Four-Stroke Diesel Engine

This four-stroke diesel engine features a vertical, water-cooled design. It utilizes direct injection for efficient combustion and is designed for easy installation.

Overview

The QC380D features a robust red-painted block and integrated cooling system for industrial reliability.

High-Performance Four-Stroke Diesel Engine

The QC380D is a robust, vertical in-line diesel engine specifically engineered for generator applications. Featuring a four-stroke, water-cooled design with direct injection, it delivers reliable power with high thermal efficiency. This CE and ISO-approved engine is built for durability in demanding industrial environments, offering a compact footprint without compromising on performance.

Certifications

CE Approved • ISO Approved

Performance Metrics

Rigorous testing ensures the engine meets rated output and fuel consumption targets.

Power Ratings

10 kW	12 kW
Rated Output @ 1500rpm	Rated Output @ 1800rpm

Fuel Consumption Rate	265 g/kw.h
Smooth Speed Rate	<=5%

Engine Configuration

Complete assembly including radiator and air intake system, optimized for generator sets.

Close-up of the direct injection system and mechanical fuel pump components.

Design Features	Vertical, In-line, Water-cooled, Four-stroke, Naturally Aspirated
Chamber Type	Direct Injection
Cylinder Liner Type	Wet

Technical Interface

Detailed dimensional drawing showing SAE housing and mounting points.

Flywheel & Housing Specifications

Component	Specification
Flywheel Ring Gear Teeth	115
Flywheel Cover Type	SAE 4#
Flywheel Type	SAE 7.5#

Cooling System

Cooling Fan Diameter	410 mm

Maintenance

Service Guidelines

- Drain and replace fuel filter every 300 hours
- Regular inspection of water-cooling system
- Monitor belt tension for alternator and fan