

2806FA-E18TAG Electric Power Engines

Power range 1500 rpm

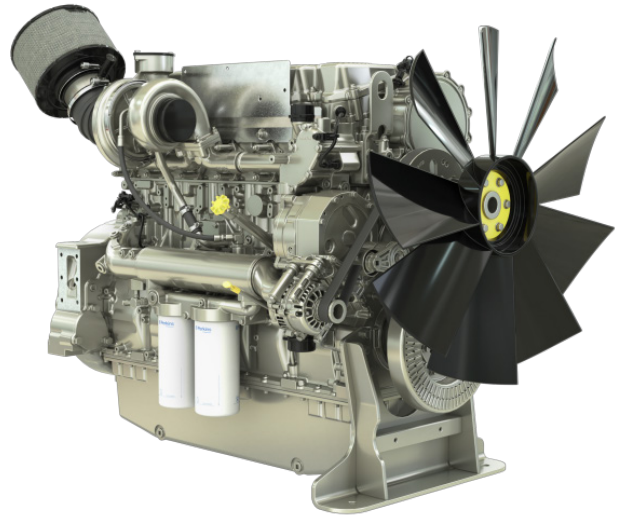
451-611 kW (engine gross power)

Emissions

India CPCBIV+

The 2806FA owes its lineage to a long line of proven industrial and electric power engines that have performed for millions of hours all over the world.

The 2806FA has been developed exclusively for India's latest emission standards. The SCR-only aftertreatment helps deliver cleaner emissions and excellent performance for years to come.



Features and benefits

- A **single robust platform** covers two key power nodes, delivering impressive transient response and reliable prime power for critical applications. Built on a successful industrial core, the 2800 Series is designed to maximise **durability, reliability, and productivity**.
- A **common platform** simplifies maintenance training and service parts inventory.
- Fuel and DEF consumption are optimised to match the operating cycles of generators, helping to **lower operating costs** for the life of the engine.
- Perkins engines are designed and developed with our customer in mind. Keeping service cost to a minimum enables **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 extend the warranty period through **Perkins® Platinum Protection**. Contact your local distributor or visit www.perkins.com/platinumprotection.
- Our facilities worldwide employ the same **efficient processes**, the same tested and validated components, and the same **stringent quality controls** wherever your engines are manufactured.

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Specification

	2806FA-E18TAG	
	TAG1	TAG2
Configuration	Vertical in-line	
Cylinders	6	
Displacement, litres (in ³)	18.1 (1106)	
Aspiration	Turbocharged aftercooled	
Bore and stroke, mm (in)	145 × 183 (5.7 × 7.2)	
Combustion system	Diesel compression ignition	
Compression ratio	16:1	
Exhaust aftertreatment	DOC/SCR/AMOX	
Rotation (viewed from flywheel)	Anti-clockwise, viewed on flywheel	
Total lubricating oil capacity, litres (US gal)	72 (18.9)	
Cooling system	Watercooled	
Total coolant capacity, litres (US gal)	11 (2.9)	

Technical Information

Model	Speed rpm	Type of Operation	Engine Power		Fuel Consumption					
			Gross	Net	110%	100%	75%	70%	50%	25%
			kW (hp)	kW (hp)	g/kWh	g/kWh	g/kWh	g/kWh	g/kWh	g/kWh
2806FA-E18TAG1	1500	Prime	451	442	201	201	206	205	203	225
		Standby	495	486	-	201	205	206	204	223
2806FA-E18TAG2	1500	Prime	556	547	196	194	197	199	205	219
		Standby	611	602	-	196	196	197	203	218

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Standard Equipment

	2806FA-E18TAG	
	TAG1	TAG2
Electro unit or ElectropaK	Electro unit	
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

	2806FA-E18TAG	
	TAG1	TAG2
Aftertreatment configuration	Remote mounted	
Aftertreatment type	DOC-SCR-AMOX	
Exhaust flexible pipe (engine to aftertreatment)	Flexpipe ship loose	
DEF tank	Ship loose	
Heated DEF lines	Ship loose	

