

Bridge Inspection Vehicle

This heavy-duty bridge inspection vehicle is designed for comprehensive inspection and maintenance. It features a robust chassis, telescopic boom, and stable platform for personnel and equipment.



Overview

Advanced Bridge Inspection Solution

This heavy-duty bridge inspection vehicle is engineered for efficient, safe, and flexible maintenance operations. Featuring a robust truss structure and a sophisticated hydraulic control system, it provides a stable working platform with an impressive 18-meter level work range. Designed for versatility, the vehicle can easily navigate sidewalks and clear guardrails, significantly improving inspection efficiency for large-scale bridge projects.

Performance Metrics

Bridge Level Work Range

18 m

Maximum Range

10 m

Minimum Range

Platform Capabilities

Feature	Value
Rated Load	500 kg
Max Bridge Size	8000 mm
Platform Swing Angle	180°
Under-Bridge Depth	8 m

Chassis & Engine

Engine Specifications

- Engine Type: BF6M1013-28 E3
- Power: 206 kW / 280 Ps
- Displacement: 7146 ml

Drivetrain Configuration

- Transmission: JS118 (8 Forward Gears)
- Clutch: Dry monolithic hydraulic auxiliary (430 mm diameter)
- Front Axle: 7T Double Front Axle
- Driving Axle: 13T Double Rear Axle

Operational Features

Automation & Control

Automatic Walking Function • Hydraulic Drive Legs • Adjustable Steering Wheel

Clearance Capabilities

Sidewalk Span: 2100-2500 mm, Guardrail Height: 2000 mm