



Generating a better future



The heart of every
great machine

The Power to generate... from Perkins

In today's power generation market Perkins leads the way. Through our commitment to continuous improvement and global partnerships, Perkins has formed a worldwide Class A accredited operation. An operation dedicated to meeting the challenges of the power generation industry, now and in the future.

Perkins means diesel and gas power to people in countries all around the world. Globally Perkins specialist engine solutions are trusted by more than 1000 leading original equipment manufacturers, including the foremost OEMs in the power generation industry.



Since 1932 Perkins has produced over 17 million engines of which nearly half are still in service today.

Our products are supported by a global network of distributors and dealers. These engine experts give our customers complete peace of mind knowing their engines are maintained to the highest standards - wherever they are located in the world.

Perkins product line stretches from 9 to 2264 kVA (7 to 1811 kWe) and thrives on the toughest tasks man demands of engines

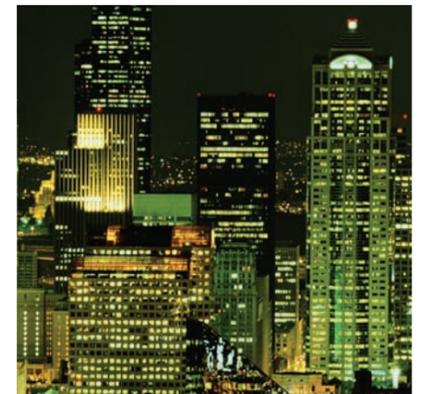
Producing over 350,000 engines every year Perkins has unrivalled experience in delivering total customer satisfaction worldwide. By concentrating on the production of engines rather than complete machines, Perkins has developed the largest range of power solutions to meet the demands of a swiftly moving market.

For gen set applications Perkins has a comprehensive range of ElectropaK™ specifications complete and ready to run. Where combined heat and power (CHP) is needed, Perkins has a dedicated range of engines offering maximum fuel efficiency and minimal running costs. Every year Perkins produces more than 90,000 diesel and gas engines specifically for electrical power generation.

Perkins means diesel and gas power to people in countries all around the world



Perkins produces more than 90,000 diesel and gas engines specifically for electrical power generation

