

2406J-E13TAG3 Electric Power Engines

Power range 1500 rpm 398 kW (engine gross power)

Power range 1800 rpm 426 kW (engine gross power)

Emissions EU Stage V/U.S. EPA Tier 4 Final

The Perkins® 2000 Series is a family of well-proven 6 cylinder 13, 15, and 18 litre diesel engines, designed to address today's uncompromising demands within the power generation industry.

The 2000 Series is engineered to provide outstanding performance and maximise competitive advantage for our customers.

Developed on a latest generation 12.5 litre core, the 2406 offers greater capability and more flexibility to our customers from a simple plug and play product.

Features and benefits

- **Maximised productivity** by achieving key power nodes with clean rapid starting whilst delivering impressive steady state and transient response. Options between EU Stage V certified products for the EU mobile generator set market and U.S. EPA Tier 4 Final certified products for the U.S. mobile generator set market provides flexibility for our customers and tailored to their needs.
- **Exceptional power density** enables standardisation across numerous applications providing ease of integration and service accessibility. Better packaging options ship loose or engine mounted aftertreatment. Simplified aftertreatment solution compatible with switchable Stage V and Tier 4 Final solution.
- The 2000 Series offers **optimised fuel consumption** and **low oil consumption** whilst meeting the Stage V and Tier 4 Final emissions standards; all delivered from a proven reliable core engine delivering low daily operating costs.
- Perkins engines are designed and developed with our customers in mind. Keeping service cost to a minimum enables **low periodic running costs**. This is achieved through 500 hour service intervals for oil and fuel as standard under all operating conditions.
- The **long productive life** of our products is supported through the Perkins 12 month warranty as standard for prime power applications, and the 1500 hour or two year emissions warranty. For further peace of mind, there is also the option to extend the warranty period through **Perkins® Platinum Protection**. Contact your local distributor or visit www.perkins.com/platinumprotection.
- Engines are produced using the Caterpillar Production System established in all Perkins manufacturing operations, achieving the same **efficient processes** and **stringent quality controls** at every global facility.

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Specification

	Model
	2406J-E13TAG3
Configuration	ElectropaK
Cylinders	6 vertical in-line
Displacement, litres (in ³)	12.5 (762.8)
Aspiration	Turbocharged aftercooled
Bore and stroke, mm (in)	130 x 157 (5.1 x 6.2)
Combustion system	Direct injection
Compression ratio	15.8
Exhaust aftertreatment	DOC/DPF/SCR/AMOX+DEF system
Rotation (viewed from flywheel)	Anti-clockwise, viewed on flywheel
Total lubricating oil capacity, litres (US gal)	34-41 (9-11)
Cooling system	Liquid
Total coolant capacity, litres (US gal)	63 (16.6)

Technical information

Model	Speed rpm	Type of Operation	Engine Power		Typical Generator Output* (Net)		Prime Fuel Consumption			
			Gross	Net			110%	100%	75%	50%
			kW (hp)	kW (hp)	kVA	kWe	g/kWh	g/kWh	g/kWh	g/kWh
2406J-E13TAG3	1500	Prime	362 (485)	348 (467)	410	328	203	198	199	208
		Standby	398 (534)	384 (516)	452	362				
	1800	Prime	387 (519)	364 (488)	428	342	208	212	207	212
		Standby	426 (571)	403 (540)	474	379				

*Generator powers are typical and based on typical alternator efficiencies and a power factor (cos θ) or 0.8.

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Standard equipment

	Model
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Electro unit or ElectropaK	Electro unit
Radiator fitted	✓
Fuel filter, engine mounted	✓
Water separator	N/A
Fuel priming pump (manual/electric)	Manual
Fuel cooler (not required for most installations)	N/A
Air filter, engine mounted	✓
Engine ECM, engine mounted	✓
Wiring harness to ECM	✓
Wiring harness (all connectors to single customer interface)	✓
Starter motor	✓
Battery charging alternator	✓
Flywheel housing	✓
Flywheel	✓
Fan	✓
Fan guard	✓
Temperature and oil pressure for automatic stop/alarm configurable	✓

