Gen Set Power Selector Chart

97/68/EC Certified Models

2015 Issue 2

50Hz

Model	EU Emissions Level	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 kVA to 36 kVA)											
402D-05G	N/A <19 kW		7.7	8.5			7	8	7	9	
403D-07G	N/A <19 kW		11.4	12.8			10	12	11	14	
403D-11G	Stage IIIA		17	18			14	18	16	20	
403D-15G	Stage IIIA		20	22			18	22	29	24	
404D-22G2	Stage IIIA		30	33			27	33	29	36	
1500 rev/min (9 kVA to 750 kVA)											
403D-11G	N/A <19 kW		8	9			7	9	8	10	
403D-15G	N/A <19 kW		12	13			10	13	11	14	
404D-22G	Stage IIIA		18	20			16	20	18	22	
404D-22TG	Stage IIIA		25	27			22	27	24	30	
1103D-33G2	Stage IIIA		29	32			25	32	28	35	■
1103D-33G3	Stage IIIA		29	32			25	32	28	35	
1104D-44TG2	Stage IIIA		54	59			48	60	53	66	■
1104D-44TG3	Stage IIIA		54	59			48	60	53	66	
1104D-E44TAG1	Stage IIIA		73	81			64	80	70	89	■
1104D-E44TAG2	Stage IIIA		91	101			80	100	88	110	■
1106D-E70TAG2	Stage IIIA		129	143			114	142	126	157	■
1106D-E70TAG3	Stage IIIA		141	156			120	150	138	172	■
1106D-E70TAG4	Stage IIIA		165	182			144	180	160	200	■
2206D-E13TAG2	India CPCBII	-	349	-	-	-	320	400	-	-	
2506D-E15TAG2	Stage IIIA		435	478			400	500	440	550	
2806D-E18TAG2	India CPCBII	-	522	-	-	-	480	600	-	-	
4006D-23TAG2⩤	India CPCBII	504	637	-	480	600	600	750	-	-	

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

⩤ No overload capability

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 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.

Publication No.PN3011/10/15

Perkins®

THE HEART OF EVERY GREAT MACHINE

Gen Set Power Selector Chart

Certified Models
Tier 2 and 3 - U.S. EPA 40 CFR Part 60
Tier 4 Interim - U.S. EPA 40 CFR Part 1039
2015 Issue 2

60Hz

Model	EPA Emissions Level	Net Engine Output		Typical Generating Set Output				1800/1500 rev/min switchable
		Prime	Standby	Prime		Standby		
		kWm	kWm	kWe	kVA	kWe	kVA	
1800 rev/min (3 kWe to 600 kWe)								
402F-05G❖	Tier 4 Final	3.3	3.6	2.8	3.5	3.1	3.9	
402D-05G❖	ESE only	4.5	5.0	3.9	4.8	4.3	5.4	
403F-07G❖	Tier 4 Final	5.4	5.4	4.6	5.8	4.6	5.8	
403D-07G❖	ESE only	6.6	7.3	5.7	7.1	6.3	7.8	
403F-11G	Tier 4 Final	10	10	8	10	8	10	
403D-11G	ESE only	10	11	9	11	10	12	❑
403F-15G	Tier 4 Final	14	14	12	15	12	15	❑
403D-15G	ESE only	14	16	13	16	14	17	❑
404D-22G	ESE only	22	24	19	24	21	27	❑
404D-22TG	ESE only	30	33	26	33	29	36	❑
404D-22TAG	ESE only	32	36	29	36	32	40	
1104D-44TG1~	ESE only	-	63	-	-	57	71	
1104D-E44TG1~	ESE only	-	72	-	-	65	81	
1104D-E44TAG1~	ESE only	-	91	-	-	82	102	
1104D-E44TAG2~	ESE only	-	104	-	-	100	125	
1204F-E44TTAG	Tier 4 Final	109	121	91	114	100	125	
1106D-E70TAG2~	ESE only	145	161	135	169	143	178	■
1206F-E70TTAG3	Tier 4 Final	151	168	135	169	150	188	
1106D-E70TAG3~	ESE only	157	173	136	170	153	191	■
1106D-E70TAG4~	ESE only	180	199	160	200	175	219	■
1206F-E70TTAG4	Tier 4 Final	201	223	180	225	200	250	
1106D-E70TAG5	ESE only	-	224	-	-	200	250	
1506D-E88TAG3	ESE only	-	273	-	-	250	313	
1506D-E88TAG5	ESE only	-	333	-	-	300	375	
2206D-E13TAG2~	ESE only	-	381	-	-	350	438	
2206D-E13TAG3~	ESE only	-	435	-	-	400	500	
2506D-E15TAG1~	ESE only	-	490	-	-	450	563	
2506C-E15TAG3~	Tier 2	-	543	-	-	500	625	
2506C-E15TAG4~	Tier 2	-	597	-	-	550	687	
2806C-E18TAG3~	Tier 2	-	652	-	-	600	750	■

■ Switchable engines must be requested at point of order, please consult with your local Perkins representative
❖ Available as Electro Unit only
ESE Emergency Stationary Equipment
~ Emergency Standby Power
❑ Switchable via retrofit electronic governor

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%.
- **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 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.

Publication No. PN3011/10/15 Produced in England

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