

Gen Set Power Selector Chart

EU2007 97/68/EC Certified Models

2008 Issue 1

50Hz

Model	EU Emissions Level	Net Engine Output			Typical Generator Efficiency %	Typical Power Factor	Typical Generating Set Output						1500/1800 rev/min switchable
		Baseload kWm	Prime kWm	Standby kWm			Baseload		Prime		Standby		
							kWe	kVA	kWe	kVA	kWe	kVA	

3000 rev/min (17.5 kVA to 37.2 kVA)

403D-11G	Stage 2	*	16.1	17.9	86	0.8	*	*	14	17.5	15.6	19.5	
403D-15G	Stage 2	*	20.7	22.9	87	0.8	*	*	18	22.5	19.9	24.9	
404D-22G	Stage 2	*	30.2	33.4	89	0.8	*	*	26.9	33.6	29.7	37.2	

1500 rev/min (20.2 kVA to 650 kVA)

404D-22G	Stage 2	*	18.4	20.3	88	0.8	*	*	16.2	20.2	17.9	22.3	
404D-22TG	Stage 2	*	24.3	26.9	88	0.8	*	*	21.4	26.7	23.7	29.6	■
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	41	51.3	■
1103C-33TG3	Stage 2	*	40.9	45.6	90	0.8	*	*	36.8	46	41	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	90	0.8	*	*	64.4	80.4	71.1	88.8	■
1104C-44TAG2	Stage 2	*	90.1	99.5	90	0.8	*	*	81.1	101.4	89.6	111.9	■
1106C-E66TAG2	Stage 2	*	119.5	132.9	92	0.8	*	*	109.9	137.4	122.3	152.8	■
1106C-E66TAG3	Stage 2	*	129.5	143.9	93	0.8	*	*	120.4	150.5	133.8	167.3	■
1106C-E66TAG4	Stage 2	*	158.8	175.9	93	0.8	*	*	147.7	184.6	163.6	204.5	■
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	218	239	92	0.8	182	228	200	250	220	275	
2206C-E13TAG2	Stage 2	*	304	344	93	0.8	*	*	280	350	320	400	■
2206C-E13TAG3	Stage 2	*	344	387	93	0.8	*	*	320	400	360	450	■
2306C-E14TAG2	Stage 2	239	304	344	93	0.8	220	275	280	350	320	400	■
2306C-E14TAG3	Stage 2	261	344	387	93	0.8	240	300	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

Notes:

- All ratings are for guidance only, please refer to the specific engine technical data sheet for final powers.
- Switchable engines must be requested at point of order, please consult with your local Perkins representative.
- 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 $\pm 5\%$.
- **Baseload Power** = Power available for continuous full load operation. An overload of 10% permitted for one hour in every twelve hours of operation.
Please Note: No overload is permitted on 4000 Series.
- **Prime Power** = Power available at variable load in lieu of main power network (for 4000 Series maximum engine load factor is 80%). 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.

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EPA 40 CFR Part 89 Certified Models

Model	EPA Emissions Level	Net Engine Output			Typical Generator Efficiency %	Typical Power Factor	Typical Generating Set Output						1500/1800 rev/min switchable
		Baseload kWm	Prime kWm	Standby kWm			Baseload		Prime		Standby		
							kWe	kVA	kWe	kVA	kWe	kVA	

1800 rev/min (9 kWe to 600 kWe)

403D-11G	Tier 4	*	10.3	11.4	87	0.8	*	*	9	11.2	9.9	12.4	
403D-15G	Tier 4	*	14.4	15.9	88	0.8	*	*	12.7	15.8	14	17.5	■
404D-22G	Interim Tier 4	*	21.6	23.9	89	0.8	*	*	19.2	24	21.3	26.6	■
404D-22TG	Interim Tier 4	*	28.7	31.8	89	0.8	*	*	25.5	31.9	28.3	35.4	■
404D-22TAG	Interim Tier 4	*	31.6	34.9	90	0.8	*	*	28.4	35.6	31.4	39.3	
1104D-44TG1	Tier 3	*	57	63	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	90.8	90	0.8	*	*	73.8	92	81.7	102	
1104D-E44TAG2	Tier 3	*	100	111	90	0.8	*	*	90	113	100	125	
1106D-E66TAG2	Tier 3	*	136.6	153.6	92	0.8	*	*	125.7	157.1	141.3	176.6	
1106D-E66TAG3	Tier 3	*	146.4	163.4	92	0.8	*	*	134.7	168.4	150.3	187.9	
1106D-E66TAG4	Tier 3	*	173.7	192.3	92	0.8	*	*	159.8	199.8	176.9	221.1	
2206D-E13TAG2	Tier 3	*	348	376	93	0.8	*	*	320	400	350	438	
2206D-E13TAG3	Tier 3	*	376	430	93	0.8	*	*	350	438	400	500	
2506D-E15TAG1	Tier 3	*	435	490	92	0.8	*	*	400.2	500.3	450.8	563.5	
2506C-E15TAG3	Tier 2	*	495	543	92	0.8	*	*	455.4	569.3	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	■

*Available on application # Emergency Standby Power only

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- 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 $\pm 5\%$.
- **Baseload Power** = Power available for continuous full load operation. An overload of 10% permitted for one hour in every twelve hours of operation.
Please Note: No overload is permitted on 4000 Series.
- **Prime Power** = Power available at variable load in lieu of main power network (for 4000 Series maximum engine load factor is 80%). 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 100% of the Emergency Standby Power rating. No overload is permitted.



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