

Gen Set Power Selector Chart

97/68/EC Certified Models

2014 Issue 1

50Hz

Model	EU Emissions Level	Net Engine Output		Typical Generating Set Output				1500/1800 rev/min switchable
		Prime	Standby	Prime		Standby		
		kWm	kWm	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	11.6	12.8	10	13	11	14	
403D-11G	Stage IIIA	17	19	15	18	16	20	
403D-15G	Stage IIIA	20	22	18	22	19	24	
404D-22G1	Stage IIIA	27	30	24	30	27	33	
404D-22G2	Stage IIIA	30	33	26	33	29	36	

1500 rev/min (9 kVA to 550 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	24	30	26	33	■
1103D-33G3	Stage IIIA	29	32	24	30	26	33	
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	88	■
1104D-E44TAG2	Stage IIIA	92	101	80	100	88	110	■
1606D-E93TAG4	Stage IIIA	239	261	220	275	240	300	■
1606D-E93TAG5	Stage IIIA	261	287	240	300	264	330	■
2506D-E15TAG2	Stage IIIA	435	478	400	500	440	550	

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

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.

Gen Set Power Selector Chart

Certified Models

Tier 2 and 3 - EPA 40 CFR Part 60

Tier 4 Interim - EPA 40 CFR Part 1039

2014 Issue 1

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 (4 kWe to 600 kWe)

402F-05G [❖]	Tier 4 Final	3.3	3.6	2.8	3.5	3.1	3.9	
403F-07G [❖]	Tier 4 Final	5.4	5.4	4.6	5.8	4.6	5.8	
403F-11G	Tier 4 Final	10	10	8.3	10.3	8.3	10.3	
403F-15G	Tier 4 Final	14	14	12	15	12	15	
403F-15TG	Tier 4 Final	16	18	14	18	16	20	
404F-22G	Tier 4 Final	22	24	19	24	21	27	
404D-22TG	Tier 4 Final	30	33	26	33	29	36	
402D-05G [❖]	ESE only	4.5	5.0	3.9	4.8	4.3	5.4	
403D-07G [❖]	ESE only	6.6	7.3	5.7	7.1	6.3	7.8	
403D-11G	ESE only	10	11	9	11	10	12	
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	27	33	29	36	■
404D-22TAG	ESE only	32	36	29	36	32	40	
1104D-44TG1~	ESE only	-	63	-	-	55	69	
1104D-E44TG1~	ESE only	-	72	-	-	65	81	
1204E-E44TAG1	Tier 4 Interim	69	76	55	68	60	75	
1104D-E44TAG1~	ESE only	-	91	-	-	80	100	
1104D-E44TAG2~	ESE only	-	111	-	-	100	125	
1204E-E44TTAG2	Tier 4 Interim	109	121	91	114	100	125	
1106D-E66TAG2~	ESE only	-	154	-	-	140	175	
1106D-E66TAG3~	ESE only	-	159	-	-	150	188	
1206E-E70TTAG3	Tier 4 Interim	151	168	135	169	150	188	
1106D-E66TAG4~	ESE only	-	192	-	-	175	219	
1206E-E70TTAG4	Tier 4 Interim	201	223	180	225	200	250	
1606D-E93TAG4~	ESE only	272	299	-	-	275	344	■
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

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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%.
- **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.