Certified models

2021 Issue 1

Generating set power selector

EU Stage V, Stage IIIA >19 kW, India CPCBII, China Nonroad Stage III

50 Hz 1500 rpm		Emissions certification	Aftertreatment	Net engine output		Typical generator set output				1500/1800 rpm switchable
				Prime	Standby	Prime		Standby		
Litres	Model			kW	kW	kWe	kVA	kWe	kVA	
0.5	402J-05G	EU Stage V	-	4	4	3	4	3	4	-
0.7	403J-07	EU Stage V	-	5	6	5	6	5	6	-
1.1	403D-11G	N/A <19 kW	-	8	9	7	9	8	10	-
	403J-11G	EU Stage V	-	8	9	7	9	8	10	-
1.5	403D-15G	N/A <19 kW	-	12	13	10	13	12	15	-
2.2	404D-22G	EU Stage IIIA	-	18	20	16	20	18	22	-
	404J-22G	EU Stage V	-	19	21	16	20	18	22	-
3.3	1103D-33G2	EU Stage IIIA	-	29	32	25	32	28	35	Y
	1103D-33G3	EU Stage IIIA	-	29	32	25	32	28	35	-
4.4	1104D-44TG2	EU Stage IIIA	-	54	59	48	60	53	66	Y
	1104D-44TG3	EU Stage IIIA	-	54	59	48	60	53	66	-
	1104D-E44TAG1	EU Stage IIIA	-	74	81	64	80	70	88	Y
	1104D-E44TAG2	EU Stage IIIA	-	91	101	80	100	88	110	Y
	1204J-E44TTAG2	EU Stage V	DOC+DPF+SCR	114	125	96	120	106	132	Y
7.0	1106D-E70TAG2	EU Stage IIIA	-	129	143	114	123	126	135	Y
	1106D-E70TAG3	EU Stage IIIA	-	141	156	125	136	138	150	Y
	1106D-E70TAG4	EU Stage IIIA	-	165	182	144	180	160	200	Y
	1206D-E70TTAG1	EU Stage IIIA	-	178	196	160	200	176	225	Y
	1206J-E70TTAG3	EU Stage V	DOC+DPF+SCR	182	200	160	200	176	220	Y
	1206D-E70TTAG2	EU Stage IIIA	-	196	218	184	225	200	250	Y
	1206D-E70TTAG3	EU Stage IIIA	-	218	240	200	250	220	275	Y
9.3	1706J-E93TAG1	EU Stage V	DOC+DPF+SCR	231	254	206	257	277	287	-
	1706J-E93TAG2	EU Stage V	DOC+DPF+SCR	274	302	244	305	267	296	Y
12.5	2206D-E13TAG3	EU Stage IIIA China NR III	-	349	392	320	400	360	450	-
	2206D-E13TAG3	India CPCB II	-	349	-	320	400	-	-	-
15.2	2506D-E15TAG2	EU Stage IIIA China NR III	-	435	478	400	500	440	550	-
	2506D-E15TAG2	India CPCB II	-	435	-	400	500	-	-	-
18.1	2806D-E18TAG1A	China NR III	-	522	574	480	600	528	660	-
	2806D-E18TAG1A	India CPCB II	-	522	-	480	600	-	-	-
23.0	4006D-E23TAG2	India CPCB II	-	638	702	600	750	660	825	-
30.0	4008D-E30TAG1	India CPCB II	-	693	769	648	810	720	900	-
	4008D-E30TAG2	India CPCB II	-	772	855	728	910	808	1010	-

Notes:

- All ratings are rounded to the nearest whole number and are for guidance only. Please refer to the technical data sheet for accurate 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.
- Switchable engines must be requested at point of order, please consult with your local Perkins representative.
- Perkins conditions of sale apply.
- All ratings data based on operation under ISO 8528-1, ISO 3046 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by Perkins is +/-5%.
- Prime power = power available at variable load in lieu of main power network (please refer to the engine technical data sheets for specific load factor). An overload of 10% is permitted for 1 hour in every 12 hours of operation.
- Standby power = power available at variable load in the event of a main power network (please refer to the engine technical data sheets for specific load factor) failure up to a maximum of 500 hours per year. No overload is permitted.

