

Single-Cylinder 4-Stroke Gasoline Engine

This is a single-cylinder, 4-stroke gasoline engine with an overhead valve (OHV) design. It is air-cooled and equipped with an electronic ignition system.



Overview

Reliable 4-Stroke Power

The YLK168F is a versatile single-cylinder, 4-stroke gasoline engine engineered for efficiency and durability. Utilizing an overhead valve (OHV) design and forced air cooling, this engine ensures consistent performance for various demanding applications. Key safety and maintenance features include an electronic ignition system, a robust cast iron cylinder liner, and low oil shutdown protection.

Performance Metrics

Key Performance Metrics

2.6 kW

Rated Output

74 N·m

Max Torque

163 ml

Displacement

Technical Specifications

Construction and Build

Feature	Specification
Engine Type	Single cylinder, 4-stroke
Bore x Stroke	68 x 45 mm
Compression Ratio	6:01
Starting Method	Manual
Ignition System	Non-contact transistorized

Fluids and Capacities

- Fuel Capacity: 3.6 L
- Gasoline Capacity: 0.4 L
- Oil Capacity: 0.6 L
- Oil Type: 15W/40SAE
- Fuel Type: 90# Gasoline, Kerosene

Physical Dimensions

Dimensions and Weight

- Physical Size: 312 x 362 x 335 mm
- Dry Weight: 16 kg

Operational Details

Operational Characteristics

- Rated Speed: 3600 rpm
- Idle Speed: 1350 rpm
- Noise Level: d104 dB (at 1 meter)

Applications

Common Industrial Applications

Generators, Water Pumps, Tillers