

Horizontal Shaft Gasoline Engine

This is a horizontal shaft gasoline engine, suitable for various applications requiring reliable power. It features robust construction ensuring durability and long life.



Overview

High-Performance Horizontal Shaft Engine

The SN420 is a powerful horizontal shaft gasoline engine engineered for reliability and efficient performance across various heavy-duty applications. Designed with a robust 420ml displacement, this engine provides consistent torque and power for machinery such as generators, water pumps, and tillers. Its durable construction, combined with efficient fuel management and advanced ignition systems, ensures long-lasting operation in demanding environments.

Performance Metrics

Maximum Power

7.8 kW

Max Power

3600 r/min

at Speed

Maximum Torque

22 N.m

Max Torque

2600 r/min

at Speed

Technical Specifications

Bore x Stroke	90 x 66 mm
Displacement	420 ml
Compression Ratio	8.2:1
Idle Speed	1700 r/min

Maintenance

Valve Lash Settings

Valve Type	Clearance (mm)
Intake	0.10 - 0.15
Exhaust	0.15 - 0.20

Operational Capacities

Oil Capacity	1100 ml
Fuel Tank Capacity	5.5 L
Fuel Consumption Ratio	d420g/kW.h
Oil Consumption Ratio	d6.8g/kW.h

Features

Starting System	Recoil, Electric (Optional)
Ignition System	Transistor ignition system

Compliance

Noise Standards

- GB15739-1995
- GB/T1859-2000

Physical Dimensions

Dimensions (L x W x H)	510 x 440 x 500 mm
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