

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 11.2 to 2263 kVA (9 to 1811 kW) 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.



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



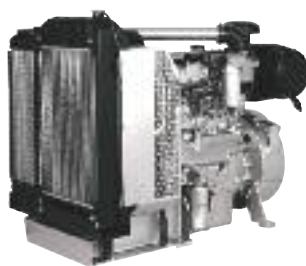
400 Series 11.2 to 39.3 kVA



- 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 219 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 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 350 to 500 kVA



- 13 litre
- In-line 6 cylinder
- 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 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 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 2263 kVA



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

EU2007 97/68/EC Certified Models

2009 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)

| Model | EU Emissions Level | Baseload kWm | Prime kWm | Standby kWm | Typical Generator Efficiency % | Typical Power Factor | Baseload kWe | Baseload kVA | Prime kWe | Prime kVA | Standby kWe | Standby kVA |
|----------|--------------------|--------------|-----------|-------------|--------------------------------|----------------------|--------------|--------------|-----------|-----------|-------------|-------------|
| 403D-11G | Stage 2 | * | 16.1 | 17.9 | 86 | 0.8 | * | * | 14.0 | 17.5 | 15.6 | 19.5 |
| 403D-15G | Stage 2 | * | 20.7 | 22.9 | 87 | 0.8 | * | * | 18.0 | 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 kVA to 650 kVA)

| Model | EU Emissions Level | Baseload kWm | Prime kWm | Standby kWm | Typical Generator Efficiency % | Typical Power Factor | Baseload kWe | Baseload kVA | Prime kWe | Prime kVA | Standby kWe | Standby kVA |
|----------------|--------------------|--------------|-----------|-------------|--------------------------------|----------------------|--------------|--------------|-----------|-----------|-------------|-------------|
| 404D-22G | Stage 2 | * | 18.4 | 20.3 | 88 | 0.8 | * | * | 16.0 | 20.0 | 17.7 | 22.1 |
| 404D-22TG | Stage 2 | * | 24.5 | 27.0 | 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 | 46.0 | 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 | 218 | 239 | 92 | 0.8 | 182 | 228 | 200 | 250 | 220 | 275 |
| 2206C-E13TAG2 | Stage 2 | * | 305 | 349 | 93 | 0.8 | * | * | 280 | 350 | 320 | 400 |
| 2206C-E13TAG3 | Stage 2 | * | 349 | 392 | 93 | 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

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)

| Model | EPA Emissions Level | Baseload kWm | Prime kWm | Standby kWm | Typical Generator Efficiency % | Typical Power Factor | Baseload kWe | Baseload kVA | Prime kWe | Prime kVA | Standby kWe | Standby kVA |
|----------------|---------------------|--------------|-----------|-------------|--------------------------------|----------------------|--------------|--------------|-----------|-----------|-------------|-------------|
| 403D-11G | Tier 4 | * | 10.3 | 11.4 | 87 | 0.8 | * | * | 9.0 | 11.2 | 9.9 | 12.4 |
| 403D-15G | Tier 4 | * | 14.4 | 15.9 | 88 | 0.8 | * | * | 12.7 | 15.8 | 14.0 | 17.5 |
| 404D-22G | Interim Tier 4 | * | 21.6 | 23.9 | 89 | 0.8 | * | * | 19.2 | 24.0 | 21.3 | 26.6 |
| 404D-22TG | Interim Tier 4 | * | 29.6 | 32.6 | 89 | 0.8 | * | * | 25.5 | 31.9 | 28.3 | 35.4 |
| 404D-22TAG | Interim Tier 4 | * | 32.4 | 35.7 | 90 | 0.8 | * | * | 28.4 | 35.6 | 31.4 | 39.3 |
| 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 | 143.0 | 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 | * | * | 156.0 | 200.0 | 175.0 | 219.0 |
| 2206D-E13TAG2 | Tier 3 | * | 349 | 381 | 93 | 0.8 | * | * | 320 | 400 | 350 | 438 |
| 2206D-E13TAG3 | Tier 3 | * | 381 | 435 | 93 | 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 |

*Available on application # Emergency Standby Power only

- 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.
- **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.