Aftertreatment

	Model
	2406J-E13TAG3
Aftertreatment configuration	Engine Mounted Aftertreatment (EMAT) or ship loose
Aftertreatment type	DOC/DPF/SCR/AMOX+DEF system
Exhaust flexible pipe (engine to aftertreatment)	127 mm half marmon
DEF tank	Standard fill (70 litres or 93 litres options available)
Heated DEF lines	Yes

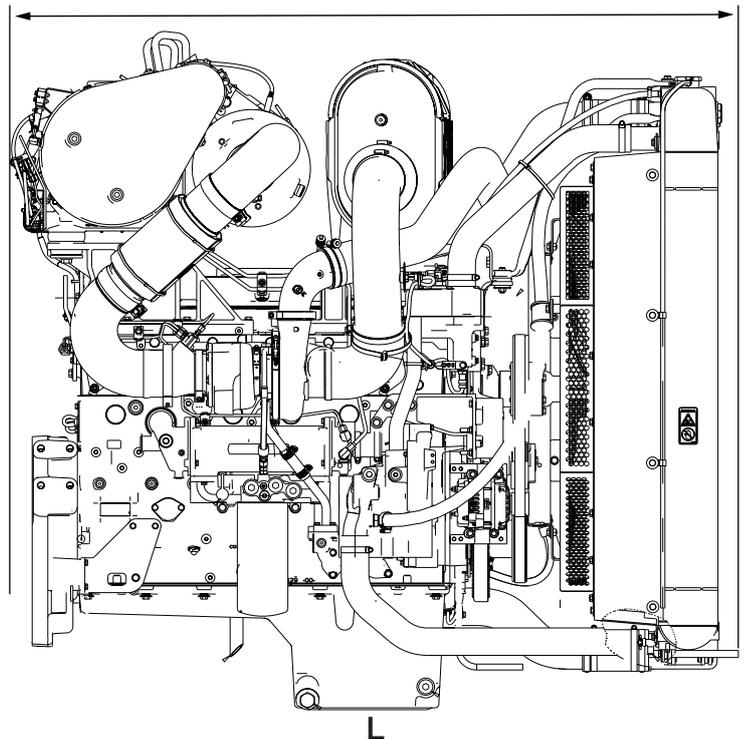
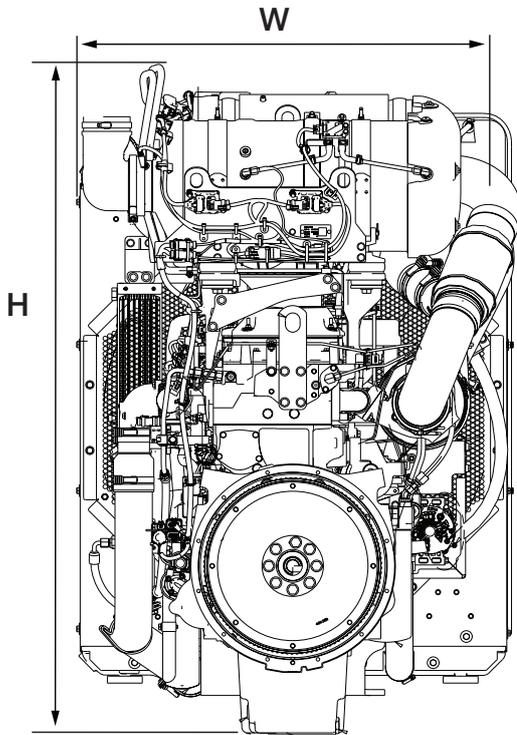
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Engine package weights and dimensions



	Model
	2406J-E13TAG3
Configuration	ElectropaK
Dimensions, H x L x W, mm (in)	1837 x 1957 x 1207 (72 x 77 x 47)
Dry weight, kg (lb)	1895 (4178)

Prime power: Power available at variable load in lieu of a main power network. Overload of 10% is permitted for one hour in every 12 hours of operation.

Standby (maximum): Power available at variable load in the event of a main power network failure. No overload is permitted.