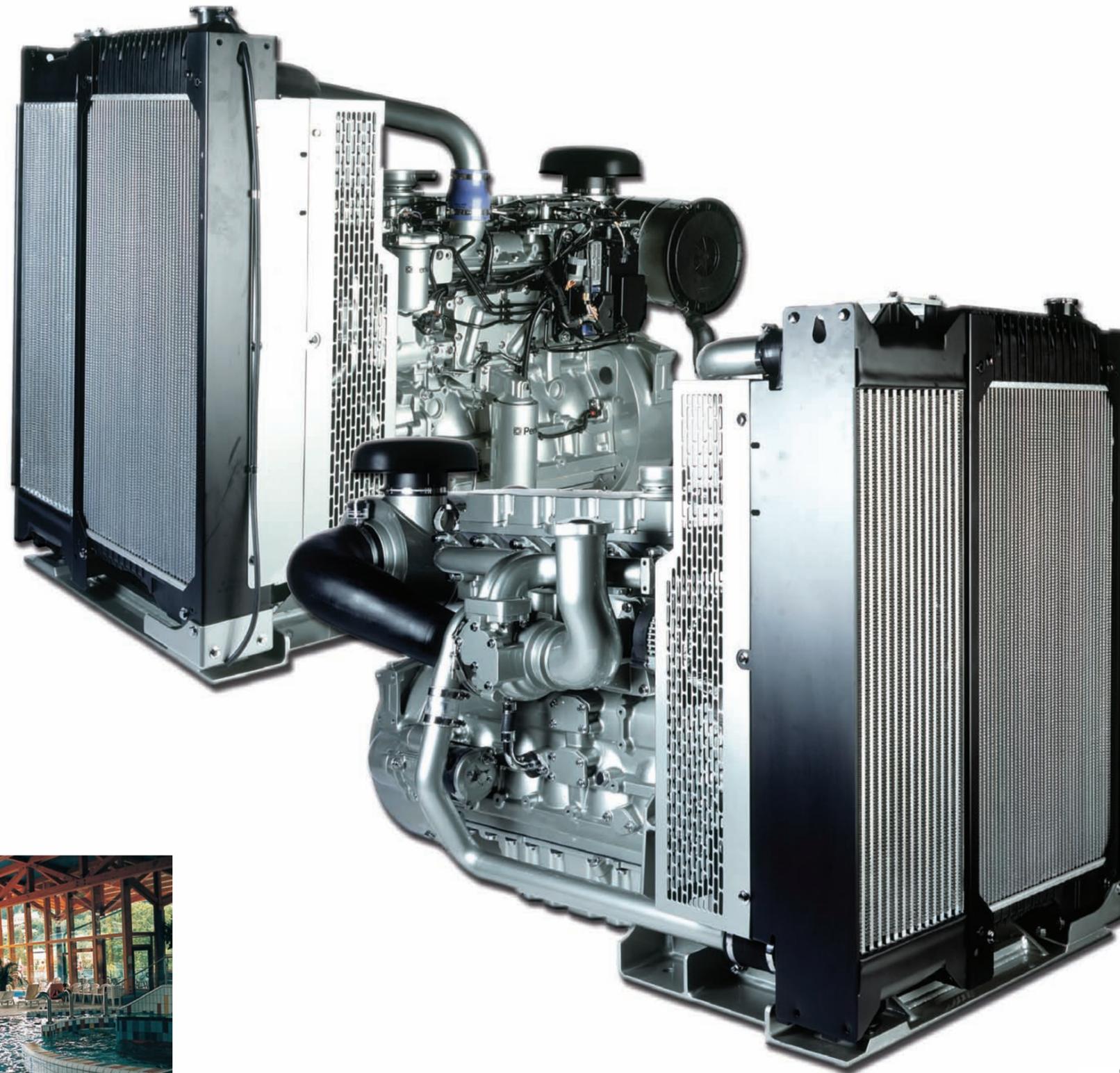


Power solutions for the power generation industry

From frozen wastelands to arid deserts, people rely on Perkins every day. Partners to the industry for over 75 years, Perkins' reputation for reliability and quality spans the globe.

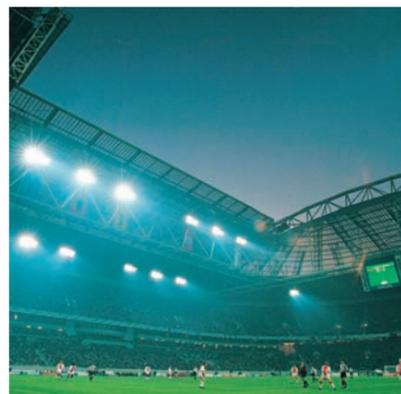
People who depend on power place their trust in Perkins. In the world's leading financial centres, Perkins powered gen sets provide emergency standby power; in the heights of the Bavarian Alps they're a source of baseload power. For some, Perkins expertise brings affordable electricity to places national networks don't reach. For others, Perkins engines provide a cost effective alternative to the main power network. Whatever the application, from lighting construction sites to running welding sets or heating and powering hotels, Perkins has the solution.

As one of the world's largest suppliers of diesel and gas engines for power generation, Perkins understands the demands of the industry and is committed to exceeding them.



Perkins comprehensive product range offers cost effective power with minimised running costs and rapid payback periods. It also offers choice and flexibility, with specifications ranging from bare engines, through complete Electropak™, to engines for combined heat and power.

Perkins' dedication to the lifelong support of its customers - delivered through a global distributor and dealer network - ensures rapid access to technical support and parts.



The power choice of over
1,000 OEMs

Extended Service Contract (ESC)

Extended Service Contracts (ESC) protect you from the stress that unexpected repair work brings to your life by covering the costs of getting your engine up and running again. Unlike other extended warranties, Perkins Platinum ESC protects you against all component part failures.

Purchase peace of mind from only 13p / \$0.23 / €0.19 a day and let an ESC make your dreams a reality.



Saving you from unexpected repair bills

Why buy an Extended Service Contract?

