

404J-E22TAG

Power range 1500 rpm

38.1-41.9 kW (engine gross power)

Power range 1800 rpm

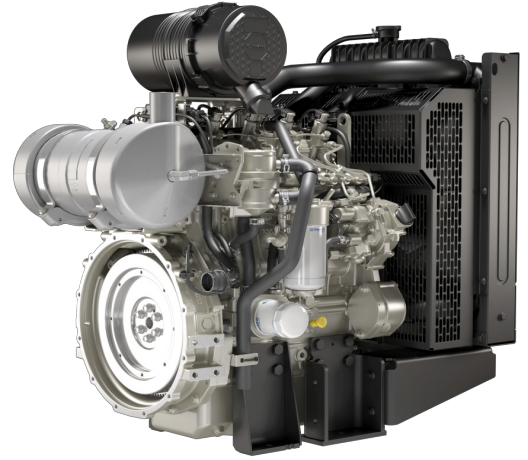
45.1-49.6 kW (engine gross power)

Emissions

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

Building on its already strong 400 Series electric power range, Perkins is pleased to announce the addition of the 404J-E22TAG ElectropaK to complement the range which meets both EU Stage V and U.S. EPA Tier 4 Final emission standards.

The whole ElectropaK has been built around the demands of our customers in higher regulated territories and as such offers a great package with a simple integration design as well as excellent performance and reliability.



Features and benefits

- **Maximised productivity** by achieving key power nodes with ISO 8528-5 Class G3 load acceptance. ElectropaK certified for EU Stage V and U.S. EPA Tier 4 Final for the mobile generator set industry, it offers flexibility for our customers tailored to their needs.
- Our ElectropaK is designed to provide **ease of integration and service accessibility** within customer generating set packaging. Engine mounted aftertreatment solution from factory with service free DPF, bespoke wiring harness to allow simple hookup to the generating set wiring loom has also been included as standard. The fuel filter with water in fuel sensor has also been mounted to the ElectropaK to make the low-pressure fuel system installation quick and simple.
- The 404J-E22TAG offers optimised fuel consumption and low oil consumption whilst meeting the Stage V and Tier 4 Final emission standards; all delivered from a proven reliable core engine delivering **low daily operating costs**.
- Perkins engines are designed and developed with our customer in mind. Keeping service cost to a minimum ensures **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 standard 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
	404J-E22TAG
Configuration	ElectropaK
Cylinders	4
Displacement, litres (in ³)	2.2 (135)
Aspiration	Turbocharged aftercooled
Bore and stroke, mm (in)	84 × 100 (3.3 × 3.9)
Combustion system	Direct injection
Compression ratio	17:1
Exhaust aftertreatment	DOC/DPF
Rotation (viewed from flywheel)	Anti-clockwise
Total lubricating oil capacity, litres (US gal)	6.9-8.2 (1.8-2.2)
Cooling system	Liquid
Total coolant capacity, litres (US gal)	8.2 (2.2)

Technical Information

Model	Speed	Type of operation	Engine Power		Typical Generator Output* (Net)		Prime Fuel Consumption			
			Gross	Net			110%	100%	75%	50%
	rpm		kW (hp)	kW (hp)	kVA	kWe	g/kWh	g/kWh	g/kWh	g/kWh
404J-E22TAG	1500	Prime	38.1 (51.1)	37.5 (50.3)	40	32	207	208	212	216
		Standby	41.9 (56.2)	41.3 (55.4)	44	35				
	1800	Prime	45.1 (60.5)	43.3 (58.1)	45	36	213	212	212	220
		Standby	49.6 (66.5)	47.8 (64.1)	50	40				

*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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Electrounit or ElectropaK	ElectropaK
Radiator fitted	✓
Fuel filter, mounted	✓
Water separator	✓
Fuel priming pump	Electric
Fuel cooler	N/A
Air filter, engine mounted	✓
Engine ECM	Chassis 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
	404J-E22TAG
Aftertreatment configuration	Engine Mounted Aftertreatment (EMAT)
Aftertreatment type	DOC/DPF
Exhaust flexible pipe (engine to aftertreatment)	Fitted
DEF tank	N/A
Heated DEF lines	N/A

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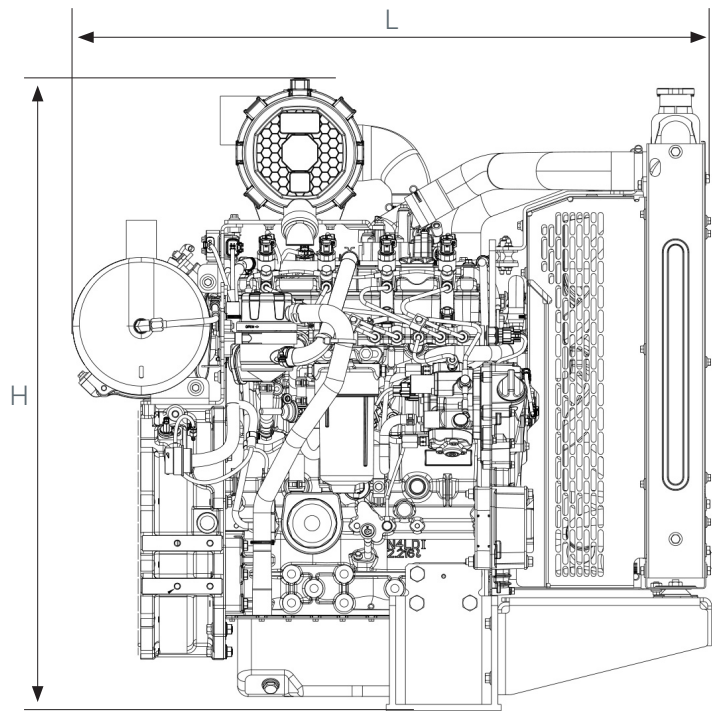
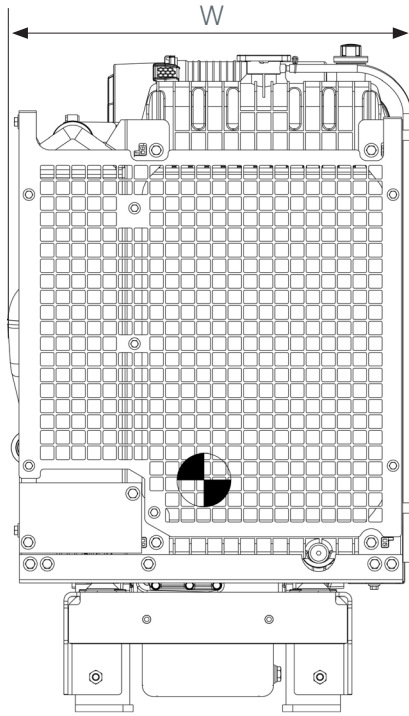
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Engine Package Weights and Dimensions



	Model
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Configuration	ElectropaK
Dimensions, H x L x W, mm (in)	985 x 992 x 602 (38.8 x 39.1 x 23.7)
Dry weight, kg (lb)	327 (721)

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.