Hybrid Powered Forklift

The hybrid forklift combines internal combustion engines with electric motors, offering reduced emissions and fuel consumption. This construction machinery is designed for heavy-duty lifting and material handling in various industrial and outdoor environments.

Product Overview

Hybrid Innovation

This hybrid powered forklift utilizes a unique energy conversion system that optimizes engine performance while significantly reducing emissions and noise. By combining electric energy from an engine-powered generator with a variable hydraulic pump, the system intelligently regulates fuel consumption based on real-time operational demands. The result is a highly efficient, dynamic industrial vehicle that sets a new standard for eco-friendly material handling.

Technical Specifications

Drive System	Hybrid (Engine-powered generator + Electric motor)
Transmission Design	Electric linear drive axle with planetary wheel-side reducer
Braking Technology	Wet brake pad system with foot-operated parking brake
Hydraulic System	Variable hydraulic pump control for reduced reactive power loss

Design & Ergonomics

Cab Features	Curved arc columns, Spacious interior, Irregular section design, Enhanced visibility
Parking Brake	Foot-operated (Once for brake, twice for release)

Safety & Compliance

Safety Systems

- Overall stamping canopy guard
- Wet brake pad system
- Arc-design taillight assembly
- Enhanced protective structure

Key Performance Metrics

Efficiency Metrics

1 Optimized
Energy Conversion Efficiency

0 Minimized
System Reactive Power Loss