- No surprises - Total protection from unexpected repair costs (parts, labour and travel)
- Enjoy longer lasting product support from Perkins global network
- Genuine Perkins parts ensure continued engine performance
- Highly trained technicians carry out all repairs
- Transferable coverage should you sell your machine

Cost effective comprehensive coverage

- Flexible coverage provides the right level of protection for your Perkins Engine
- Total cost management system
- Coverage can be extended to 2 years/1,000 hours right up to 5 years/8,000 hours
- You can buy an ESC at anytime during standard warranty – even the last day!

Platinum coverage

- Complete protection against all defective part failures
- Covers labour and travel costs
- Free software upgrades

Gold coverage

- Safeguards you against almost all part failures
- Covers labour and travel costs



Purchased in minutes, protected for years

Protecting you from unexpected costs

If the worst happened, would you have the money available to cover the cost of an unexpected failure? With an ESC you wouldn't need to worry.

Supporting you every step of the way

Each Perkins Distributor has highly trained and experienced Perkins Product Support Service Technicians, equipped and available around the clock to get your engine running again with the minimum of downtime. Buying an ESC means you get all this for free. No hassles. No worries. Job done.

How do I purchase an Extended Service Contract?

Quickly and simply. Contact your local Perkins Distributor now, and they can provide you with a quote in minutes. You can locate your nearest Perkins Distributor by visiting www.perkins.com

What's not covered by an ESC?

- The costs of normal maintenance or regular servicing of your Perkins engine
- Any accessories or proprietary equipment not fitted by Perkins
- Costs for the repair/replacement of any machine component that has failed as a consequence of a Perkins engine failure

For full details of all exclusions please contact your local Perkins Distributor.



The complete range for all your power needs

The design features of Perkins engines ensure their suitability for all power generation applications of up to 2264 kVA in diesel power or 1008 kW_e on gas.

Perkins has a comprehensive range from bare engine to complete Electropak specifications. For the ultimate in fuel efficiency, Perkins offers a dedicated family of engines for CHP installations.

Throughout Perkins engine range, exceptional performance, reliability, durability and longevity combine to produce minimum operating costs and rapid 'payback' periods.



Exceptional performance, reliability, durability and longevity combine to produce minimum operating costs and rapid 'payback' periods



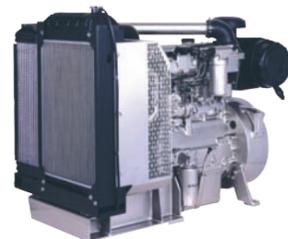
400 Series 9 to 39.3 kVA



- 1.1 to 2.2 litre
- In-line 3 and 4 cylinder
- Naturally aspirated

The 400 Series is a class-leading diesel range from Perkins - a significant evolution of the very successful compact engine family. Developed in conjunction with our customers, the 400 Series offers superior performance, with low emissions and low operating costs - all in a small efficient package.

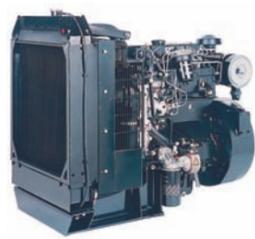
1100 Series 30 to 221.1 kVA



- 3.3, 4.4 and 6.6 litres
- In-line 3, 4 and 6 cylinder
- Naturally aspirated
- Turbocharged
- Turbocharged charge-cooled

1100 Series is a multi-generational product designed to provide an optimum range of power solutions for both emissions controlled and non-regulated territories.

1000 Series 93 to 165 kVA



- 6.0 litre
- In-line 6 cylinder
- Turbocharged
- Turbocharged charge-cooled

Perkins advanced combustion technology makes this family of engines highly productive and fuel efficient. In addition, class leadership on the SAE maintainability index - a widely accepted means of comparing the serviceability of engines - and service intervals of up to 500 hours further minimise operating costs.

1300 Series 189 to 275 kVA



- 8.7 litre
- In-line 6 cylinder
- Turbocharged
- Turbocharged charge-cooled

The 1300 Series range features 'full authority' electronic engine management coupled with Hydraulically actuated Electronic controlled Unit Injectors to provide quiet, clean, highly competitive power, with outstanding economy. This range also has the proven reliability of premium design features such as roller cam followers and wet liners building in low cost of ownership.

