
2806C-E18TAG1A	-	522	574	-	-	480	600	528	660	■
2806A-E18TAG2	-	565	609	-	-	520	650	560	700	■
4006-23TAG2A	505	632	695	480	600	600	750	660	825	
4006-23TAG3A	540	679	760	512	640	640	800	720	900	
4008TAG	566	715	787	538	672	680	850	748	935	
4008TAG1A	606	767	844	576	720	720	900	800	1000	
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	1108	1385	
4012-46TWG3A	909	1149	1263	864	1079	1080	1350	1200	1500	
4012-46TAG1A	909	1148	1263	864	1080	1080	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	1368	1710	1500	1875	
4016-61TRG1❖	1178	1558	1684	1120	1400	1480	1850	1600	2000	
4016TAG1A	1219	1537	1690	1170	1463	1480	1850	1600	2000	
4016-61TRG2❖	1347	1684	1894	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	

50Hz

Model	Gross Engine Output	Typical Generating Set Output	
	Baseload	Baseload	
	kWm	kWe	kVA
Gas Power 1500 rev/min (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
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 1500rpm to 1800rpm.

❖ Available as Electro Unit only.

● Engine not yet in production.

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 ± 5%.
- **Basedload Power** = Unlimited hours usage with an average load factor of 100% of the published Baseload Power. **Please note: no overload is permitted on 4000 Series.**
- **Prime Power** = Unlimited hours usage with an average load factor of 80% of the published Prime Power over each 24 hours period. A 10% overload is available for 1 hour in every 12 hours operation.
- **Standby Power** = Limited to 500 hours annual usage with an average load factor of 80% of the published Standby Power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on Standby Power.

Perkins®

THE HEART OF EVERY GREAT MACHINE

Gen Set Power Selector Chart

Model offering for Unregulated Territories

2012 Issue 3

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	kVA	kVA	
1800 rev/min (3.9 kWe to 1500 kWe)										
402D-05G❖	-	4.5	5.0	-	-	3.9	4.8	4.3	5.4	
403D-07G❖	-	6.6	7.3	-	-	5.7	7.1	6.3	7.8	
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	28	36	
404D-22TAG	-	32	36	-	-	28	37	31	40	
1103A-33G	-	32	35	-	-	28	35	31	38	■
1103A-33TG1	-	49	54	-	-	41	51	45	56	■
1103A-33TG2	-	61	68	-	-	54	68	60	75	■
1104A-44TG1	-	69	76	-	-	59	74	65	81	■
1104C-44TAG1	-	80	89	-	-	72	90	80	100	■
1104A-44TG2	-	82	90	-	-	72	90	80	100	■
1006TG1A	-	98	107	-	-	86	108	95	119	
1104C-44TAG2	-	102	112	-	-	90	112	100	125	■
1006TG2A	-	107	118	-	-	96	119	105	131	
1006TAG	-	134	147	-	-	118	148	130	163	■
1106C-E66TAG2	-	138	155	-	-	127	159	140	175	■
1106C-E66TAG3	-	146	163	-	-	135	170	150	190	■
1106C-E66TAG4	-	177	196	-	-	165	206	180	228	■
1306C-E87TAG3	182	201	220	167	209	185	231	200	253	■
1306C-E87TAG4	194	213	235	178	223	196	245	215	269	■
1606A-E93TAG4	-	272	299	-	-	250	313	275	344	■
2206A-E13TAG5	-	349	381	-	-	320	400	350	438	■
2206A-E13TAG6	-	381	435	-	-	350	438	400	500	■
2506A-E15TAG3	-	446	490	-	-	410	513	450	563	■
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	Refer to Applications for more detail
4008TAG	564	712	784	536	670	677	846	745	931	
4006-23TAG3A	570	715	795	540	675	675	844	750	938	
4008TAG1	584	744	821	555	694	707	884	780	975	
4008TAG2	659	838	924	626	783	796	995	875	1094	
4012-46TWG2A	833	1055	1166	791	989	1001	1251	1100	1375	
4012-46TWG3A	909	1149	1263	864	1079	1091	1364	1200	1500	
4012-46TAG1A	914	1153	1267	868	1085	1092	1365	1200	1500	
4012-46TWG4A	-	1254	1342	-	-	1200	1500	1280	1600	
4012-46TAG2A	1009	1272	1399	959	1199	1210	1513	1330	1663	
4012-46TAG3A	1200	1440	1583	1140	1425	1365	1706	1500	1875	

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❖ Available as Electro Unit only

~ Emergency Standby Power

Notes:

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- 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 ± 5%.
- **Basedload Power** = Unlimited hours usage with an average load factor of 100% of the published Baseload Power. **Please note: no overload is permitted on 4000 Series.**
- **Prime Power** = Unlimited hours usage with an average load factor of 80% of the published Prime Power over each 24 hours period. A 10% overload is available for 1 hour in every 12 hours operation.
- **Standby Power** = Limited to 500 hours annual usage with an average load factor of 80% of the published Standby Power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on Standby Power.
- **Emergency Standy 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 IIII, 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.

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