

404J Electric Power Engine

Power range 1500 rpm 18.9 kWm (engine gross power)

Power range 1800 rpm N/A

Emissions EU Stage V

Certified against the requirements of EU Stage V (Regulation 2016/1628)

The Perkins® 400 Series engine family continues to set new standards in the compact engine market. Developed alongside customers to fulfil their needs in the generator set market, the 404J-22 has been designed to comply with stringent emissions regulations for EU.

The 404 Product range offers a highly compact Perkins electropaKs to provide robust 4 cylinder diesel engines designed to provide economic and durable operation for prime power applications, hitting the key power node required by the power generation industry.



Features and Benefits

- **Maximised productivity** by achieving clean and rapid starting in all conditions whilst delivering impressive steady state and transient response. Stage V certified for the EU mobile genset market ensure flexibility for our customers tailored to their needs.
- The 404J-22G engine offers a compact engine that is simple to run under all conditions and easy to maintain. Some features include spin-on filters and cassette-type fuel injection pumps for **ease of integration and service accessibility**.
- The 404J-22G mechanical engine range offers optimised fuel consumption and low oil consumption whilst meeting the EU Stage V emissions standards; all delivered from a reliable mechanical engine to **minimise cost of ownership**.
- 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 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 purchase Extended Service Contracts through **Perkins Platinum Protection**. Contact your local distributor or visit www.perkins.com/en_GB/aftermarket/perkins-platinum-protection.
- Perkins takes pride in manufacturing all products globally to the same **high quality standard**. All of our products are manufactured in world-class facilities to ensure highest quality for your peace of mind.

Photographs are for illustrative purposes only and may not reflect final specification. All information in this document is substantially correct at time of printing and may be altered subsequently. Final weight and dimensions will depend on completed specification. Information subject to selected configuration, and subject to change without notice.

404J Electric Power Engine

Power range 1500 rpm 18.9 kWm (engine gross power)

Power range 1800 rpm N/A

Emissions EU Stage V

Certified against the requirements of EU Stage V (Regulation 2016/1628)

	Model
	404J-22G
Emissions certification	Stage V
Configuration	ElectropaK
Cylinders	4
Displacement, litres (in ³)	2.2 (135)
Aspiration	Naturally aspirated
Bore and stroke, mm (in)	84 x 100 (3.3 x 3.9)
Combustion system	Mechanical indirect injection
Compression ratio	23.3:1
Exhaust aftertreatment	N/A
Rotation (viewed from flywheel)	Anti-clockwise
Total lubricating oil capacity, litres (US gal)	10.6 (2.8)
Cooling system	Watercooled
Total coolant capacity, litres (US gal)	7.0 (1.8)

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
404J-22G	1500	Prime	18.6 (24.9)	18.5 (24.8)	20.1	16.1	259	251	243	264
		Standby	20.6 (27.6)	20.5 (27.5)	22.4	17.8				

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

404J Electric Power Engine

Power range 1500 rpm 18.9 kWm (engine gross power)

Power range 1800 rpm N/A

Emissions EU Stage V

Certified against the requirements of EU Stage V (Regulation 2016/1628)

Standard Equipment

	Model
	404J-22G
Electro unit or electropaK	ElectropaK
Radiator fitted	✓
Fuel filter, engine mounted	✓
Water separator	✓
Fuel priming pump (manual/electric)	Both available
Fuel cooler (not required for most installations)	N/A
Air filter, engine mounted	✓
Engine ECM, engine mounted	N/A
Wiring harness to ECM	N/A
Wiring harness (all connectors to single customer interface)	N/A
Starter motor	✓
Battery charging alternator	✓
Flywheel housing	✓
Flywheel	✓
Fan	✓
Fan guard	✓
Temperature and oil pressure for automatic stop/alarm configurable	✓

404J Electric Power Engine

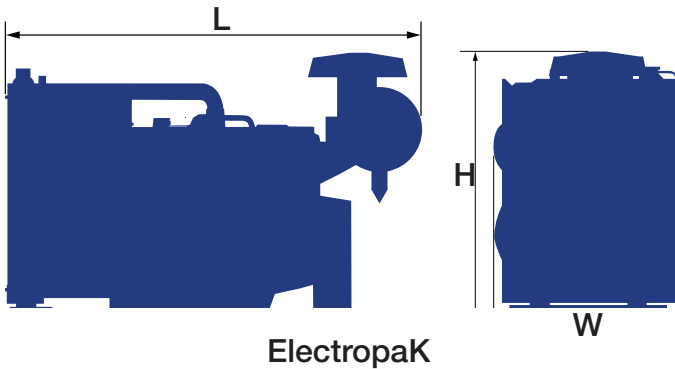
Power range 1500 rpm 18.9 kWm (engine gross power)

Power range 1800 rpm N/A

Emissions EU Stage V

Certified against the requirements of EU Stage V (Regulation 2016/1628)

Engine Package Weights and Dimensions



	Model
	404J-22G
Configuration	ElectropaK
Dimensions, H x L x W, mm (in)	840 x 946 x 497 (33.1 x 37.2 x 19.6)
Dry weight, kg (lb)	242 (534)

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.

Photographs are for illustrative purposes only and may not reflect final specification.
All information in this document is substantially correct at time of printing and may be altered subsequently.
Final weight and dimensions will depend on completed specification.
Information subject to selected configuration, and subject to change without notice.