2200 Series 250 to 500 kVA



- 13 litre
- In-line 6 cylinder
- Turbocharged
- Turbocharged charge-cooled

Developed on the base of a proven industrial engine, this 13 litre turbocharged and charge cooled unit provides economic and reliable power at key modes in the industry. All engines in the family meet the requirements of EPA/EC Stage 2 emissions standards and are capable of meeting 1/2 TA Luft (1986) NO_x levels.

2500 Series 455 to 687 kVA



- 15 litre
- In-line 6 cylinder
- Turbocharged
- Turbocharged charge-cooled

The 2500 Series builds on the strengths of the already very successful 2000 Series family. Its premium features provide exceptional power-to-weight ratio resulting in exceptional fuel consumption. This engine offers power solutions to both emissions controlled and non-regulated territories.

2800 Series 591 to 750 kVA



- 18 litre
- In-line 6 cylinder
- Turbocharged
- Turbocharged charge-cooled

A well proven family of 6 cylinder in-line engines designed to address today's uncompromising demands within the power generation industry, with particular focus on the standby sector. Developed from a proven heavy-duty industrial base, the 2800 Series offers superior performance and reliability in economic operation with low exhaust emissions.

4000 Series 585 to 2264 kVA



- 23 to 61 litre
- In-line 6 and 8 cylinder
- Vee 12 and 16 cylinder
- Turbocharged
- Turbocharged charge-cooled

A unique piston and cylinder design, incorporating an individually operated unit fuel injector, gives the Perkins 4000 Series ultra-low fuel consumption and emissions. The gas powered engines available in this range received the Queens Award for Environmental Achievement.

Gen Set Power Selector Chart

Model offering for Unregulated Territories

2008 Issue 1

Model	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 (17.5kVA to 37.2 kVA)

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

1500 rev/min (9 kVA to 2264 kVA)

