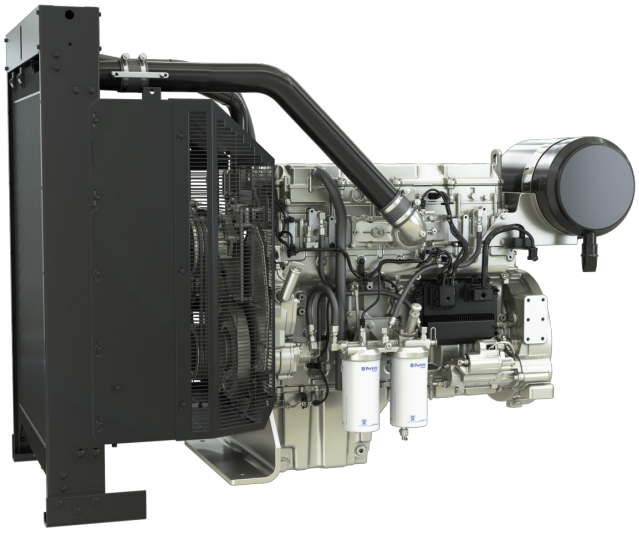
2206C-E13TAG Electric Power Engines

Power range 1500 rpm	324-413 kW (engine gross power)
Power range 1800 rpm	373-407 kW (engine gross power)
Emissions	EU Stage II

Developed from a proven heavy-duty industrial base, the Perkins® 2200 Series offers superior performance and reliability within the power generation industry. The 2206C-E13TAG models are 6 cylinder, turbocharged, air-to-air aftercooled diesel engines that provide exceptional power to weight ratios resulting in outstanding fuel consumption.

The overall performance and reliability characteristics make this a prime choice for the power generation industry.



Features and benefits

- Mechanically actuated unit fuel injectors with electronic control, combined with carefully matched turbocharging, demonstrates excellent fuel atomisation and combustion, resulting in **high efficiency power** and **fuel consumption**.
- High compression ratios ensure clean rapid starting in a wide range of ambient and altitude conditions, providing **reliable power** wherever it's needed.
- The 2200 Series has been designed to hit the power node requirements of our customers, as well as offer switchability functionality from 50 Hz/1500 rpm to 60 Hz/1800 rpm, and vice versa, to provide **greater flexibility** for frequency selection.
- Perkins offer a range of flexible solutions to help provide appropriate support, either to the OEM's network or directly to the machine customer. Our information systems enable our distributors to quickly diagnose engine faults and identify the right parts. The parts are dispatched from our global Perkins logistics operation, often reaching the customer within 24 hours, helping to **maximise the productive life** of the engine.
- 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.

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Specification

	Model	
	2206C-E13TAG2	2206C-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 × 157 (5.1 × 6.1)	
Combustion system	Direct injection	
Compression ratio	16.3:1	
Exhaust aftertreatment	N/A	
Rotation (viewed from flywheel)	Anti-clockwise	
Total lubricating oil capacity, litres (US gal)	40 (10.6)	
Cooling system	Liquid	
Total coolant capacity, litres (US gal)	51 (13.5)	

Technical Information

Model	Speed	Type of operation	Engine Power		Typical Generator Output* (Net)		Prime Fuel Consumption			
			Gross	Net			ESP	100%	75%	50%
	rpm		kW (hp)	kW (hp)	kVA	kWe	g/kWh	g/kWh	g/kWh	g/kWh
2206C-E13TAG2	1500	Prime	324 (434)	305 (409)	350	280	205	209	213	221
		Standby	368 (493)	349 (468)	400	320				
	1800	Prime	373 (500)	349 (468)	400	320	200	204	210	220
		Standby	407 (546)	381 (511)	438	350				
2206C-E13TAG3	1500	Prime	368 (493)	349 (468)	400	320	202	206	210	218
		Standby	413 (554)	392 (526)	450	360				
	1800	Prime	373 (500)	349 (468)	400	320	200	204	210	220
		Standby	407 (546)	381 (511)	438	350				

