

# Generating Set Power Selector

EU Stage V, Stage IIIA >19 kW, unregulated <19 kW, India CPCBII, China Non-Road Stage III

50 Hz		Emissions Certification	Aftertreatment	Net Engine Output			Typical Generator Set Output				1500/1800 rev/min switchable	
Litres	Model			Baseload	Prime	Standby	Prime		Standby			
				kWm	kWm	kWm	kWe	kVA	kWe	kVA		
<b>3000 rpm (8 kVA to 36 kVA)</b>												
0.5	402D-05G	N/A <19 kW	-	-	7.7	8.5	7	8	7	9	-	
0.7	403D-07G	N/A <19 kW	-	-	11.5	12.6	10	12	11	14	-	
1.1	403D-11G	EU Stage IIIA	-	-	17	18	14	18	16	20	-	
1.5	403D-15G	EU Stage IIIA	-	-	18	20	18	22	20	24	-	
2.2	404D-22G2	EU Stage IIIA	-	-	30	33	27	33	29	36	-	
<b>1500 rpm (9 kVA to 750 kVA)</b>												
0.7	403D-07G*	N/A <19 kW	-	-	5.4	5.9	4.5	5.6	4.9	6.1	-	
1.1	403D-11G	N/A <19 kW	-	-	8	9	7	9	8	10	-	
1.5	403D-15G	N/A <19 kW	-	-	12	13	10	13	11	14	-	
2.2	404D-22G	EU Stage IIIA	-	-	18	20	16	20	18	22	-	
	404D-22TG	EU Stage IIIA	-	-	25	27	22	27	24	30	■	
3.3	1103D-33G2	EU Stage IIIA	-	-	29	32	25	32	28	35	■	
	1103D-33G3	EU Stage IIIA	-	-	29	32	25	32	28	35	-	
4.4	1104D-44TG2	EU Stage IIIA	-	-	54	59	48	60	53	66	■	
	1104D-44TG3	EU Stage IIIA	-	-	54	59	48	60	53	66	-	
	1104D-E44TAG1	EU Stage IIIA	-	-	74	81	64	80	70	89	■	
	1104D-E44TAG2	EU Stage IIIA	-	-	91	101	80	100	88	110	■	
7.0	1106D-E70TAG2	EU Stage IIIA	-	-	129	143	114	142	126	157	■	
	1106D-E70TAG3	EU Stage IIIA	-	-	141	156	120	150	138	172	■	
	1106D-E70TAG4	EU Stage IIIA	-	-	165	182	144	180	160	200	■	
	1206D-70TTAG1	EU Stage IIIA	-	-	175	192	160	200	176	220	■	
	1206D-70TTAG2	EU Stage IIIA	-	-	201	217	184	230	200	250	■	
	1206D-70TTAG3	EU Stage IIIA	-	-	217	238	200	250	220	275	■	
12.5	2206D-E13TAG3	EU Stage IIIA	-	-	349	392	320	400	360	450	-	
		India CPCBII	-	-	349	-	320	400	-	-	-	
15.2	2506D-E15TAG2	EU Stage IIIA	-	-	-	-	-	-	-	-	-	
		India CPCBII	-	-	435	478	400	500	440	550	-	
18.1	2806D-E18TAG2	India CPCBII	-	-	-	-	-	-	-	-	-	
		China Stage III	-	-	522	574	480	600	528	660	-	
23.0	4006D-E23TAG1	India CPCBII	-	-	507*	634*	698*	600	750	660	825	-
30.0	4008D-E30TAG1	India CPCBII	-	-	546*	682*	758*	648	810	720	900	-
	4008D-E30TAG2	India CPCBII	-	-	628*	763*	840*	728	910	800	1000	-

❖ Available as Electro Unit only.

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

\* 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 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.