403D-11G	*	8.4	9.3	86	0.8	*	*	7.2	9	8	10	
403D-15G	*	12	13.3	87	0.8	*	*	10.4	13.1	11.6	14.5	
404D-22G	*	18.4	20.3	88	0.8	*	*	16.2	20.2	17.9	22.3	
404D-22TG	*	24.3	26.9	88	0.8	*	*	21.4	26.7	23.7	29.6	■
1103A-33G	*	27.7	30.4	87	0.8	*	*	24	30	26.4	33	■
1103A-33TG1	*	41.3	45.6	87	0.8	*	*	36	45	39.7	49.6	■
1103A-33TG2	*	53.8	59.3	89	0.8	*	*	48	60	52.8	66	■
1104A-44TG1	*	58.4	64.3	89	0.8	*	*	52	65	57.2	71.5	■
1104A-44TG2	*	71.9	79.1	89	0.8	*	*	64	80	70.4	88	■
1006TG1A	*	83	91.5	90	0.8	*	*	74.5	93	82.5	103	■
1006TG2A	*	91	100	90	0.8	*	*	82	102.5	90	112.5	■
1006TAG	*	121	133	90	0.8	*	*	109	136	120	150	■
1006TAG2	*	129.3	143	93	0.8	*	*	120.2	150	132	165	■
1106C-E66TAG4	*	158.8	175.9	93	0.8	*	*	147.7	184.6	163.6	204.5	■
1306C-E87TAG3	164	180	199	92	0.8	151	189	166	208	183	229	■
1306C-E87TAG4	179	198	217	92	0.8	165	205	182	228	200	250	■
1306C-E87TAG5	185	204	224	92	0.8	170	213	188	235	206	258	■
1306C-E87TAG6	198	218	239	92	0.8	182	228	200	250	220	275	■
2206A-E13TAG2	*	304	344	93	0.8	*	*	280	350	320	400	■
2206A-E13TAG3	*	344	387	93	0.8	*	*	320	400	360	450	■
2306A-E14TAG2	239	304	344	93	0.8	220	275	280	350	320	400	■
2306A-E14TAG3	261	344	387	93	0.8	240	300	320	400	360	450	■
2506A-E15TAG1	*	396	435	92	0.8	*	*	364	455	400	500	■
2506A-E15TAG2	*	435	478	92	0.8	*	*	400	500	440	550	■
2806A-E18TAG1A	*	516	568	93	0.8	*	*	480	600	528	660	■
2806A-E18TAG2	*	559	602	93	0.8	*	*	520	650	560	700	■
4006-23TAG2A	495	620	685	93	0.8	468	585	584	730	640	800	■
4006-23TAG3A	540	679	760	94	0.8	512	640	640	800	720	900	■
4008TAG	566	715	787	95	0.6	538	672	679	849	748	935	■
4008TAG1A	602	762	839	95	0.8	572	715	724	905	797	996	■
4008TAG2A	681	861	947	95	0.8	647	809	818	1022	900	1125	■
4012-46TWG2A	833	1055	1166	95	0.8	791	989	1002	1253	1108	1385	■
4012-46TWG3A	909	1149	1263	95	0.8	864	1080	1091	1364	1200	1500	■
4012-46TAG1A	909	1148	1263	95	0.8	864	1080	1091	1364	1200	1500	■
4012-46TAG2A	1005	1267	1395	95	0.8	955	1194	1204	1505	1325	1656	■
4016TWG2	1112	1406	1550	96	0.8	1068	1335	1350	1688	1488	1861	■
4012-46TAG3A	1196	1436	1579	95	0.8	1136	1420	1364	1705	1500	1875	■
4016TAG	1160	1460	1607	96	0.8	1114	1392	1402	1752	1543	1928	■
4016TAG1A	1219	1537	1690	96	0.8	1171	1463	1476	1844	1622	2028	■
4016TEG1†	1230	1538	1692	96	0.8	1181	1476	1476	1845	1624	2030	■
4016TEG2†	1366	1708	1879	96	0.8	1312	1640	1640	2050	1804	2255	■
4016TAG2A	1362	1715	1886	96	0.8	1307	1634	1646	2058	1811	2264	■

Gas Power 1500 rev/min (307 kWe to 1008 kWe)

4006-23TRS1†	322	-	-	95.4	1	307	307	-	-	-	-	
4006-23TRS2†	395	-	-	95.4	1	375	375	-	-	-	-	
4008-30TRS1†	447	-	-	95	1	425	425	-	-	-	-	
4008-30TRS2†	526	-	-	95	1	500	500	-	-	-	-	
4012TESI†	632	-	-	96	1	607	607	-	-	-	-	
4016TESI†	842	-	-	96.8	1	815	815	-	-	-	-	
4016-61TRS1	tbc	-	-	tbc	1	tbc	tbc	-	-	-	-	
4016-61TRS2	tbc	-	-	tbc	1	tbc	tbc	-	-	-	-	
4016-E61TRS	1042	-	-	96.8	1	1008	1008	-	-	-	-	

*Available on application † Gross power

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 ± 5%.
- Please Note: No overload is permitted on 4000 Series.
- **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 (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.

Gen Set Power Selector Chart

Model offering for Unregulated Territories

Model	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 1500 kWe)

