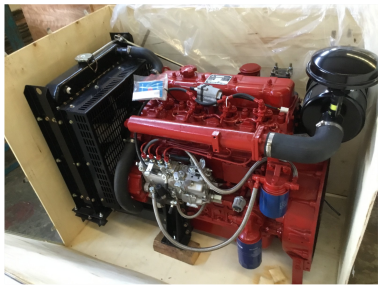
3000 RPM Diesel Engine for Fire Fighting

This medium and small diesel engine operates at 3000 RPM. It is designed for use in fire fighting equipment.



Product Overview

High-Performance Diesel Engines for Fire Fighting

This series of medium and small diesel engines is specifically engineered for fire fighting equipment, delivering a reliable 3000 RPM output. Featuring a vertical, in-line, four-stroke design with direct injection, these engines ensure efficient combustion and rapid response in critical emergency situations. With multiple models available ranging from 1.357L to 2.516L displacement, they offer versatile power solutions for various industrial safety applications.

Engine Configuration

Compact 3-cylinder model featuring a high-efficiency radiator and air filtration system.

Engine Type	Vertical, In-line, Water-cooled, Four-stroke, Direct Injection
Intake Method	Natural intake

Technical Specifications

Model Specifications

Model	Cylinders-Bore*Stroke	Displacement (L)	Liner Type
QC380Q(DI)	3-80*90	1.357	WET
QC385Q(DI)	3-85*90	1.532	DRY
QC480Q(DI)	4-80*90	1.809	DRY
N485QA	4-85*95	1.809	DRY
QC490Q	4-90*105	2.516	WET

Performance Metrics

Rated Speed

3000 RPM
Engine Speed

Rated Power Output

- QC380Q(DI): 20kW
- QC385Q(DI): 23kW
- QC480Q(DI): 29kW

Design & Components

The engine block is constructed from durable materials for exceptional strength and longevity in fire fighting applications.

Mounted on a stable metal frame for ease of installation into fire fighting machinery.

Detailed view of the cooling fan and complex hose arrangements for reliable thermal management.

Key Components

- High-pressure fuel injection system
- High-capacity air filter assembly
- Electric starter motor
- Dual fuel filtration system
- Sturdy mounting base for stability

Cooling System	Liquid cooling with front-mounted radiator and multi-blade fan

Logistics & Testing

Advanced dynamometer testing ensures performance reliability and emissions compliance.

Engines are professionally crated and loaded into shipping containers for global delivery.

Rigorous Testing & Analysis

Each engine undergoes comprehensive performance mapping and transient response analysis in a controlled laboratory environment. Utilizing dynamometers and precise data acquisition sensors, we ensure every unit meets strict emissions and power output compliance standards.

Shipping & Packaging	Securely packed in reinforced wooden crates for international containerized transport.