

# 1204J-E44TTAG2 Electric Power Engines

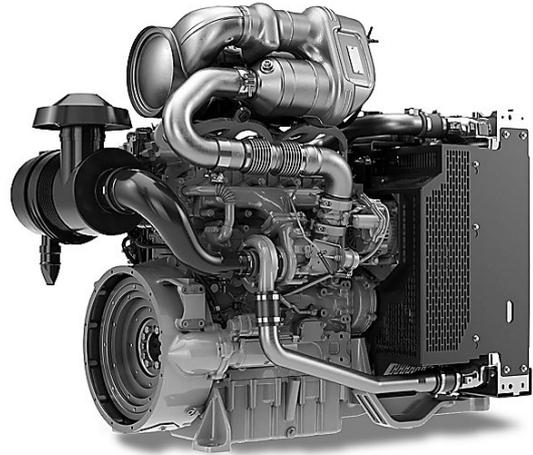
**Power Range 1500 rpm 125 kWm** (engine gross power)

**Power Range 1800 rpm 129 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 1204J 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 generating set 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](http://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](http://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
	1204J-E44TTAG2
Configuration	Electropak
Cylinders	4
Displacement, litres (in <sup>3</sup> )	4.4 (268.5)
Aspiration	Series turbocharged and air-to-air chargecooled
Bore and stroke, mm (in)	105 x 127 (4.13 x 5)
Combustion system	Direct injection
Compression ratio	16.5
Exhaust aftertreatment	DOC/DPF/SCR
Rotation (viewed from flywheel)	Anticlockwise
Total lubricating oil capacity, litres (US gal)	6.0-7.0 (1.6-1.9)
Cooling system	Liquid
Total coolant capacity, litres (US gal)	19.5 (5.15)

## Technical information

Model	Speed	Type of Operation	Engine Power		Typical Generator Output* (Net)		Prime Fuel Consumption			
			Gross	Net			110%	100%	75%	50%
	rpm		kWm (hp)	kWm (hp)	kVA	kWe	g/kWh	g/kWh	g/kWh	g/kWh
1204J-E44TTAG2	1500	Prime	114	109	120	96	202	202	201	206
		Standby	125	120	132	106				
	1800	Prime	117	110	114	91	204	203	205	216
		Standby	129	122	125	100				

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

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## Standard equipment

	Model
	1204J-E44TTAG2
Electro unit or electropaK	ElectropaK
Radiator fitted	✓
Fuel filter, engine mounted	✓
Water separator	✓
Fuel priming pump (manual/electric)	Electric
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
	1204J-E44TTAG2
Aftertreatment configuration	Engine Mounted Aftertreatment (EMAT)
Aftertreatment type	DOC/DPF/SCR
Exhaust flexible pipe (engine to aftertreatment)	✓
DEF tank	✓
Heated DEF lines	✓

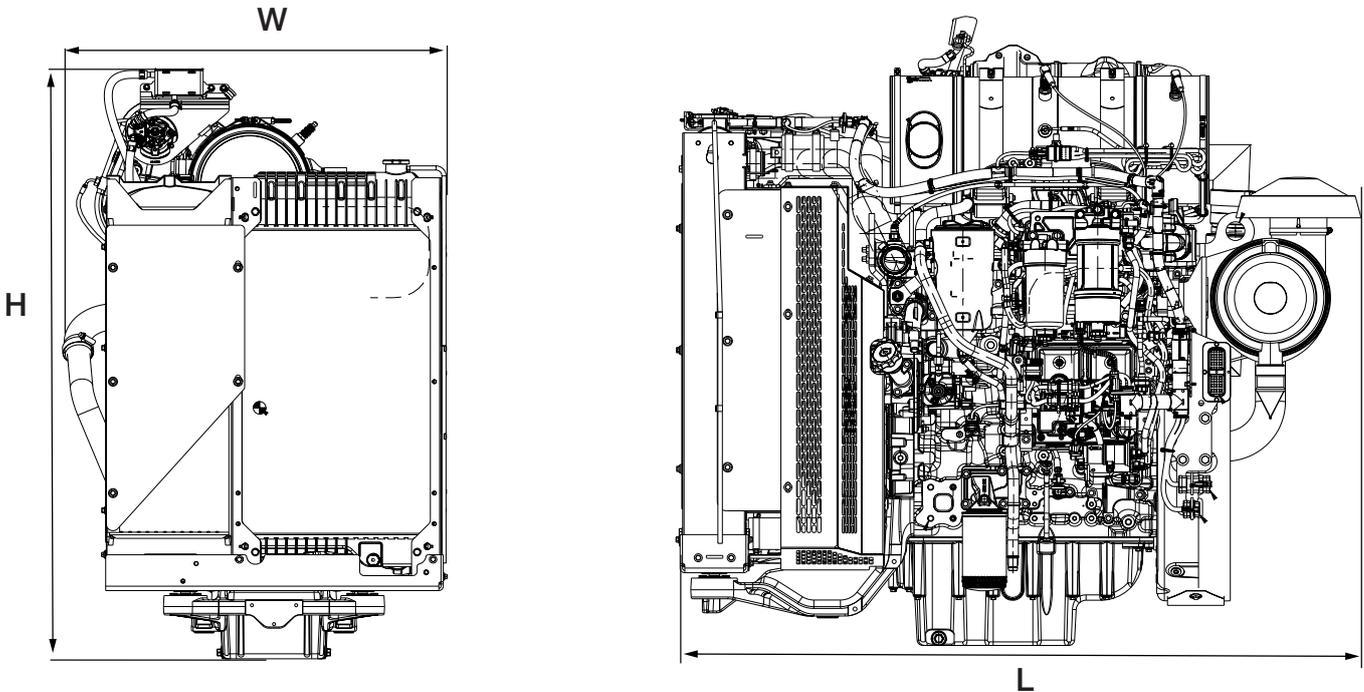
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## Engine package weights and dimensions



	Model
	1204J-E44TTAG2
Configuration	ElectropaK
Dimensions, H x L x W, mm (in)	1345 x 1452 x 869 (53 x 57 x 34)
Dry weight, kg (lb)	692 (1526)

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.