403D-11G	*	10.3	11.4	87	0.8	*	*	9	11.2	9.9	12.4	
403D-15G	*	14.4	15.9	88	0.8	*	*	12.7	15.8	14	17.5	■
404D-22G	*	21.6	23.9	89	0.8	*	*	19.2	24	21.3	26.6	■
404D-22TG	*	28.7	31.8	89	0.8	*	*	25.5	31.9	28.3	35.4	■
404D-22TAG	*	31.6	34.9	90	0.8	*	*	28.4	35.6	31.4	39.3	■
1103A-33G	*	32.2	35.4	87	0.8	*	*	27.9	34.9	30.6	38.2	■
1103A-33TG1	*	48.9	53.9	87	0.8	*	*	42.5	53.1	46.9	58.7	■
1103A-33TG2	*	61.2	67.5	89	0.8	*	*	54.5	68.1	60.1	75.1	■
1104A-44TG1	*	68.6	75.5	89	0.8	*	*	60.8	76	66.9	83.6	■
1104A-44TG2	*	82	90.2	89	0.8	*	*	73	91.3	80.3	100.3	■
1006TG1A	*	96.5	106.5	90	0.8	*	*	87	109	96	120	■
1006TG2A	*	107	118	90	0.8	*	*	96.5	120.5	106	132.5	■
1006TAG	*	134	147	90	0.8	*	*	120.5	151	132.5	165.5	■
1106C-E66TAG2	*	136.6	153.6	92	0.8	*	*	125.7	157.1	141.3	176.6	■
1106C-E66TAG3	*	146.4	163.4	92	0.8	*	*	134.7	168.4	150.3	187.9	■
1106C-E66TAG4	*	173.7	192.3	92	0.8	*	*	159.8	199.8	176.9	221.1	■
1106D-E66TAG2	*	136.6	153.6	92	0.8	*	*	125.7	157.1	141.3	176.6	■
1106D-E66TAG3	*	146.4	163.4	92	0.8	*	*	134.7	168.4	150.3	187.9	■
1106D-E66TAG4	*	173.7	192.3	92	0.8	*	*	159.8	199.8	176.9	221.1	■
1306C-E87TAG3	182	201	220	92	0.8	167	209	185	231	202	253	■
1306C-E87TAG4	194	213	235	92	0.8	178	223	196	245	216	270	■
2206A-E13TAG5	*	348	376	93	0.8	*	*	320	400	350	438	■
2206A-E13TAG6	*	376	430	93	0.8	*	*	350	438	400	500	■
2306A-E14TAG2	272	348	376	93	0.8	250	313	320	400	350	438	■
2306A-E14TAG3	299	376	430	93	0.8	275	344	350	438	400	500	■
2506A-E15TAG3	*	446	490	92	0.8	*	*	410	513	450	563	■
2506A-E15TAG4	*	495	543	92	0.8	*	*	455	569	500	625	■
2506C-E15TAG4#	-	-	597	92	0.8	-	-	-	-	550	687	■
2806A-E18TAG1A	*	538	591	93	0.8	*	*	500	625	550	688	■
2806A-E18TAG3	*	586	645	93	0.8	*	*	545	681	600	750	■
4006-23TAG2A	510	640	715	94	0.8	480	600	600	750	675	844	■
4008TAG	556	704	776	95	0.8	528	660	669	836	737	921	■
4006-23TAG3A	570	715	795	94	0.8	540	675	675	844	750	938	■
4008TAG1	584	744	821	95	0.8	555	694	707	884	780	975	■
4008TAG2	659	838	924	95	0.8	626	783	796	995	878	1098	■
4012-46TWG2A	833	1055</										

Gen Set Power Selector Chart

EU2007 97/68/EC Certified Models

2008 Issue 1

Gen Set Power Selector Chart

EPA 40 CFR Part 89 Certified Models

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.
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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 ± 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 (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.



60Hz

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

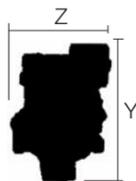
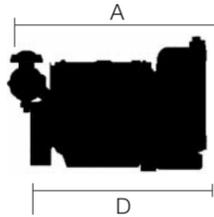
Notes:

- 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 ± 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 (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.

