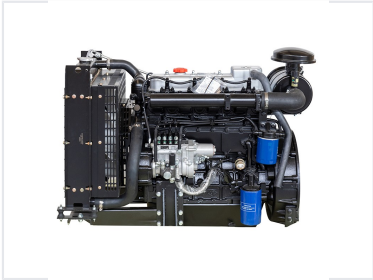
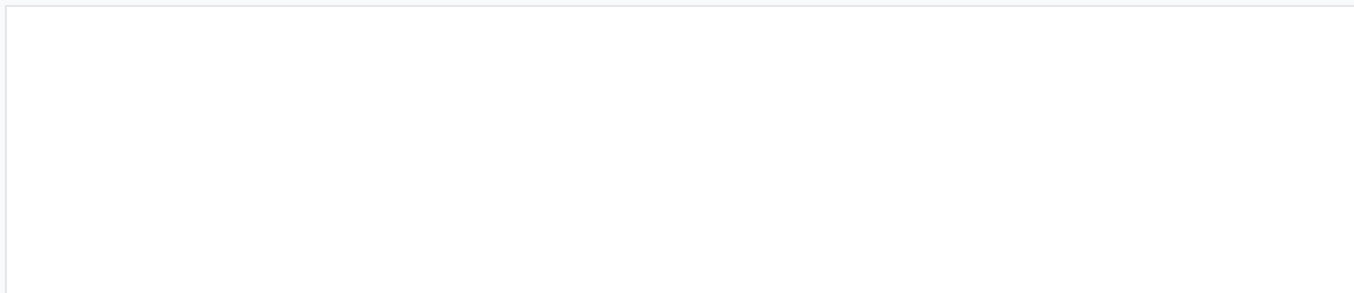


3.857L Four-Stroke Diesel Engine

This four-stroke diesel engine has a 3.857L displacement and utilizes direct injection. It is water-cooled for optimal thermal management.



Product Overview

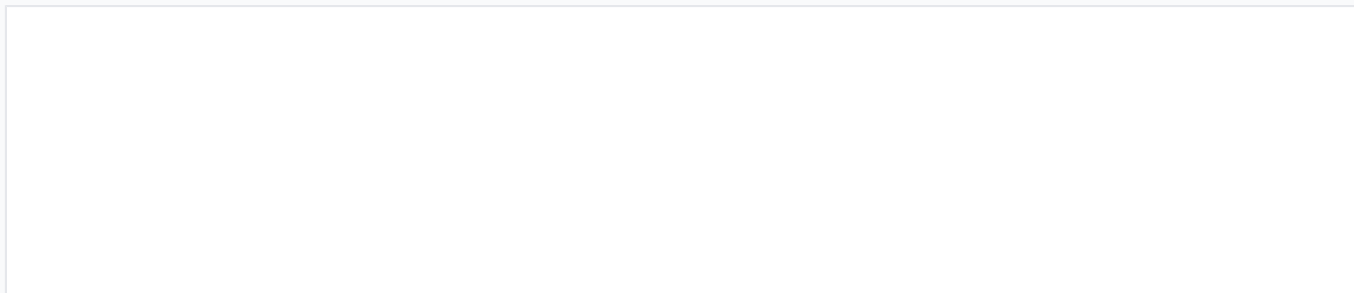


The engine assembly includes a high-efficiency radiator and integrated fuel filtration system for reliable operation.

High-Performance Diesel Engine for Generator Sets

The QC4102D is a robust 3.857L four-stroke diesel engine specifically engineered for reliable power generation. Featuring direct injection and a vertical in-line configuration, it delivers efficient combustion and stable output for demanding industrial applications. This water-cooled, naturally aspirated engine is designed for durability and ease of maintenance in professional B2B environments.

Core Performance



Technical performance curves showing the relationship between power, torque, and specific fuel consumption.