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Perkins®

THE HEART OF EVERY GREAT MACHINE

Certified models

2021 Issue 1

Generating set power selector

Tier 2, Tier 3, Tier 4 Interim and Tier 4 Final** - U.S. EPA 40 CFR Part 60
Tier 4 Final - U.S. EPA 40 CFR Part 1039

60 Hz 1800 rpm		Emissions certification	Aftertreatment	Net engine output		Typical generator set output				1500/1800 rpm switchable
				Prime	Standby	Prime		Standby		
Litres	Model			kW	kW	kWe	kVA	kWe	kVA	
0.5	402D-05G	Tier 4 Final*	-	5	5	4	5	4	5	-
0.7	403D-07G	Tier 4 Final*	-	7	7	6	7	6	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	-	12	14	11	14	12	15	-
	403D-15G	Tier 4 Final*	-	14	16	13	16	14	18	-
2.2	404D-22G	Tier 4 Interim**	-	22	24	19	24	21	27	-
	404D-22TG	Tier 4 Interim**	-	30	33	26	33	29	36	Y
	404D-22TAG	Tier 4 Interim**	-	32	36	29	37	32	40	-
4.4	1104C-44G2	Tier 2	-	47	52	43	53	47	59	-
	1104D-44TG1	Tier 3	-	-	63	-	-	57	71	Y
	1104C-44TG1	Tier 2	-	60	67	54	68	60	75	Y
	1104C-44TG2	Tier 2	-	60	67	54	68	60	75	Y
	1104D-E44TG1	Tier 3	-	65	71	55	68	60	75	-
	1104C-44TAG1	Tier 2	-	80	89	72	91	80	100	-
	1104D-E44TAG1	Tier 3	-	85	93	73	91	80	100	Y
	1104C-44TAG2	Tier 2	-	102	112	92	114	101	127	-
	1104D-E44TAG2	Tier 3	-	104	115	91	114	100	125	-
	1204J-E44TTAG2	Tier 4 Final	DOC+DPF+SCR	117	129	91	114	100	125	
7.0	1106D-E70TAG2	Tier 3	-	145	161	130	162	143	178	Y
	1106D-E70TAG3	Tier 3	-	157	173	139	174	153	191	Y
	1206J-E70TTAG3	Tier 4 Final	DOC+DPF+SCR	167	184	135	169	149	186	
	1106D-E70TAG4	Tier 3	-	180	199	160	200	175	219	Y
	1106D-E70TAG5	Tier 3	-	-	224	-	-	200	250	-
	1206D-E70TTAG1	Tier 3	-	202	224	180	225	200	250	Y
	1206J-E70TTAG4	Tier 4 Final	DOC+DPF+SCR	217	238	180	225	200	250	
9.3	1706D-E93TAG1	Tier 3	-	254	281	234	292	259	323	-
	1706D-E93TAG2	Tier 3	-	309	341	284	356	314	393	-
	1706J-E93TAG2	Tier 4 Final	DOC+DPF+SCR	307	338	267	334	334	369	Y
12.5	2206D-E13TAG2	Tier 3	-	349	381	320	400	350	438	-
	2206F-E13TAG2	Tier 4 Final	DOC+DPF+SCR	358	395	340	425	375	469	Y
	2206D-E13TAG3	Tier 3	-	381	435	350	438	400	500	-
15.2	2506D-E15TAG1	Tier 3	-	435	490	400	500	450	563	-
	2506C-E15TAG3	Tier 2	-	509	562	468	585	517	646	-
	2506C-E15TAG4	Tier 2	-	-	597	-	-	550	687	-
18.1	2806F-E18TAG1	Tier 4 Final	DOC+DPF+SCR	475	529	455	569	500	625	-
	2806C-E18TAG3	Tier 3	-	592	652	545	681	600	750	Y
	2806C-E18TTAG6	Tier 3	-	685	754	650	813	716	895	-
	2806C-E18TTAG7	Tier 3	-	716	790	680	850	750	938	-
30.0	5008C-E30TAG4	Tier 2***	-	853	947	810	1012	900	1125	-
	5008C-E30TAG5	Tier 2***	-	947	1053	900	1125	1000	1250	-

* Tier 4 Final pre-NTE and NRTC emissions standards - for use in Emergency Stationary Equipment

** For use in Emergency Stationary Equipment

*** Ratings available for DCP and ESP applications only

Notes:

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- Switchable engines must be requested at point of order, please consult with your local Perkins representative.
- Perkins conditions of sale apply.
- All ratings data based on operation under ISO 8528-1, ISO 3046 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by Perkins is +/-5%.
- Prime power = power available at variable load in lieu of main power network (please refer to the engine technical data sheets for specific load factor). An overload of 10% is permitted for 1 hour in every 12 hours of operation.
- Standby power = power available at variable load in the event of a main power network (please refer to the engine technical data sheets for specific load factor) failure up to a maximum of 500 hours per year. No overload is permitted.
- Data centre power (DCP) = power available for variable of continuous electrical loads in a data centre. Up to 100% load factor is permitted for unlimited time. An overload of 10% is permitted for 1 hour in every 12 hours of operation.
- 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.

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