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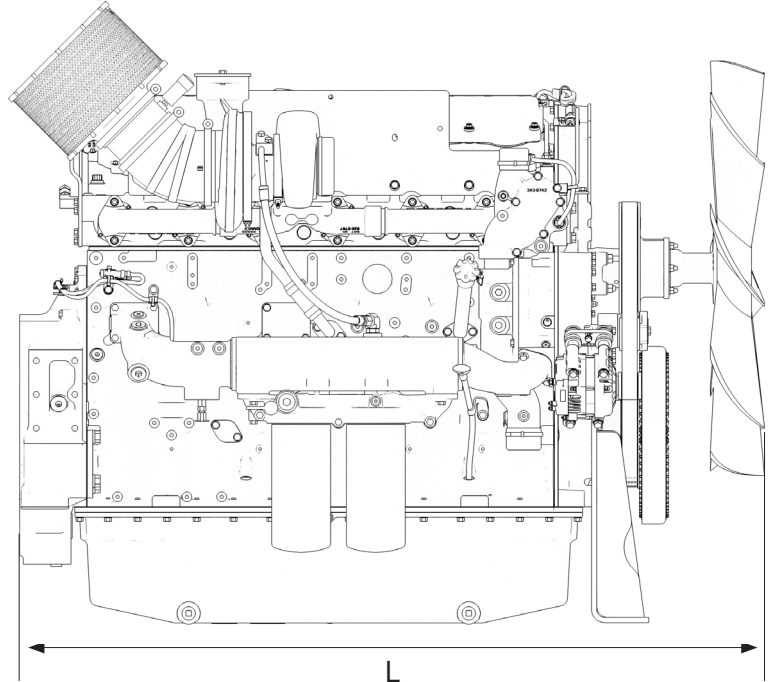
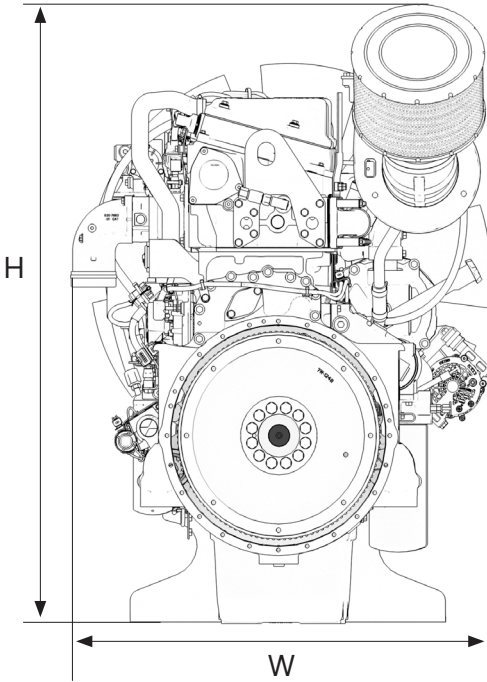
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Engine Package Weights and Dimensions



	2806FA-E18TAG	
	TAG1	TAG2
Engine		
Configuration	Electro unit	
Dimensions, H x L x W, mm (in)	1430 × 1805 × 993 (56.3 × 71.1 × 39.1)	
Dry weight, kg (lb)	1494 (3293.7)	
Clean emissions module (CEM)		
Configuration	Loose	
Dimensions, H x L x W, mm (in)	975 × 1004 × 528 (38.4 × 39.5 × 20.8)	
Dry weight, kg (lb)	111 (244.7)	
Pump electronic tank unit (PETU)		
Configuration	Loose vertical	
Dimensions, H x L x W, mm (in)	551 × 732 × 425 (21.7 × 28.8 × 16.7)	
Dry weight, kg (lb)	18.6 (41)	

Prime power: Power available at variable load in lieu of a main power network. Overload of 10 percent 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.

All information in this document is substantially correct at time of printing and may be altered subsequently. Photographs are for illustrative purposes only and may not reflect final specification. Final weight and dimensions will depend on completed specification. Information subject to selected configuration, and subject to change without notice. Power determined by ISO 14396-2002 standard reference conditions. 100188-EN-02 (04/24) Produced in England ©2024 Perkins Engines Company Limited.