

# Gen Set Power Selector Chart

Model offering for Unregulated Territories

2012 Issue 3

**50Hz**

Model	Net Engine Output			Typical Generator Efficiency %	Typical Power Factor	Typical Generating Set Output						1500/1800 rev/min switchable
	Baseload kWm	Prime kWm	Standby kWm			Baseload		Prime		Standby		
				kWe		kVA	kWe	kVA	kWe	kVA		

## 3000 rev/min (8 kVA to 36 kVA)

402D-05G	-	8	9	86	0.8	-	-	7	8	7	9	
403D-07G	-	12	13	86	0.8	-	-	10	12	11	14	
403D-11G	-	17	18	86	0.8	-	-	14	18	16	20	
403D-15G	-	20	22	87	0.8	-	-	18	22	19	24	
404D-22G	-	30	33	89	0.8	-	-	27	33	29	36	

## 1500 rev/min (9 kVA to 2500 kVA)

403A-11G1	-	8	9	86	0.8	-	-	7	9	8	10	
403D-11G	-	8	9	86	0.8	-	-	7	9	8	10	
403A-15G1	-	12	13	87	0.8	-	-	10	13	11	14	
403D-15G	-	12	13	87	0.8	-	-	10	13	11	14	
403A-15G2	-	13	15	87	0.8	-	-	12	15	13	17	■
404A-22G1	-	18	20	88	0.8	-	-	16	20	18	22	
404D-22G	-	18	20	88	0.8	-	-	16	20	18	22	
404D-22TG	-	24	27	90	0.8	-	-	22	27	24	30	
1103A-33G	-	28	30	87	0.8	-	-	24	30	26	33	■
1103A-33TG1	-	41	46	87	0.8	-	-	36	45	40	50	■
1103A-33TG2	-	54	59	89	0.8	-	-	48	60	53	66	■
1104A-44TG1	-	58	64	89	0.8	-	-	52	65	58	72	■
1104A-44TG2	-	72	79	89	0.8	-	-	64	80	70	88	■
1104C-44TAG1	-	72	79	89	0.8	-	-	64	80	70	88	■
1006TG1A	-	83	92	90	0.8	-	-	72	90	80	100	
1104C-44TAG2	-	90	100	90	0.8	-	-	80	100	88	110	■
1006TG2A	-	91	100	90	0.8	-	-	80	100	88	110	
1106A-70TAG1	-	117	129	92	0.8	-	-	108	135	120	150	
1006TAG	-	121	134	90	0.8	-	-	108	135	120	150	■
1006TAG2	-	129	143	93	0.8	-	-	120	150	132	165	
1106A-70TAG2	-	130	144	92	0.8	-	-	120	150	132	165	
1106A-70TAG3	-	157	172	92	0.8	-	-	144	180	160	200	
1106C-E66TAG4	-	158	176	93	0.8	-	-	144	180	160	200	■
1106A-70TAG4	-	174	191	92	0.8	-	-	160	200	176	220	
1306C-E87TAG3	164	180	199	92	0.8	151	189	160	200	180	225	■
1306C-E87TAG4	179	198	217	92	0.8	165	205	180	225	200	250	■
1306C-E87TAG6	198	217	239	92	0.8	182	228	200	250	220	275	
1606A-E93TAG4	*	239	261	92	0.8	*	*	220	275	240	300	■
1606A-E93TAG5	*	261	287	92	0.8	*	*	240	300	264	330	■
2206A-E13TAG2	*	305	349	92	0.8	*	*	280	350	320	400	■
2206A-E13TAG3	*	349	392	92	0.8	*	*	320	400	360	450	■
2506A-E15TAG1	*	396	434	92	0.8	*	*	364	455	400	500	■
2506A-E15TAG2	*	435	478	92	0.8	*	*	400	500	440	550	■
2806A-E18TAG1A	*	522	574	93	0.8	*	*	480	600	528	660	■
2806C-E18TAG1A	*	522	574	93	0.8	*	*	480	600	528	660	
2806A-E18TAG2	*	565	609	93	0.8	*	*	520	650	560	700	■
4006-23TAG2A	505	632	695	95	0.8	480	600	600	750	660	825	■
4006-23TAG3A	540	679	760	94	0.8	512	640	640	800	720	900	■
4008TAG	566	715	787	95	0.6	538	672	680	850	748	935	
4008TAG1A	606	767	844	95	0.8	576	720	720	900	800	1000	
4008TAG2A	681	861	947	95	0.8	647	809	800	1000	880	1100	
4012-46TAG0A	842	1053	1158	95	0.8	800	1000	1000	1250	1100	1375	
4012-46TWG2A	833	1055	1166	95	0.8	791	989	1000	1250	1108	1385	
4012-46TWG3A	909	1149	1263	95	0.8	864	1079	1080	1350	1200	1500	
4012-46TAG1A	909	1148	1263	95	0.8	864	1080	1080	1350	1200	1500	
4012-46TWG4A	*	1254	1342	95	0.8	*	*	1200	1500	1280	1600	
4012-46TAG2A	1005	1267	1395	95	0.8	955	1194	1200	1500	1320	1650	
4012-46TAG3A	1200	1440	1583	95	0.8	1140	1425	1368	1710	1500	1875	
4016-61TRG1❖	1178	1558	1684	96	0.8	1120	1400	1480	1850	1600	2000	
4016TAG1A	1219	1537	1690	96	0.8	1170	1463	1480	1850	1600	2000	
4016-61TRG2❖	1347	1684	1894	96	0.8	1280	1600	1600	2000	1800	2250	
4016TAG2A	1362	1715	1886	96	0.8	1307	1634	1600	2000	1800	2250	
4016-61TRG3❖	1500	1875	2083	96	0.8	1440	1800	1800	2250	2000	2500	

