



15-Series 18.5K Chassis



The 15-Series Chassis is a commercial base, 4x4 platform truck chassis engineered to serve the extreme environment needs of energy, mining, industrial and government customers around the world. The chassis is available as a fully assembled rolling chassis (complete frame, powertrain and driveline) ready for adaptation to a variety of cab and body configurations or as a knockdown set of components which can be customer assembled.

The chassis utilizes a full box section frame assembly with front and rear bumpers/tie downs and body mounts and a high mobility independent suspension system with load leveling capability. The service brake system includes an electronically-controlled anti-lock brake system (ABS) for superior directional stability. The powertrain features a General Engine Products V8, 6.5L engine (Optional Cummins ISV5.0) and an electronic-controlled 6-speed Allison 2550SP automatic transmission.



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GVWR
18,500 lb (8,392 kg)

Chassis Weight
7,765 lb. (3,522 kg)

Towed Load Allowance
4,200 lb. (1,905 kg)

Shipping Dimensions
708 cubic ft. (20 cubic m)
120 sq ft. (11.15 sq m)
203 in. (5.16 m) Length
85 in. (2.16 m) Width
71 in. (1.80 m) Height

Track Width
73.6 in. (1.87 m)

Wheelbase
136.3 in (3.46 m)

Turning Radius
26.5 ft. (8.08 m)

Ground Clearance
16 in (0.41 m)

Angle of Approach
60°

Angle of Departure
45°

Ramp Breakover Angle
19°

Grade Capability
60%

Side Slope Capability (at GCW)
40%

Climb Capabilities
18 in. (0.46 m) Vertical Step

Cargo Bed Height (at GCW)
40 in. (1.02 m)

Engine
General Engine Products (GEP)

V8, 6.5L Turbocharged Diesel

Horsepower
@ 3,200 RPM:
250 HP (186KW)

Torque
@1,800 RPM:
550 lb.-ft (746 N•m)

Transmission
Electronic-controlled 6-speed
Allison 2550SP automatic

Transfer Case
2 Speeds
Ratios: High - 1:1; Low -
2.72:1

Differentials
Front and Rear - Hypoid
Ratios 3.08:1

Frame
Steel Box Section
5 Crossmembers

Front Suspension
Independent Double
A-Arm; Coil Spring;
Telescopic Shock Absorbers

Rear Suspension
Independent Double
A-Arm; Coil Spring;
Telescopic Shock Absorbers

Geared Hubs
Ratios: 2.25:1

Wheels
Two-Piece Take Apart

Tires
Non-Directional
Cross-Country Tread;
365/80 R20;
Load Range: L

Service Brakes
Type: Disc - Front & Rear
Dual Master Cylinder with
ABS; Rotor Size - 330 mm
Dia.; Lining Area - 11.5 sq in.
(74.2 cm²) (89.2 sq in.
(575.5 cm²) Total)

Parking Brakes
Single Disc, Independent,
Hand-Operated Lever

Heating/Ventilating/Air Conditioning
HVAC meets area of operation
and crew requirement

Electrical System
Dual Voltage 14V/28V
400-amp Alternator

Fuel Capacity
30 gal. (113 L)

Performance
Variable

Maximum Speed
70 mph (113 kph)

Deep Water Fording
30 in. (0.76 m)

Run Flat Capability
30 miles @ 30 mph
(48 km @ 48 kph)

Transport Modes
Highway, Rail, Marine, and Air



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