# Generating Set Power Selector

Tier 2 and 3 - U.S. EPA 40 CFR Part 60

Tier 4 Final - U.S. EPA 40 CFR Part 1039

60 Hz		Emissions Certification	Aftertreatment	Net Engine Output		Typical Generator Set Output				1800/1500 rev/min switchable
Litres	Model			Prime	Standby	Prime		Standby		
				kWm	kWm	kWe	kVA	kWe	kVA	
<b>1800 rpm (3 kWe to 600 kWe)</b>										
0.5	402F-05G*	Tier 4 Final	-	3.3	3.6	2.8	3.5	3.1	3.9	-
	402D-05G*	Tier 4 Final **	-	4.5	5	3.9	4.8	4.3	5.4	-
0.7	403F-07G*	Tier 4 Final	-	5	5.5	4.3	5.4	4.7	5.9	-
	403D-07G*	Tier 4 Final **	-	6.6	7.3	5.7	7.1	6.3	7.8	-
1.1	403F-11G	Tier 4 Final	-	9	9	9	11	10	12	-
	403D-11G	Tier 4 Final **	-	10	11	9	11	10	12	□
1.5	403F-15G	Tier 4 Final	-	14	14	12	15	12	15	□
	403D-15G	Tier 4 Final **	-	14	16	13	16	14	17	□
2.2	404D-22G	Tier 4 Final **	-	22	24	19	24	21	27	□
	404D-22TG	Tier 4 Final **	-	30	33	26	33	29	36	■
	404D-22TAG	Tier 4 Final **	-	32	36	29	36	32	40	-
3.4	854F-E34TG1	Tier 4 Final	-	48	53	43	55	47	59	-
4.4	1104C-44G2	Tier 2	-	47	52	43	53	47	59	■
	1104C-44TAG1	Tier 2	-	80	89	72	90	80	100	■
	1104C-44TAG2	Tier 2	-	102	112	92	114	101	127	■
	1104D-44TG1~	Tier 3	-	-	63	-	-	57	71	-
	1104D-E44TG1~	Tier 3	-	-	72	-	-	65	81	-
	1104D-E44TAG1~	Tier 3	-	-	93	-	-	80	100	-
	1104D-E44TAG2~	Tier 3	-	104	115	91	114	100	125	-
7.0	1204F-E44TTAG2~	Tier 4 Final	DOC+SCR	109	121	91	114	100	125	-
	1106D-E70TAG2~	Tier 3	-	145	161	135	169	143	178	■
	1206F-E70TTAG3	Tier 4 Final	DOC+DPF+SCR	151	168	135	169	150	188	-
	1106D-E70TAG3~	Tier 3	-	157	173	136	170	153	191	■
	1106D-E70TAG4~	Tier 3	-	180	199	160	200	175	219	■
	1206D-E70TAG1	Tier 3	-	201	223	180	225	200	250	■
	1206F-E70TTAG4	Tier 4 Final	DOC+DPF+SCR	201	223	180	225	200	250	-
8.8	1106D-E70TAG5	Tier 3	-	-	224	-	-	200	250	-
	1506D-E88TAG3	Tier 3	-	254	276	234	292	254	317	-
9.3	1506D-E88TAG5	Tier 3	-	306	336	282	352	309	386	-
	1706D-E93TAG1	Tier 3	-	257*	284*	236*	296*	260*	327*	-
12.5	1706D-E93TAG2	Tier 3	-	292*	322*	270*	335*	296*	370*	-
	2206D-E13TAG2~	Tier 3	-	-	381	-	-	350	438	-
15.2	2206D-E13TAG3~	Tier 3	-	-	435	-	-	400	500	-
	2206F-E13TAG2	Tier 4 Final	DOC+DPF+SCR	386	423	340	425	375	469	-
	2506D-E15TAG1~	Tier 3	-	-	490	-	-	450	563	-
18.1	2506C-E15TAG3~	Tier 2	-	-	543	-	-	500	625	-
	2506C-E15TAG4~	Tier 2	-	-	597	-	-	550	687	-
	2806F-E18TAG1	Tier 4 Final	DOC+DPF+SCR	528	581	455	570	500	625	-
18.1	2806C-E18TAG3~	Tier 2	-	-	652	-	-	600	750	■
	2806C-E18TAG6	Tier 2	-	676*	745*	635	794	700	875	-
	2806C-E18TAG7	Tier 2	-	723*	798*	680	850	750	938	-

- ❖ Available as Electro Unit only
- Switchable engines must be requested at point of order, please consult with your local Perkins representative
- Switchable via retrofit electronic governor
- \* Engineering targets pending final confirmation, please consult with your local Perkins representative for the latest information
- \*\* Pre NRE and NRTC emissions levels
- ~ Emergency Standby Power
- ESE Emergency Stationary Equipment

**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 typical generator 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 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.