

Gasoline Engine for Industrial Machinery

This gasoline engine is designed for various machinery and industrial applications. It is a general machinery component that offers reliable power and performance.



Overview

Industrial Gasoline Engine

The JCQ170F (JCQ160) is a robust single-cylinder, 4-stroke, OHV gasoline engine engineered for reliable performance in industrial machinery applications. Featuring forced air cooling and a 25-degree tilt design, this engine delivers a rated output of up to 3.3 kW. With versatile starting options and a durable splash lubrication system, it is built to handle demanding operational environments efficiently.

Performance Metrics

Rated Output

3.3 kW Max Rated Output	3600 r/min Rated Speed	9.7 N*m Max Torque
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Consumption Rates

Metric	Value
Fuel Consumption Rate	$\leq 395 \text{ g/(kW}\cdot\text{h)}$
Lubricating Oil Consumption	$\leq 6.8 \text{ g/(kW}\cdot\text{h)}$

Technical Specifications

Engine Structure

- Type: Single-cylinder, 4-stroke, OHV
- Cooling: Forced air cooled
- Displacement: 163 ml
- Bore: 68 mm
- Stroke: 45 mm
- Compression Ratio: 8.5

Valve Clearance (Cold)

Valve Type	Clearance (mm)
Intake	0.10 ± 0.02
Exhaust	0.15 ± 0.02

Operation & Maintenance

Fluids & Capacities

- Fuel Type: No. 93 Gasoline
- Fuel Tank Capacity: 3.6 L
- Lubricant Oil: SAE10W30
- Lubrication Oil Capacity: 0.6 L

Starting System

Recoil Start, Electric Start

Physical Dimensions

Size & Weight

15 kg

Net Weight

Dimensions (L x W x H)

305 x 365 x 340 mm