

# Gen Set Power Selector Chart

Model offering for Unregulated Territories

2008 Issue 1

**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 (17.5kVA to 37.2 kVA)

403D-11G	*	16.1	17.9	86	0.8	*	*	14	17.5	15.6	19.5	
403D-15G	*	20.7	22.9	87	0.8	*	*	18	22.5	19.9	24.9	
404D-22G	*	30.2	33.4	89	0.8	*	*	26.9	33.6	29.7	37.2	

## 1500 rev/min (9 kVA to 2264 kVA)

403D-11G	*	8.4	9.3	86	0.8	*	*	7.2	9	8	10	
403D-15G	*	12	13.3	87	0.8	*	*	10.4	13.1	11.6	14.5	
404D-22G	*	18.4	20.3	88	0.8	*	*	16.2	20.2	17.9	22.3	
404D-22TG	*	24.3	26.9	88	0.8	*	*	21.4	26.7	23.7	29.6	■
1103A-33G	*	27.7	30.4	87	0.8	*	*	24	30	26.4	33	■
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	■
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	■
1006TG1A	*	83	91.5	90	0.8	*	*	74.5	93	82.5	103	
1006TG2A	*	91	100	90	0.8	*	*	82	102.5	90	112.5	
1006TAG	*	121	133	90	0.8	*	*	109	136	120	150	■
1006TAG2	*	129.3	143	93	0.8	*	*	120.2	150	132	165	
1106C-E66TAG4	*	158.8	175.9	93	0.8	*	*	147.7	184.6	163.6	204.5	■
1306C-E87TAG3	164	180	199	92	0.8	151	189	166	208	183	229	■
1306C-E87TAG4	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	
2206A-E13TAG2	*	304	344	93	0.8	*	*	280	350	320	400	■
2206A-E13TAG3	*	344	387	93	0.8	*	*	320	400	360	450	■
2306A-E14TAG2	239	304	344	93	0.8	220	275	280	350	320	400	■
2306A-E14TAG3	261	344	387	93	0.8	240	300	320	400	360	450	■
2506A-E15TAG1	*	396	435	92	0.8	*	*	364	455	400	500	■
2506A-E15TAG2	*	435	478	92	0.8	*	*	400	500	440	550	■
2806A-E18TAG1A	*	516	568	93	0.8	*	*	480	600	528	660	■
2806A-E18TAG2	*	559	602	93	0.8	*	*	520	650	560	700	■
4006-23TAG2A	495	620	685	93	0.8	468	585	584	730	640	800	
4006-23TAG3A	540	679	760	94	0.8	512	640	640	800	720	900	
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	
4012-46TWG2A	833	1055	1166	95	0.8	791	989	1002	1253	1108	1385	
4012-46TWG3A	909	1149	1263	95	0.8	864	1080	1091	1364	1200	1500	
4012-46TAG1A	909	1148	1263	95	0.8	864	1080	1091	1364	1200	1500	
4012-46TAG2A	1005	1267	1395	95	0.8	955	1194	1204	1505	1325	1656	
4016TWG2	1112	1406	1550	96	0.8	1068	1335	1350	1688	1488	1861	
4012-46TAG3A	1196	1436	1579	95	0.8	1136	1420	1364	1705	1500	1875	
4016TAG	1160	1460	1607	96	0.8	1114	1392	1402	1752	1543	1928	
4016TAG1A	1219	1537	1690	96	0.8	1171	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	1312	1640	1640	2050	1804	2255	
4016TAG2A	1362	1715	1886	96	0.8	1307	1634	1646	2058	1811	2264	

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

4006-23TRS1†	322	-	-	95.4	1	307	307	-	-	-	-	
4006-23TRS2†	395	-	-	95.4	1	375	375	-	-	-	-	
4008-30TRS1†	447	-	-	95	1	425	425	-	-	-	-	
4008-30TRS2†	526	-	-	95	1	500	500	-	-	-	-	
4012TESI†	632	-	-	96	1	607	607	-	-	-	-	
4016TESI†	842	-	-	96.8	1	815	815	-	-	-	-	
4016-61TRS1	tbc	-	-	tbc	1	tbc	tbc	-	-	-	-	
4016-61TRS2	tbc	-	-	tbc	1	tbc	tbc	-	-	-	-	
4016-E61TRS	1042	-	-	96.8	1	1008	1008	-	-	-	-	

\*Available on application † Gross power

### Notes:

- All ratings are for guidance only, please refer to the specific engine technical data sheet for final powers.
- Switchable engines must be requested at point of order, please consult with your local Perkins representative.
- 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 (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.

