

1206J-E70TTAG Electric Power Engines

Power Range 1500 rpm 200 kWm (engine gross power)

Power Range 1800 rpm 184-239 kWm (engine gross power)

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

Building on its already strong 1200 Series U.S. EPA Tier 4 Final electric power range, Perkins is pleased to announce the addition of the 1206J ElectropaK which meets both EU Stage V and Tier 4 Final emissions standards.

The whole engine has been built around the demands of our customers and as such offers a great package with a simple integration design. Perkins has developed a reputation for designing and building reliable and durable engines suitable for the most demanding applications.



Features and benefits

- Exceptional **power density** enables standardisation across numerous applications. Multiple installation options minimise total package size. Ideal for equipment with narrow engine compartments
- **Fuel and DEF consumption optimised** to match Genset operating cycles which lowers operating costs
- Hydraulic tappets, multi-vee belts, service-free aftertreatment and 500 hour oil change intervals enable **low-cost maintenance**. Perkins also offers peace of mind with up to ten years extended warranty via Perkins® Platinum Protection.
Discover more: www.perkins.com/platinumprotection
- Perkins recognise that the customer relationship is important to machine manufacturers and we can offer a range of **flexible solutions** to help provide appropriate **support**, either to the OEM's network or directly to the machine customer. Perkins information systems enable our distributors to quickly diagnose engine faults and identify the right parts. The Perkins logistics operation is able to dispatch more than 45,000 different parts from stock, reaching the customer within 24 hours.
To find your local distributor: www.perkins.com/distributor
- **World-class manufacturing** capability and processes coupled with proven core engine designs assure reliability, quiet operation, and many hours of productive life.

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Specification

	Model	
	1206J-E70TTAG3	1206J-E70TTAG4
Configuration	ElectroPaK	
Cylinders	6	
Displacement, litres (in ³)	7.01 (427.7)	
Aspiration	Series turbocharged and air-to-air chargecooled	
Bore and stroke, mm (in)	105 x 135 (4.13 x 5.30)	
Combustion system	Direct injection	
Compression ratio	16.5:1	
Exhaust aftertreatment	DOC/DPF/SCR	
Rotation (viewed from flywheel)	Anti-clockwise	
Total lubricating oil capacity, litres (US gal)	13-16 (3.4-4.2)	
Cooling system	Liquid	
Total coolant capacity, litres (US gal)	32.3 (8.5)	

Technical information

Model	Speed rpm	Type of Operation	Engine Power		Typical Generator Output* (Net)		Prime Fuel Consumption			
			Gross	Net			110%	100%	75%	50%
			kWm (hp)	kWm (hp)	kVA	kWe	g/kWh	g/kWh	g/kWh	g/kWh
1206J-E70TTAG3	1500	Prime	182 (244)	174 (234)	200	160	210	203	202	207
		Standby	200 (268)	193 (258)	220	176				
	1800	Prime	167 (224)	158 (212)	169	135	207	209	211	221
		Standby	184 (247)	175 (235)	186	149				
1206J-E70TTAG4	1800	Prime	217 (290)	208 (279)	225	180	222	213	209	214
		Standby	239 (320)	229 (307)	250	200				

*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	
	1206J-E70TTAG3	1206J-E70TTAG4
Electro unit or electropaK	ElectropaK	ElectropaK
Radiator fitted	✓	✓
Fuel filter, engine mounted	✓	✓
Water separator	✓	✓
Fuel priming pump (manual/electric)	Electric	Electric
Fuel cooler (not required for most installations)	✓	✓
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	
	1206J-E70TTAG3	1206J-E70TTAG4
Aftertreatment configuration	Engine Mounted Aftertreatment (EMAT)	
Aftertreatment type	DOC/DPF/SCR	
Exhaust flexible pipe (engine to aftertreatment)	✓	✓
DEF tank	✓	✓
Heated DEF lines	✓	✓

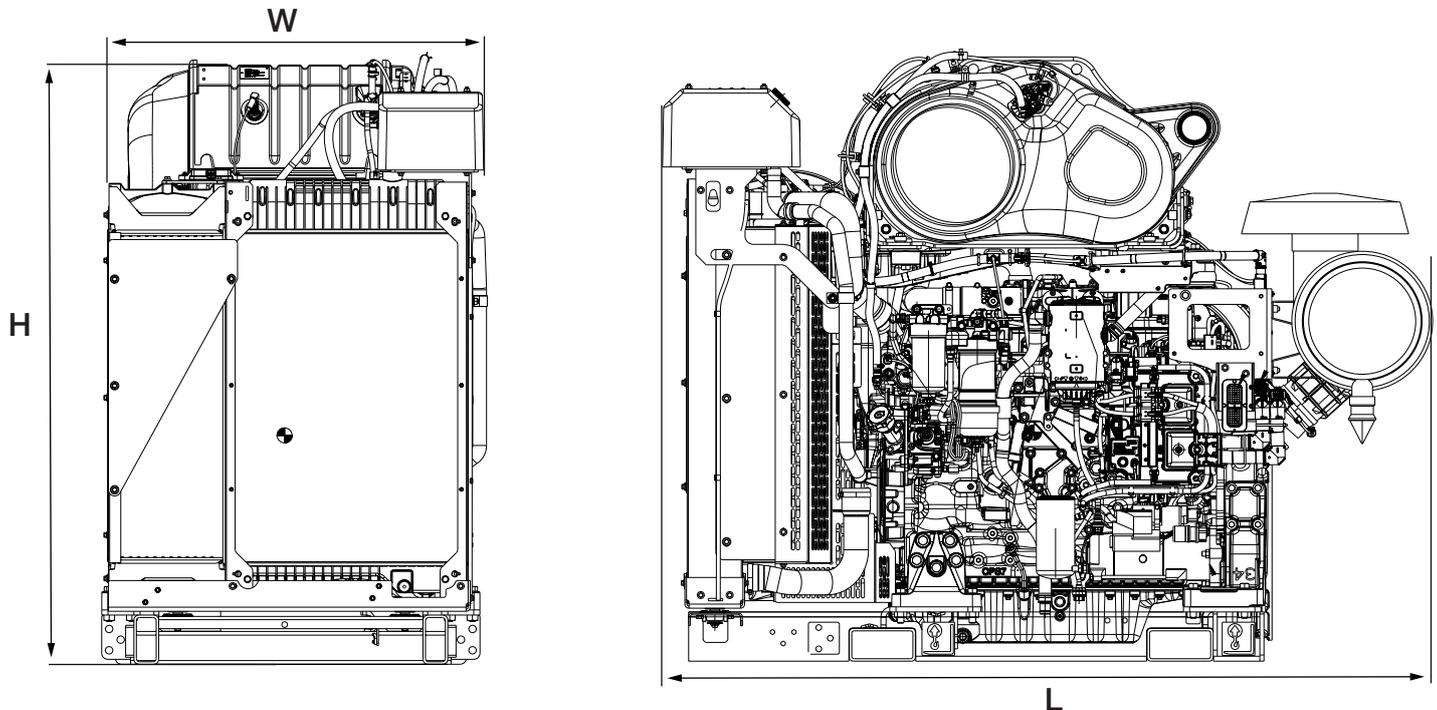
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Engine package weights and dimensions



	Model	
	1206J-E70TTAG3	1206J-E70TTAG4
Configuration	ElectropaK	
Dimensions, H x L x W, mm (in)	1487 x 1864 x 934 (58.5 x 73.4 x 36.8)	
Dry weight, kg (lb)	1169.4 (2578.5)	

Prime power: Power available at variable load in lieu of a main power network. Overload of 10% is permitted for 1 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.