Technical Specifications

ElectropaK Dimensions

DIESEL Model	Length (A)	Height (B)	Width (C)	Length (D)	ElectropaK Dry Weight
403D-11G	776	700	449	-	129
403D-15G	820	791	476	-	197
404D-22G	915	840	477	-	242
404D-22TG	988	969	588	-	260
404D-22TAG	1073	997	700	-	300
1103A-33G	1029	951	629	912	412
1103A-33TG1/TG2	1049	951	634	928	420
1104A-44TG1/TG2	1241	951	629	1046	463
1103C-33G2/G3	1045	951	631	928	329
1103C-33TG2/TG3	1048.8	951	634	928	420
1104C-44TG2/TG3	1239	951	614.8	1045.7	401
1104D-44TG1	1238	967	637	TBA	TBA
1104C-44TAG1/TAG2	1259	966	721	1121	401
1006TG1A	1559	112.4	709	1378	542
1006TG2A	1559	1124	709	1378	586
1006TAG	1685	1065	773	1450	586
1006TAG2	1685	1065	773	1450	586
1104D-E44TG1	1281	940	708	TBA	TBA
1104D-E44TAG1/TAG2	1357.7	1090.7	749.6	1067.7	465
1106C-E66TAG2/TAG3	1728.3	1140.4	779.8	1413.8	788
1106C-E66TAG4	1763.2	1140.4	788.3	1421	788
1106D-E66TAG2/TAG3	1728.3	1140.4	779.8	1413.8	788
1106D-E66TAG4	1763.2	1140.4	788.3	1421	788
1306C-E87TAG3/TAG4/TAG5/TAG6	1822	1369	875	1539	895
2206A-E13TAG2/TAG3/TAG5/TAG6	2440	1617	1120	TBA	TBA
2206C-E13TAG2/TAG3	2440	1617	1120	TBA	TBA
2206D-E13TAG2/TAG3	2440	1617	1120	TBA	TBA
2306A-E14TAG2/TAG3	2422	1614	1107	2029	1690
2306C-E14TAG2/TAG3	2422	1614	1107	2029	1690
2506A-E15TAG1/TAG2/TAG3/TAG4	2657	1718	1120	TBA	1633
2506C-E15TAG1/TAG2/TAG3/TAG4	2657	1718	1120	TBA	1633
2506D-E15TAG1	2657	1718	1120	TBA	1633
2806A-E18TAG1A/TAG2/TAG3	2545	1807.5	1536	2050	2050
2806C-E18TAG1A/TAG3	2545	1807.5	1536	2050	2050
4006-23TAG2A/TAG3A	3027	1964	1706	2414	2524
4008TAG	3780	2193	1630	3129	3730
4008TAG1/TAG2	3935	2258	1870	3281	4360
4008TAG1A/TAG2A	3852	2067	2046	2921	4270
4008TWG2	2890	1772	1585	2201	3350
4012-46TAG1A/TAG2A/TAG3A	3971	2260	2192	3339	4400
4012-46TWG2A/TWG3A/TWG4A	3924	2267	2192	2930	5540
4016TWG2	4510	3149	2775	3872	8240
4016TAG	4460	2749	2245	3827	6900
4016TAG1A/TAG2A	4460	3239	2775	3827	8010
4016TEG1/TEG2	3450	2115	1410	2812	6000



Engine Dimensions

GAS Model	Length (X)	Height (Y)	Width (Z)	Engine Dry Weight
4006-23TRS1/TRS2	2242	1787	1633	1650
4008-30TRS1/TRS2	2658	1782	1633	3350
4012TESI	2650	1860	1895	4680
4016TESI	3195	2118	1895	5820
4016-E61TRS	3482	2070	1485	5600

All dimensions are given in mm. All weights are given in kg. Data is approximate only. Perkins reserves the right to change without prior notice.

Emissions Regulations

Perkins can supply engines for power generation applications which satisfy the requirements of TA Luft, 1/2 TA Luft regulations and US EPA and EU off-highway legislation.

Please contact your local Perkins representative for information on specific engine ratings.

Notes:

- 2500 Series baseload ratings are still in development. Please contact your local Perkins representative for availability.
- 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.
- Gas powered engine ratings are obtained using natural Gas – LHV (low heat value) 34.71 MJ/m³ (930Btu/ft³).
- ESP Only (Emergency Standby Power Only) = Power available in the event of a main power network failure, up to a 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.

Global Product Support

Wherever it is required in the world, Perkins product support is designed to keep a Perkins engine running. We recognise the importance of maximising engine productivity to fulfil our customer's needs, hence our goal to be the world leader in global product support for engines.

Our network are the engine experts when it comes to the full Perkins range. Perkins trained distributors have TIPSS (The Integrated Product Support Solution) suite of web enabled tools at their fingertips, providing them with the very latest, up-to-date real time information. So whether it's for parts identification and ordering, engine fault diagnosis or technical information, the Perkins distributor can complete the job to Perkins stringent standards, first time, worldwide.

