

1700 Series 1706A-E93TAG1/TAG2 Diesel Engine – ElectropaK

1706A-E93TAG1

304 kWm (Gross) @ 1500 rpm

358 kWm (Gross) @ 1800 rpm

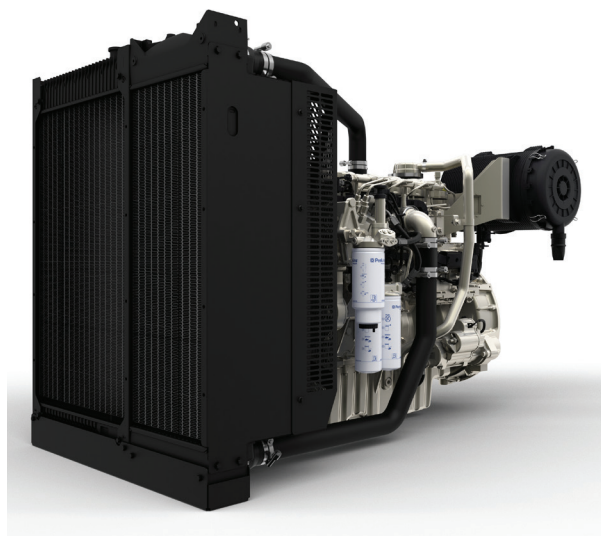
1706A-E93TAG2

343 kWm (Gross) @ 1500 rpm

358 kWm (Gross) @ 1800 rpm

The Perkins® 1700 Series is engineered to provide class leading performance and maximise competitive advantage for our customers.

Developed on a latest generation 9.3 litre core, the 1706 offers greater capability and more flexibility to our customers from a simple plug and play product.



Emissions

Fuel optimised.

Specification		
Number of cylinders	6 vertical in-line	
Bore and stroke	115 x 149 mm	4.5 x 5.9 in
Displacement	9.29 litres	566.9 in ³
Aspiration	Turbocharged aftercooled	
Cycle	4 stroke DI	
Combustion system	Direct injection	
Compression ratio	16.5	
Rotation	Anti-clockwise, viewed on flywheel	
Total lubricating capacity	26-30 litres	6.9-7.9 US gal
Cooling system	Liquid	
Total coolant capacity	33 litres	8.7 US gal

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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.

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 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

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Features and benefits

Dependable power

- World-class manufacturing capability and processes coupled with proven core engine designs assure reliability, quiet operation, and many hours of productive life
- A high power density product that combine dependable power and high efficiency at the same time. Driving lower cost of ownership along with better performance

To find more, visit: www.perkins.com/powerdensity

Flexibility

- Tropical radiator is supplied as standard

Lifetime of low cost

- Fuel consumption optimized prime power and continuous running applications. No additional fluids or additives are required which lowers operating costs
- Vee belts and 500-hour oil change intervals enable low-cost maintenance
- Perkins Platinum Protection – there is also an option to buy a Perkins Platinum Protection policy to cover you beyond the standard warranty period.

Discover more: https://www.perkins.com/en_GB/aftermarket/perkins-platinum-protection.html

Local support, global coverage

- 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

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Technical information

Air inlet

- Standard air cleaners

Control system

- Full electronic control system
- All connectors and wiring looms waterproof and designed to withstand harsh environments
- Flexible and configurable software features and well supported SAE J1939 CAN bus enables highly integrated machines

Cooling system

- Tropical radiator as standard ensures optimal cooling performances all year round in any state
- 50:50 water glycol mix

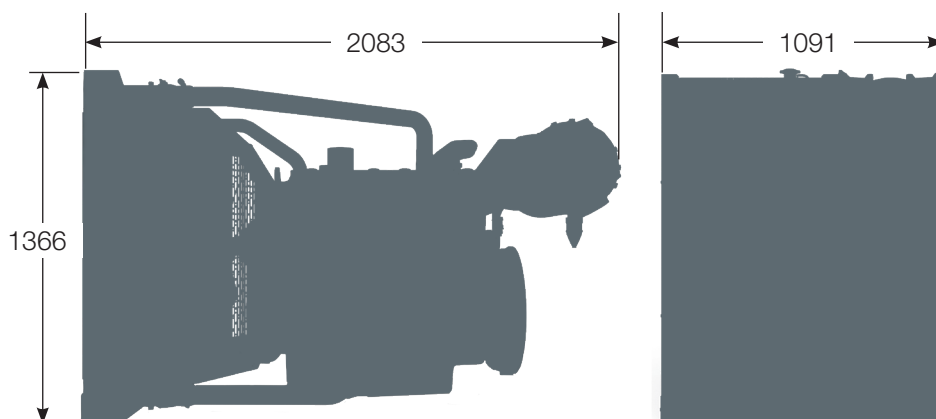
Flywheels and flywheel housing

- SAE1 flywheel housing

Fuel and fuel system

- Electronic high pressure common rail
- Aluminium sump

Dimensions



Engine package weights and dimensions		
Length (including air filter)	2083 mm	82.0 in
Width	1091 mm	42.9 in
Height	1366 mm	53.8 in
Weight (dry)	1183 kg	2608.5 lb

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Engine model	Speed rpm	Type of operation	Generator output		Engine power			
					Gross		Net	
			kVA	kWe	kWm	hp	kWm	hp
1706A-E93 TAG1	1500	Prime power	307	246	276.3	370.5	267.3	358.4
		Standby power	339	220	304.0	407.7	295.0	395.6
1706A-E93 TAG2	1500	Prime power	348	278	311.4	417.6	302.4	405.5
		Standby power	384	307	343.0	459.9	334.0	447.9
1706A-E93 TAG1/TAG2	1800	Prime power	357	286	325.8	436.9	310.8	416.8
		Standby power	395	316	358.4	480.6	343.3	460.5

Power rating %	Engine model		
	1706A-E93TAG1	1706A-E93TAG2	1706A-E93TAG1/TAG2
	276.3 kW/1500 rpm Prime	311.4 kW/1500 rpm Prime	325.8 kW/1800 rpm Prime
	g/kWh	g/kWh	g/kWh
25	236	227	240
50	205	199	206
75	194	192	197
100	190	190	194
110	189	190	193