## Gas Power 1500 rev/min (307 kWe to 1000 kWe)

4006-23TRS1†	322	-	-	95.4	1	307	307	-	-	-	-	
4006-23TRS2†	393	-	-	95.4	1	375	375	-	-	-	-	
4008-30TRS1†	447	-	-	95	1	425	425	-	-	-	-	
4008-30TRS2†	526	-	-	95	1	500	500	-	-	-	-	
4016-61TRS1†	912	-	-	96	1	875	875	-	-	-	-	
4016-61TRS2†	1042	-	-	96	1	1000	875	-	-	-	-	

\*Available on application † Gross power

■ Switchable engines must be requested at point of order, please consult with your local Perkins representative.

❖ Available as Electro Unit only

### Notes:

- All ratings are rounded up and are for guidance only, please refer to the specific engine technical data sheet for final powers.
- Perkins conditions of sale apply.
- 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 (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

2012 Issue 3

**60Hz**

Model	Net Engine Output			Typical Generator Efficiency	Typical Power Factor	Typical Generating Set Output						1500/1800 rev/min switchable
	Baseload kWm	Prime kWm	Standby kWm			%	Baseload		Prime		Standby	
				kWe			kVA	kWe	kVA	kWe	kVA	

## 1800 rev/min (4 kWe to 1504 kWe)

402D-05G*	-	5	5	86	0.8	-	-	4	5	4	5	
403D-07G*	-	7	7	86	0.8	-	-	6	7	6	8	
403D-11G	-	10	11	87	0.8	-	-	9	11	10	12	
403D-15G	-	14	16	88	0.8	-	-	13	16	14	17	■
403A-15G2	-	16	18	89	0.8	-	-	14	18	16	20	
404D-22G	-	22	24	89	0.8	-	-	19	24	21	27	■
404D-22TG	-	29	32	89	0.8	-	-	26	32	28	35	■
404D-22TAG	-	32	35	90	0.8	-	-	28	36	31	39	
1103A-33G	-	32	35	87	0.8	-	-	28	35	31	38	■
1103A-33TG1	-	49	54	87	0.8	-	-	42	53	47	59	■
1103A-33TG2	-	61	66	89	0.8	-	-	54	68	60	75	■
1104A-44TG1	-	69	76	89	0.8	-	-	61	76	67	84	■
1104C-44TAG1	-	81	89	89	0.8	-	-	72	90	80	100	■
1104A-44TG2	-	82	90	89	0.8	-	-	72	90	80	100	■
1006TG1A	-	97	107	90	0.8	-	-	87	109	96	120	
1104C-44TAG2	-	100	112	90	0.8	-	-	90	112	100	125	■
1006TG2A	-	107	118	90	0.8	-	-	96	121	106	133	
1106A-70TAG1	-	132	146	92	0.8	-	-	120	150	135	169	
1006TAG	-	134	147	90	0.8	-	-	121	151	132	166	■
1106C-E66TAG2	-	138	155	92	0.8	-	-	127	159	143	179	■
1106C-E66TAG3	-	146	163	92	0.8	-	-	135	170	150	190	■
1106A-70TAG2	-	147	163	92	0.8	-	-	136	170	150	188	
1106A-70TAG3	-	171	190	92	0.8	-	-	160	200	175	219	
1106C-E66TAG4	-	177	196	92	0.8	-	-	165	206	180	228	■
1306C-E87TAG3	182	201	220	92	0.8	167	209	185	231	200	253	■
2206A-E13TAG5	*	349	381	92	0.8	*	*	320	400	350	438	■
2206A-E13TAG6	*	381	435	92	0.8	*	*	350	438	400	500	■
2506A-E15TAG3	*	446	490	92	0.8	*	*	410	513	450	563	■
2506A-E15TAG4	*	495	543	92	0.8	*	*	455	569	499	624	■
2506C-E15TAG4#	*	-	597	92	0.8	-	-	-	-	550	687	
2806A-E18TAG1A	*	543	598	93	0.8	*	*	500	625	550	687	■
2806A-E18TAG3	*	592	652	93	0.8	*	*	545	681	600	750	■
4006-23TAG2A	511	638	702	94	0.8	480	600	600	750	660	825	■
4008TAG	564	712	784	95	0.8	536	670	677	846	745	931	
4006-23TAG3A	570	715	795	95	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	
4012-46TWG2A	833	1055	1166	95	0.8	791	989	1002	1253	1108	1385	
4012-46TWG3A	909	1149	1263	95	0.8	864	1079	1091	1364	1200	1500	
4012-46TAG1A	914	1153	1267	95	0.8	868	1085	1095	1369	1204	1505	
4012-46TWG4A	-	1254	1342	96	0.8	-	-	1200	1500	1280	1600	
4012-46TAG2A	1009	1272	1399	95	0.8	959	1199	1208	1510	1335	1669	
4012-46TAG3A	1200	1440	1583	95	0.8	1140	1425	1368	1710	1504	1880	

\*Available on application † Gross power

# Emergency Standby Power = Power available in the event of a main power network failure, up to maximum of 200 hours per year which may be run continuously. Load factor may be up to 100% of the Emergency Standby Power rating. No overload is permitted.

■ Switchable engines must be requested at point of order, please consult with your local Perkins representative

♣ Available as Electro Unit only

### Notes:

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- Perkins conditions of sale apply.
- 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 (please refer to the engine Technical Data Sheet 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.



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