Key Performance Metrics

39.6 kW Max Standby Output	3.857 L Displacement	1800 RPM Rated Speed	230 g/kw-h Fuel Consumption
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Engine Architecture



Compact four-cylinder configuration optimized for generator set integration.

Engine Configuration

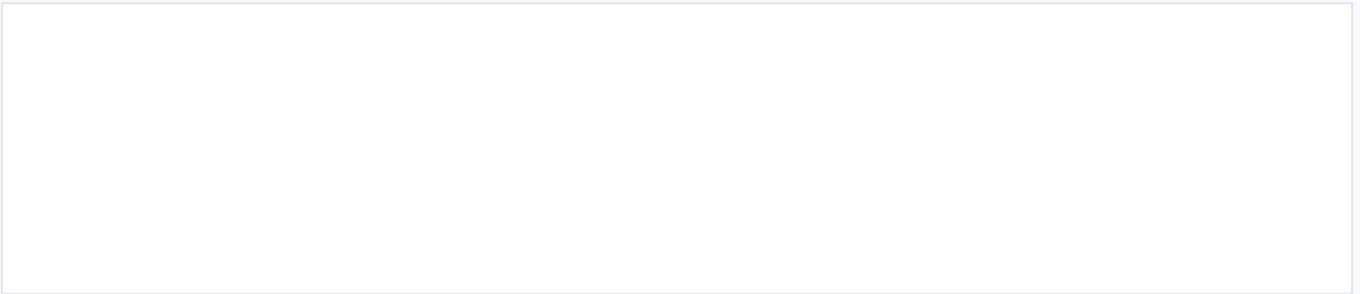
Four-Stroke, Vertical, In-Line, Water-Cooled, Naturally Aspirated, Direct Injection

Technical Specifications

Cylinder Details

Parameter	Specification
Number of Cylinders	4
Bore x Stroke	102 x 118 mm
Cylinder Liner Type	Dry
Compression Ratio	17:1
Firing Order	1-3-4-2

Operation & Maintenance



Service-friendly design with clearly labeled oil and fuel filtration components to ensure long-term performance.

Starting Method

Electric

Lubrication System

Combination of pressure and splash

Direction of Rotation

Counterclockwise (viewed from flywheel side)

Mechanical Interface

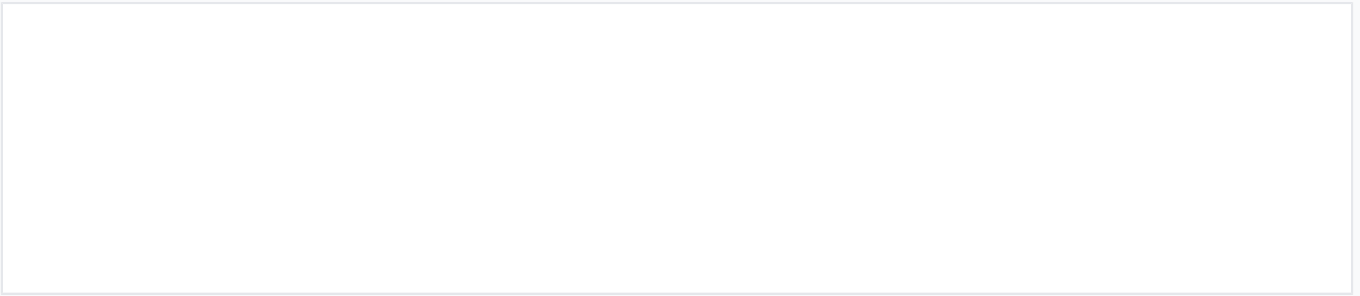


Standardized SAE interface dimensions for seamless coupling with various alternator models.

Interface Standards

- Flywheel Cover: SAE 3#
- Flywheel Link Size: 295.27 / 428.62
- Mounting Bolts: M10 (Multiple configurations)

Physical Dimensions



Detailed dimensional drawing illustrating mounting points and overall footprint for installation planning.

Overall Length	722 mm
Engine Height	422 mm