

Dongfeng Prime Mover EQ4251W 6x4 (460HP, 2024) – Detailed Specification

General Specifications

Model	Dongfeng EQ4251W
Vehicle Type	Prime Mover / Tractor Head
Drive Configuration	6x4
Manufacturing Year	2024
Gross Vehicle Weight (GVW)	≈ 25,000 kg
Gross Combination Weight (GCW)	≈ 49,000 – 60,000 kg (market dependent)
Engine Model	Cummins ISZ460 / Dongfeng dCi460 (market dependent)
Engine Type	6-cylinder, turbocharged, intercooled diesel
Fuel System	Common rail direct injection
Rated Power	≈ 460 HP (338 kW) @ 1,900 rpm
Maximum Torque	≈ 2,300 Nm @ 1,000–1,400 rpm
Emission Standard	Euro V / Euro VI (market dependent)
Transmission	FAST 12-speed manual (12JSD) or AMT (optional)
Clutch	φ430 mm single dry clutch
Front Axle Load	≈ 7,000 kg
Rear Axle Load	≈ 2 × 13,000 kg
Rear Axle Ratio	≈ 3.7 – 4.1
Suspension	Multi-leaf spring (air suspension optional)
Brake System	Dual-circuit air brake with ABS
Fuel Tank Capacity	≈ 400 – 600 L
Tire Size	12.00R20 or 315/80R22.5
Wheelbase	≈ 3,300 + 1,350 mm
Cabin	High-roof sleeper cab with A/C

Declaration: This specification sheet is intended for reference only. Actual vehicle specifications, configuration, performance, and operating conditions may vary depending on manufacturing batch, market requirements, and operating environment.