From cradle to grave, Perkins has the solutions to meet customer needs. From standard maintenance, to comprehensive repair or complete overhaul, a cost effective solution is available whatever the age or condition of the Perkins engine. Perkins OE specification parts also come with a 12 month warranty, providing the best quality at the lowest possible cost.

Fully dedicated to looking for innovative solutions to industry issues, Perkins is working hard to ensure continuity of component supply. The exchange range offers remanufactured parts, giving good as new quality parts, from reworked core. A sustainable proposition, at the right price and all this with a reduced impact on the environment.

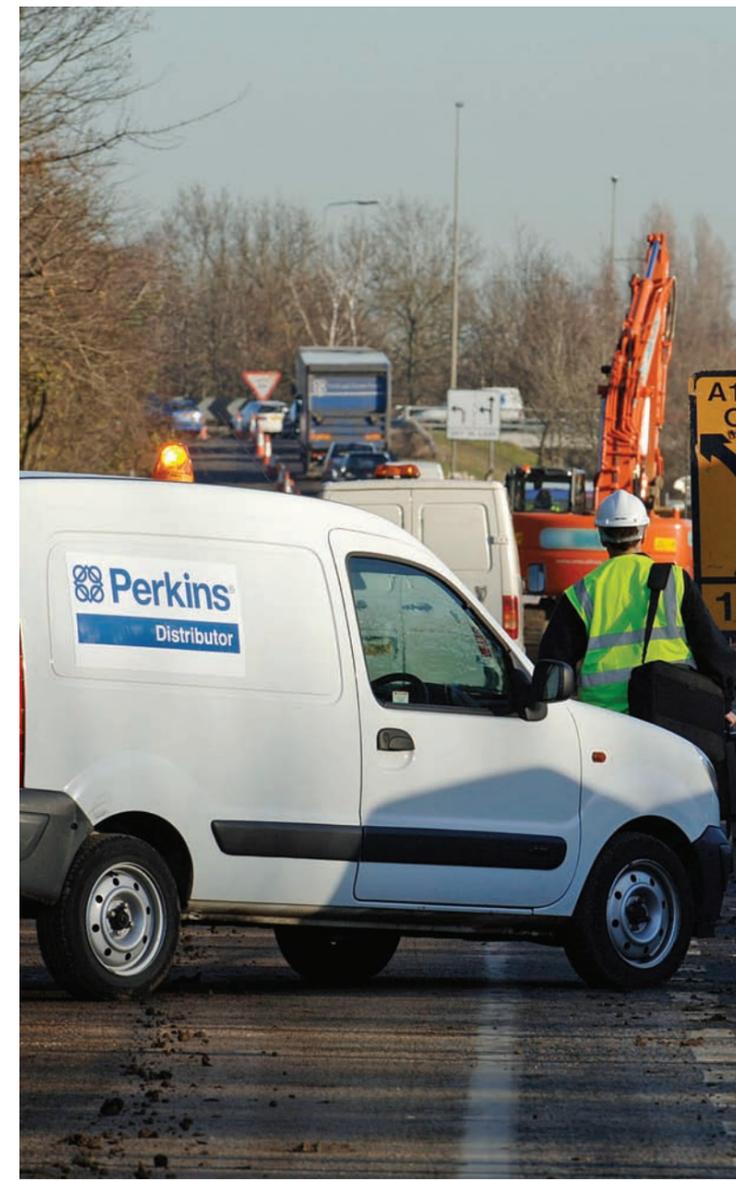


Perkins global product support is designed to enhance the customer experience of owning a Perkins powered machine. We deliver this through the quality of our distribution network, extensive global coverage and a range of Perkins supported OEM partnership options. So whether you are an end-user or an equipment manufacturer our engine expertise is essential to your success.



ESC

To give complete peace of mind to the machinery user, Perkins also offer Extended Service Contracts that take the worry out of engine ownership. Flexible coverage can be taken out for up to 8,000 hours of engine service, giving total protection against unexpected repair costs.



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