Product Support Excellence

In the modern, global marketplace, Perkins recognises it is not enough to be a manufacturing company with a quality product. It is also about creating relationships and building trust, and getting to know the specific needs of our customers.

Our customers expect quick, proactive responses to their requirements. Perkins understands that these requirements are different, according to each specific customer. Product Support Excellence is a key element in delivering a consistent, high quality response and a fundamental part of the total Perkins power solution.

Our global network is the strength and presence of Perkins Product Support. It forms the foundation of the enduring, quality relationships we have with our customers and delivers the promise we have made.

Our product support promise to keep Perkins' engines running, wherever they are located in the world, is a reality. To ensure we keep this promise, our investment in the skills and training of our people is constant. Perkins Regional Training Centres set the high standards required of our engine experts to meet the challenges of new technology and the commitment of quality service to our customers.



Our Product Support Excellence has one purpose - to give our customers peace of mind that our engines will keep their equipment running. So, whatever the age or condition of a Perkins engine, wherever it is, and whether it needs standard maintenance, complete overhaul or comprehensive repair, we have the people with the expertise and tools to do the job - so our customers' equipment can do theirs.

The cornerstones of our Product Support Excellence are:

- Global Distributor/Dealer Network - our customers' portal to quality service and support
- Parts Distribution - genuine parts to extend engine life and performance
- Service Excellence - on-line information and tools; TIPSS (The Integrated Product Support Solution) - providing the very latest diagnostic and technical information
- Service Solutions - Power Exchange Components - a sustainable, cost effective, high quality service solution

Retaining our position as a market leader is proof that we listen to our customers and focus on their needs. It is this commitment that differentiates Perkins from our competitors and enables us to meet and exceed our customers expectations.

Global Network

Worldwide Service Support

Over 75 Years Experience

- 132 distributors
- 184 countries
- Technical support
- Warranty support



Service Excellence

Distributor/Dealer Service Standards

- Product Training – skilled on the latest technology
- Required Tooling – electronic and speciality tools for fast, high quality repair
- Information Systems – on-line access for up to date technical data
- Parts in stock – critical parts on the shelf to minimise down time



Parts Distribution

Global Parts Network

- Genuine Parts – designed specifically for your engine
- High availability – over 40,000 parts in stock
- On-line Parts information – ensures the correct part
- Direct Ship – next day delivery for most of Europe



Service Solutions

Lower Owning and Operating Cost

- Power Exchange Components – a sustainable solution
 - Remanufactured to like new specification
 - Typically 60 to 70% the price of a new component
- Extended Service Contracts – added protection for your engine



Related Literature

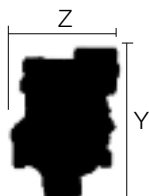
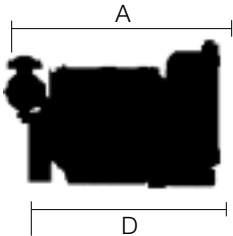


Product Support excellence is all about commitment to our customers; giving them the assurance that we understand their specific needs, and that our engines will keep their equipment running

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 | - | 474 |
| 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 | - | 483 |
| 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 | 2410 | 1725 | 1120 | - | 1478 |
| 2206C-E13TAG2/TAG3 | 2410 | 1725 | 1120 | - | 1478 |
| 2206D-E13TAG2/TAG3 | 2410 | 1725 | 1120 | - | 1478 |
| 2306A-E14TAG2/TAG3 | 2422 | 1614 | 1107 | 2029 | 1690 |
| 2306C-E14TAG2/TAG3 | 2422 | 1614 | 1107 | 2029 | 1690 |
| 2506A-E15TAG1/TAG2/TAG3/TAG4 | 2657 | 1718 | 1120 | - | 1633 |
| 2506C-E15TAG1/TAG2/TAG3/TAG4 | 2657 | 1718 | 1120 | - | 1633 |
| 2506D-E15TAG1 | 2657 | 1718 | 1120 | - | 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 | 3714 | 2255 | 1978 | 2930 | 5283 |
| 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 |
| 4016-61TRS/TRS2 (electrunit) | 3192 | 1969 | 1737 | 5820 |

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 (please refer to the engine Technical Data Sheet 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.
- 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 70% of the Emergency Standby Power rating. No Overload is permitted.

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