5016A-E61TRG

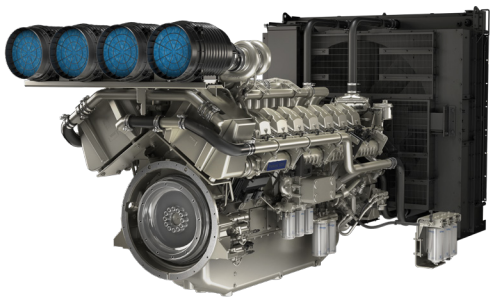
Electro unit

Fuel optimised

1249-2205 kW @ 1500 rpm (engine gross power)

The Perkins® 5016A-E61TRG has been designed to offer reliable power for all electric power applications, including standby, prime, critical and data centres.

Engineered and built specifically for the power generation industry, the Perkins® 5000 Series is a power-packed engine range designed to be dependable while offering versatility and low daily operating costs.



Features and benefits

Maximised productivity

The 5000 Series delivers productivity with excellent load acceptance, meeting NFPA110 and ISO standards. Built for reliability and high-altitude performance, it's engineered for dependable power in any condition. Globally tested in extreme environments, it provides consistent performance when it matters most.

Delivers more power

Design of core engine components mean the 5000 Series delivers more power, more quickly no matter the demands of the application or the environment in which it is placed.

Low daily operating costs

Excellent oil consumption through dedicated piston, ring and liner assembly and low fuel consumption deliver minimised daily operating costs.

Advanced technology

The 5000 Series utilises advanced technology, with full authority electronics, that easily integrates into the customer's chosen telematic solutions and is optimised for efficiency in fuel consumption.

Specification

Configuration	Electro unit
Typical electrical output*, kVA (kWe)	1400-2500 (1120-2000)
Cylinders	16
Displacement, litres (in^3)	61.1 (3728.6)
Aspiration	Turbocharged and air-to-water chargecooled
Bore and stroke, mm (in)	160 (6.3) x 190 (7.5)
Combustion system	Direct injection
Compression ratio	13.8:1
Aftertreatment	None
Total lubricating oil capacity, litres (US gal)	213 (56.3)
Total coolant capacity, litres (US gal)	95 (25.1)
Rotation (viewed from flywheel)	Anti-clockwise
Length x width x height, mm (in)	3675 × 2076 × 1260 (144.7 × 81.7 × 49.6)
Weight, kg (lb)	6127 (13510), dry 6416 (14147), wet

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

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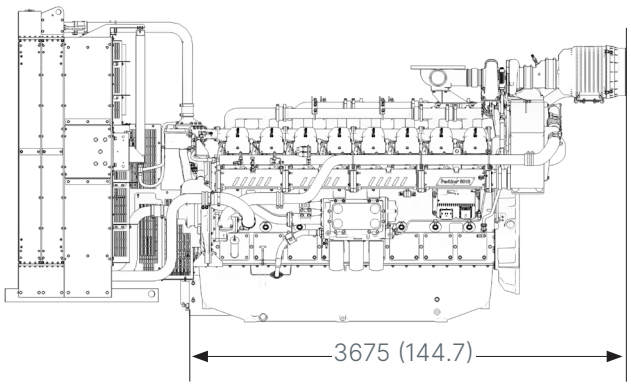
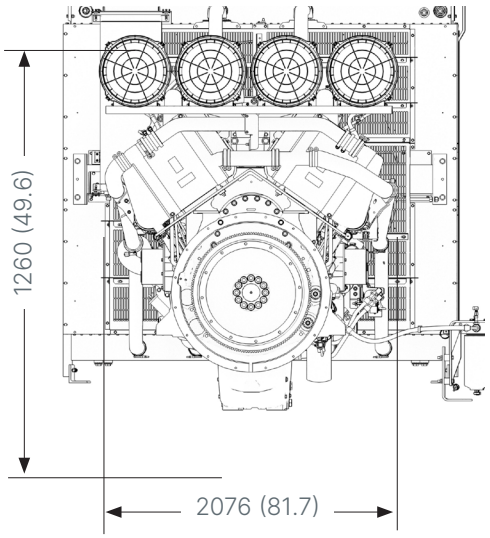
Standard equipment

Electro unit or ElectropaK	Electro unit
Radiator fitted	None
Fuel filter, engine mounted	✓
Water separator	✓
Fuel water sight glass	None
Fuel priming pump (manual/ electric)	Electric
WIF sensor	✓
Fuel cooler	None
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	None
Fan guard	None
Temperature and oil pressure for automatic stop/alarm configurable	✓

Dimensions





Note: Illustrations shown are electropaK models and are intended for reference purposes only for the electro unit.

All information in this document is substantially correct at time of printing and may be altered subsequently.

Perkins®