Gen Set Power Selector Chart

EU2007 97/68/EC Certified Models

2010 Issue 2

50Hz Model	EU Emissions Level	Net Engine Output			Typical Generator Efficiency	Typical Power Factor	Typical Generating Set Output						1500/1800 rev/min switchable
							Baseload		Prime		Standby		
		Baseload kWm	Prime kWm	Standby kWm	%		kWe	kVA	kWe	kVA	kWe	kVA	
3000 rev/min (21.9 kVA to 36.4 kVA)													
403D-15G	Stage 2	*	20.2	22.2	87	0.8	*	*	17.6	21.9	19.3	24.1	
404D-22G	Stage 2	*	29.7	32.7	89	0.8	*	*	26.5	33.1	29.1	36.4	
1500 rev/min (9 kVA to 650 kVA)													
404D-22G	Stage 2	*	18.4	20.3	88	0.8	*	*	16.2	20.3	17.8	22.3	
404D-22TG	Stage 2	*	24.3	26.7	90	0.8	*	*	21.8	27.3	24.0	30.0	■
1103C-33G2	Stage 2	*	27.3	30.4	90	0.8	*	*	24.6	30.7	27.4	34.2	■
1103C-33G3	Stage 2	*	27.3	30.4	90	0.8	*	*	24.6	30.7	27.4	34.2	
1103C-33TG2	Stage 2	*	40.9	45.6	90	0.8	*	*	36.8	46.0	41.0	51.3	■
1103C-33TG3	Stage 2	*	40.9	45.6	90	0.8	*	*	36.8	46.0	41.0	51.3	
1104C-44TG2	Stage 2	*	53.7	59.3	90	0.8	*	*	48.3	60.4	53.4	66.7	■
1104C-44TG3	Stage 2	*	53.7	59.3	90	0.8	*	*	48.3	60.4	53.4	66.7	
1104C-44TAG1	Stage 2	*	71.5	79.0	90	0.8	*	*	64.4	80.4	71.1	88.8	■
1104C-44TAG2	Stage 2	*	90.1	99.5	90	0.8	*	*	81.4	101.4	89.6	111.9	■
1106C-E66TAG2	Stage 2	*	119.5	133.0	92	0.8	*	*	109.9	137.4	122.4	152.9	■
1106C-E66TAG3	Stage 2	*	129.0	143.5	93	0.8	*	*	120.0	150.0	133.4	166.8	■
1106C-E66TAG4	Stage 2	*	158.4	175.5	93	0.8	*	*	147.3	184.1	163.2	204.0	■
1306C-E87TAG3	Stage 2	164	180	199	92	0.8	151	189	166	208	183	229	■
1306C-E87TAG4	Stage 2	179	198	217	92	0.8	165	205	182	228	200	250	■
1306C-E87TAG5	Stage 2	185	204	224	92	0.8	170	213	188	235	206	258	
1306C-E87TAG6	Stage 2	198	217	239	92	0.8	182	228	200	250	220	275	
2206C-E13TAG2	Stage 2	*	305	349	92	0.8	*	*	280	350	320	400	■
2206C-E13TAG3	Stage 2	*	349	392	92	0.8	*	*	320	400	360	450	■
2506C-E15TAG1	Stage 2	*	396	435	92	0.8	*	*	364	455	400	500	■
2506C-E15TAG2	Stage 2	*	435	478	92	0.8	*	*	400	500	440	550	■
2806C-E18TAG1A	Stage 2	*	514	565	92	0.8	*	*	473	591	520	650	■

*Available on application

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

Notes:

- All ratings are for guidance only, please refer to the specific engine technical data sheet for final powers.
- 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.
- **Prime Power** = Power available at variable load in lieu of main power network (please refer to the engine Technical Data Sheets for engine load factors). 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

EPA 40 CFR Part 89 Certified Models

2010 Issue 2

60Hz

Model	EPA Emissions Level	Net Engine Output			Typical Generator Efficiency	Typical Power Factor	Typical Generating Set Output						1500/1800 rev/min switchable
							Baseload		Prime		Standby		
		Baseload kWm	Prime kWm	Standby kWm	%		kWe	kVA	kWe	kVA	kWe	kVA	
1800 rev/min (3.9 kWe to 600 kWe)													
402D-05G❖	Tier 4	*	4.5	5.0	86	0.8	*	*	3.9	4.9	4.3	5.3	
403D-07G❖	Tier 4	*	6.6	7.3	86	0.8	*	*	5.7	7.1	6.3	7.8	
403D-11G	Tier 4	*	10.4	11.4	87	0.8	*	*	9.0	11.3	9.9	12.4	
403D-15G	Tier 4	*	14.4	15.8	88	0.8	*	*	12.6	15.8	13.9	17.4	■
404D-22G	Interim Tier 4	*	21.7	23.9	89	0.8	*	*	19.3	24.2	21.3	26.6	■
404D-22TG	Interim Tier 4	*	28.8	31.7	89	0.8	*	*	25.6	32.1	28.2	35.3	■
404D-22TAG	Interim Tier 4	*	31.5	34.7	90	0.8	*	*	28.4	35.5	31.2	39.0	
1104D-44TG1	Tier 3	*	57.0	63.0	90	0.8	*	*	51.3	64.1	56.7	70.9	
1104D-E44TG1	Tier 3	*	65.2	71.8	90	0.8	*	*	58.7	73.4	64.6	80.8	
1104D-E44TAG1	Tier 3	*	82.0	90.8	90	0.8	*	*	73.8	92.0	81.7	102.0	
1104D-E44TAG2	Tier 3	*	100.0	111.0	90	0.8	*	*	90.0	113.0	100.0	125.0	
1106D-E66TAG2	Tier 3	*	136.6	153.6	92	0.8	*	*	125.0	156.0	140.0	175.0	
1106D-E66TAG3	Tier 3	*	142.4	159.4	92	0.8	*	*	135.0	169.0	150.0	188.0	
1106D-E66TAG4	Tier 3	*	173.7	192.3	92	0.8	*	*	160.0	200.0	175.0	219.0	
2206D-E13TAG2	Tier 3	*	349	381	92	0.8	*	*	320	400	350	438	
2206D-E13TAG3	Tier 3	*	381	435	92	0.8	*	*	350	438	400	500	
2506D-E15TAG1	Tier 3	*	435	490	92	0.8	*	*	400	500	450	563	
2506C-E15TAG3	Tier 2	*	495	543	92	0.8	*	*	455	569	500	625	
2506C-E15TAG4#	Tier 2	-	-	597	92	0.8	-	-	-	-	550	687	
2806C-E18TAG3	Tier 2	*	592	652	92	0.8	*	*	545	681	600	750	■
3600 rev/min (7.6 kWe to 12.4 kWe)													
402D-05G❖	Tier 4	*	8.8	9.7	86	0.8	*	*	7.6	9.5	8.3	10.4	
403D-07G❖	Tier 4	*	13.1	14.4	86	0.8	*	*	11.3	14.1	12.4	15.5	

*Available on application # Emergency Standby Power only

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

❖ Available as Electro Unit only

Notes:

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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.
- **Prime Power** = Power available at variable load in lieu of main power network (Please refer to the engine Technical Data Sheets for engine load factors). 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 70% of the Emergency Standby Power rating. No overload is permitted.

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