*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	
	2206C-E13TAG2	2206C-E13TAG3
Electro unit or ElectropaK	ElectropaK	
Radiator fitted	✓	
Fuel filter, engine mounted	✓	
Water separator	✓	
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	✓	

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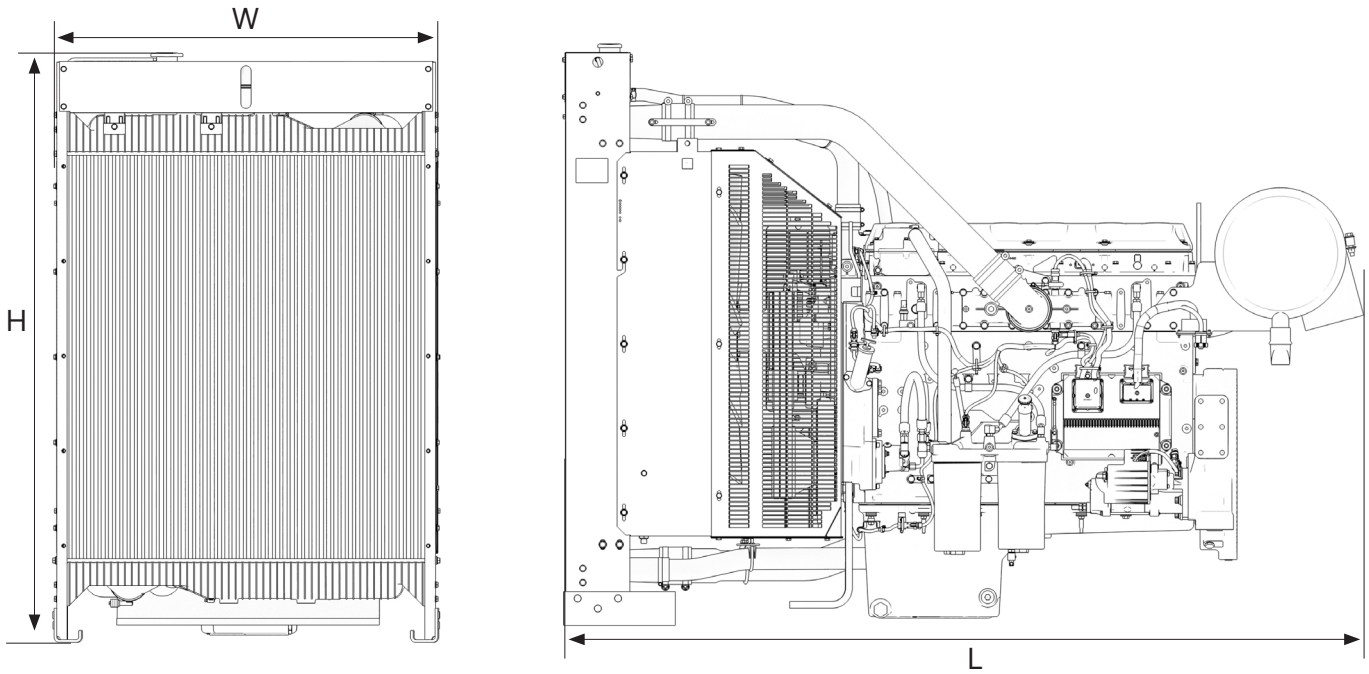
Engine Package Weights and Dimensions



	Model	
	2206C-E13TAG2	2206C-E13TAG2
Configuration	ElectropaK	
Dimensions, H x L x W, mm (in)	1725 × 2410 × 1120 (67.9 × 94.9 × 44.1)	
Dry weight, kg (lb)	1478 (3258)	

Prime power: Unlimited hours usage with an average load factor of 80 percent of the published prime power over each 24 hour period. A 10 percent overload is available for one hour in every 12 hours operation. No overload is permitted.

Standby power: Limited to 500 hours annual usage with an average load factor of 80 percent of the published standby power power over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted.

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