

Generating Set Power Selector

50 Hz		Net Engine Output			Typical Generator Set Output						1500/1800 rev/min switchable
Litres	Model	Baseload	Prime	Standby	Baseload		Prime		Standby		
		kWm	kWm	kWm	kWe	kVA	kWe	kVA	kWe	kVA	
1500 rpm (6 kVA to 2500 kVA)											
1.1	403A-11G1	-	8	9	-	-	7	9	8	10	-
1.5	403A-15G1	-	12	13	-	-	10	13	11	15	-
	403A-15G2	-	14	15	-	-	12	15	13	17	◆
2.2	404A-22G1	-	18	20	-	-	16	20	18	22	-
3.3	1103A-33G	-	28	30	-	-	24	30	26	33	◆■
	1103C-33TG2	-	41	46	-	-	37	46	41	51	-
	1103A-33TG1	-	42	46	-	-	36	45	40	50	◆■
	1103A-33TG2	-	54	59	-	-	48	60	53	66	◆■
4.4	1104C-44G1	-	39	43	-	-	35	44	38	48	-
	1104C-44TG2	-	54	59	-	-	48	60	53	67	◆■
	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	■
7.0	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	-
	1206A-70TTAG1	-	175	192	-	-	160	200	176	220	■
	1206A-70TTAG2	-	201	217	-	-	184	230	200	250	■
	1206A-70TTAG3	-	217	238	-	-	200	250	220	275	■
8.8	1506A-E88TAG4	-	245	268	-	-	226	282	246	308	■
	1506A-E88TAG5	-	268	293	-	-	246	308	270	337	■
9.3	1706A-E93TAG1	-	299*	273*	-	-	275	300	300	330	■
	1706A-E93TAG2	-	306*	338*	-	-	320	350	350	385	■
12.5	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	■
15.0	2506A-E15TAG1	-	396	435	-	-	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	■
18.0	2806C-E18TAG1A	-	514	565	-	-	473	591	520	650	■
	2806A-E18TAG1A	-	522	574	-	-	480	600	528	660	■
	2806A-E18TAG2	-	565	609	-	-	520	650	560	700	■
	2806A-E18TAG4	-	596*	655*	-	-	560	700	616	770	-
	2806A-E18TAG5	-	638*	702*	-	-	600	750	660	825	-
23.0	4006-23TAG2A	501	628	691	476	595	597	746	656	820	■
	4006-23TAG3A	536	675	756	509	637	641	800	718	900	-
30.0	4008-30TAG1	632	758	842	600	750	720	900	800	1000	-
	4008TAG1A	606	767	844	576	720	720	900	800	1000	-
	4008-30TAG2	674	851	947	640	800	808	1010	900	1125	-
	4008TAG2A	681	861	947	647	809	800	1000	880	1100	-
	4008-30TAG3	800	947	1055	760	950	900	1125	1000	1250	-
46.0	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	-
61.0	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											
2.2	404A-22G1	-	18	20	-	-	16	20	18	22	-

50 Hz		Gross Engine Output	Typical Generator Set Output	
Litres	Model	Baseload	Baseload	
		kWm	kWe	kVA
4000 Series Gas Power 1500 rpm (307 kWe to 1000 kWe)				
23.0	4006-23TRS1	322	307	384
	4006-23TRS2	393	375	469
	4006-E23TRS3	322	310	388
	4006-E23TRS4	423	408	510
30.0	4008-30TRS1	447	425	531
	4008-30TRS2	526	500	625
61.0	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 to 1800 rpm
- * Engineering targets pending final confirmation, please consult with your local Perkins representative for the latest information

Notes:

- All ratings 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 standard under ISO 8528-1, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by Perkins is ± 5%.
- **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.

Generating Set Power Selector

60 Hz		Net Engine Output			Typical Generator Set Output						1800/1500 rev/min switchable
Litres	Model	Baseload	Prime	Standby	Baseload		Prime		Standby		
		kWm	kWm	kWm	kWe	kVA	kWe	kVA	kWe	kVA	
1800 rpm (4 kWe to 1500 kWe)											
1.5	403A-15G2	-	16	18	-	-	14	18	16	20	-
3.3	1103A-33G	-	32	35	-	-	28	35	31	38	◆■
	1103A-33TG1	-	49	54	-	-	43	53	47	59	◆■
4.4	1103A-33TG2	-	61	68	-	-	55	68	60	75	◆■
	1104A-44TG1	-	69	76	-	-	61	76	67	84	■
7.0	1104A-44TG2	-	82	90	-	-	73	91	80	100	■
	1106A-70TG1	-	134	148	-	-	122	152	135	169	-
8.8	1106A-70TAG2	-	147	164	-	-	135	169	150	188	■
	1106A-70TAG3	-	173	192	-	-	158	197	175	219	■
	1206A-70TAG1	-	201	223	-	-	180	225	200	250	■
9.3	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	■
12.5	1706A-E93TAG1	-	316*	349*	-	-	290	364	320	400	■
15.0	2206A-E13TAG5	-	349	381	-	-	320	400	350	438	■
	2206A-E13TAG6	-	381	435	-	-	350	438	400	500	■
18.0	2506A-E15TAG3	-	446	490	-	-	410	513	450	563	■
	2506A-E15TAG4	-	495	543	-	-	455	569	500	624	■
23.0	2806A-E18TAG1A	-	543	598	-	-	500	625	550	687	■
	2806C-E18TAG1A~	-	-	598	-	-	-	-	550	687	■
	2806A-E18TAG3	-	592	652	-	-	545	681	600	750	■
	2806A-E18TAG6	-	676*	745*	-	-	635	794	700	875	-
	2806A-E18TAG7	-	723*	798*	-	-	680	850	750	938	-
30.0	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	-
46.0	4008TAG1	610	763	843	555	694	707	884	780	975	-
	4008TAG2	687	842	948	626	783	800	1000	875	1100	■
400 Series Gas Power 1800 rpm	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	■
2.2	404A-22G1	-	20.8	22.9	-	-	18.5	23.1	20.4	25.5	-

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- ◆ Can be switched from 1500 to 1800 rpm
- * Engineering targets pending final confirmation, please consult with your local Perkins representative for the latest information
- ~ 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%.
- **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 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.