# Gen Set Power Selector Chart

Model offering for Unregulated Territories

**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 (9 kWe to 1500 kWe)

403D-11G	*	10.3	11.4	87	0.8	*	*	9	11.2	9.9	12.4	
403D-15G	*	14.4	15.9	88	0.8	*	*	12.7	15.8	14	17.5	■
404D-22G	*	21.6	23.9	89	0.8	*	*	19.2	24	21.3	26.6	■
404D-22TG	*	28.7	31.8	89	0.8	*	*	25.5	31.9	28.3	35.4	■
404D-22TAG	*	31.6	34.9	90	0.8	*	*	28.4	35.6	31.4	39.3	
1103A-33G	*	32.2	35.4	87	0.8	*	*	27.9	34.9	30.6	38.2	■
1103A-33TG1	*	48.9	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	■
1104A-44TG1	*	68.6	75.5	89	0.8	*	*	60.8	76	66.9	83.6	■
1104A-44TG2	*	82	90.2	89	0.8	*	*	73	91.3	80.3	100.3	■
1006TG1A	*	96.5	106.5	90	0.8	*	*	87	109	96	120	
1006TG2A	*	107	118	90	0.8	*	*	96.5	120.5	106	132.5	
1006TAG	*	134	147	90	0.8	*	*	120.5	151	132.5	165.5	■
1106C-E66TAG2	*	136.6	153.6	92	0.8	*	*	125.7	157.1	141.3	176.6	■
1106C-E66TAG3	*	146.4	163.4	92	0.8	*	*	134.7	168.4	150.3	187.9	■
1106C-E66TAG4	*	173.7	192.3	92	0.8	*	*	159.8	199.8	176.9	221.1	■
1106D-E66TAG2	*	136.6	153.6	92	0.8	*	*	125.7	157.1	141.3	176.6	
1106D-E66TAG3	*	146.4	163.4	92	0.8	*	*	134.7	168.4	150.3	187.9	
1106D-E66TAG4	*	173.7	192.3	92	0.8	*	*	159.8	199.8	176.9	221.1	
1306C-E87TAG3	182	201	220	92	0.8	167	209	185	231	202	253	■
1306C-E87TAG4	194	213	235	92	0.8	178	223	196	245	216	270	■
2206A-E13TAG5	*	348	376	93	0.8	*	*	320	400	350	438	■
2206A-E13TAG6	*	376	430	93	0.8	*	*	350	438	400	500	■
2306A-E14TAG2	272	348	376	93	0.8	250	313	320	400	350	438	■
2306A-E14TAG3	299	376	430	93	0.8	275	344	350	438	400	500	■
2506A-E15TAG3	*	446	490	92	0.8	*	*	410	513	450	563	■
2506A-E15TAG4	*	495	543	92	0.8	*	*	455	569	500	625	■
2506C-E15TAG4#	-	-	597	92	0.8	-	-	-	-	550	687	
2806A-E18TAG1A	*	538	591	93	0.8	*	*	500	625	550	688	■
2806A-E18TAG3	*	586	645	93	0.8	*	*	545	681	600	750	■
4006-23TAG2A	510	640	715	94	0.8	480	600	600	750	675	844	
4008TAG	556	704	776	95	0.8	528	660	669	836	737	921	
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	1098	
4012-46TWG2A	833	1055	1166	95	0.8	791	989	1002	1253	1108	1385	
4012-46TWG3A	909	1149	1263	95	0.8	864	1080	1091	1364	1200	1500	
4012-46TAG1A	909	1149	1263	95	0.8	864	1080	1091	1364	1200	1500	
4012-46TAG2A	1005	1267	1395	95	0.8	955	1194	1204	1505	1325	1656	
4012-46TAG3A	1196	1436	1579	95	0.8	1136	1420	1364	1705	1500	1875	

## 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	
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 (576 kWe to 772 kWe)

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

\*Available on application † Gross power # Emergency Standby Power only

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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 (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.
- **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.



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