



WESTERN STAR 6900 – XD40 OFFROAD
J&J 6x4 DynaHauler®
40-Ton Dump Truck



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**J&J TRUCK BODIES
& TRAILERS®**
Built for the Long Haul™



WESTERN STAR 6900 – XD40 OFFROAD J&J 6X4 DYNAHAULER® 40-TON DUMP TRUCK

PRODUCTIVITY AND PROFITABILITY BUILT RIGHT IN

The Western Star XD40 Offroad Package with the J&J DynaHauler® 40-ton dump body is the solution to minimize cost per ton of material hauled and maximize shift productivity. We achieve this with key specifications including 110,000 pound planetary drive axles, a Detroit™ Series 60® Tier III engine with off-highway emission ratings, a fully automatic Allison 4700 RDS transmission and purpose-built dump box. This optimized configuration provides customers with a cost effective, turn-key solution for sand and quarry customers.

Western Star is known for its rugged construction and durability, and this is a unit that caters specifically to off road and quarry operations. These units make moving material look easy, yet still can be up to 35 percent more fuel efficient than traditional off-road haulers when haul distances exceed one mile.

The superior fuel economy, combined with easy, low-cost maintenance and top speeds of more than 40 miles per hour in the proper application, makes this truck unmatched in cycle time efficiency.





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FEATURES & BENEFITS: CHASSIS

PROVEN DURABILITY MEANS GREATER PRODUCTIVITY.

Western Star has been building rugged, hard-working equipment since 1967. And the result of this work is the XD Offroad package. The extreme-duty XD Offroad delivers a dependable and affordable option to the more costly rigid and articulated 40-ton haul trucks with a selection of features to maximize uptime and profitability.



FEATURES:

REDUCED MAINTENANCE TIME

Steel, butterfly hood
Fender and air cleaner disconnect system
Planetary gear sets
Available central lube and other time saving systems

INCREASED UPTIME

Large copper-brass radiator
Shock-mounted radiator
Point-to-point electrical system with in-cab fuse panels
Steel chassis wiring standoffs

UNMATCHED POWER

Detroit™ engine options

BENEFITS:

Quick fluid checks and long life
Quick and easy engine access
Manage massive loads while remaining easy to work on
Reduced maintenance time

Excellent cooling and in-field reparability
Reduced downtime and repairs
Quicker diagnosis and repair
Quicker circuit tracing and repair

Multiple models and power ratings to tailor the engine to the job while maximizing fuel efficiency
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WESTERN STAR 6900 – XD40 OFFROAD
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FEATURES & BENEFITS: BODY

EVERY LOAD MAKES YOU MORE PROFITABLE.

J&J 6X4 DYNAHAULER®

J&J Truck Bodies and Trailers has a strong reputation for building rugged, cost-effective solutions, making it a perfect match for the Western Star XD40. Combined, the J&J DynaHauler® 40-ton capacity dump delivers a number of features to help your bottom line.

FEATURES:

MAXIMIZED LOADING

Low-profile bed sides

Auto-lift tailgate

BENEFITS:

Easier and more efficient loading

Greater capacity and quicker unloading

IMPROVED SAFETY

Full cab guard

Protects operators from falling debris

INCREASED LONGEVITY

All-steel construction

Scowled end design

Stands up to the most extreme materials

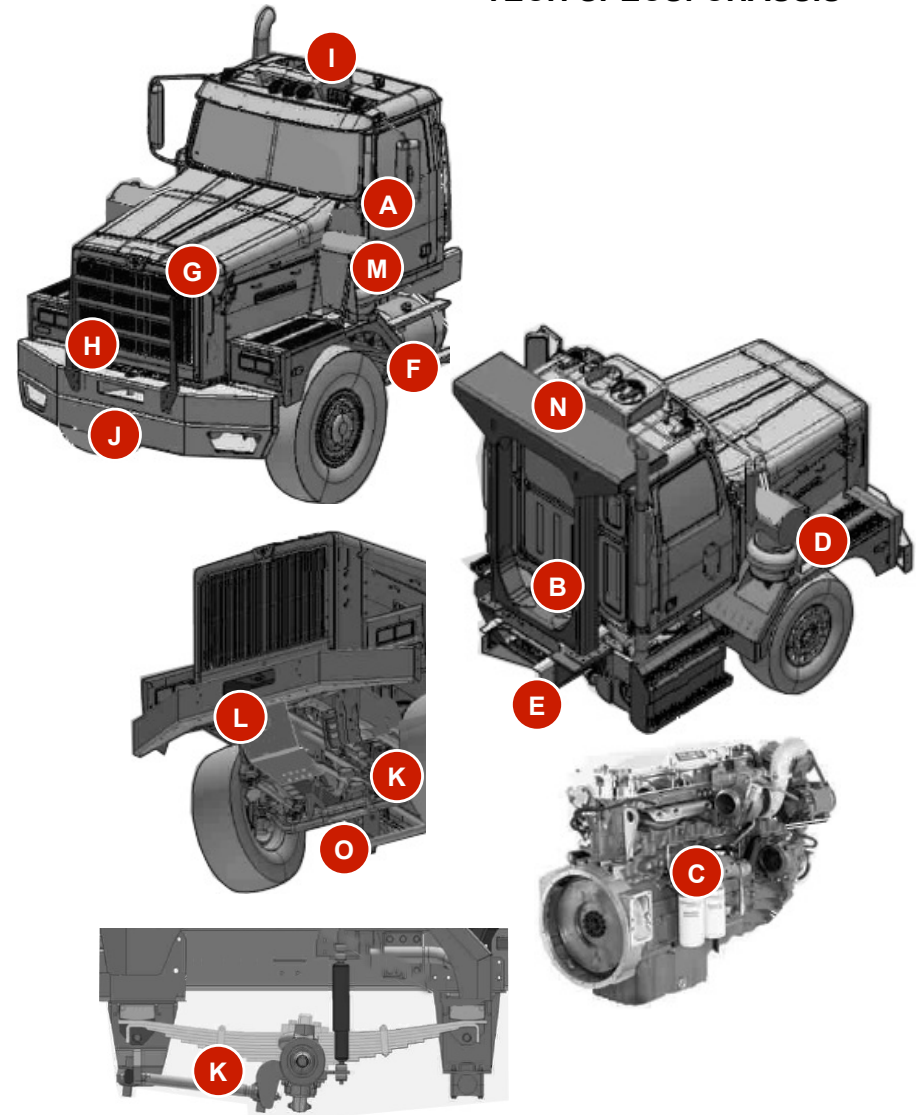
Reduces hydraulic cylinder stress upon boulder impact



WESTERN STAR 6900 – XD40 OFFROAD J&J 6X4 DYNAHAULER® 40-TON DUMP TRUCK

TECH SPECS: CHASSIS

ITEM	KEY	STANDARD	OPTIONAL
A	All-steel cab with Severe Duty reinforcement package for long service life and added driver safety	•	
B	Dual heavy-duty air rear cab mounts and Extreme Duty top mount front cab crossmember provides driver comfort and cab durability	•	
C	Detroit™ Series 60® Tier III engine with no EGR or DEF system requirements available for offroad only applications eliminates exhaust regen and DEF requirements	•	
	Detroit™ DD15®/DD16® GHG 17 engine with up to 600HP and 2050 torque ratings, standard with EGR or DEF systems		•
D	Dual 14-inch Donaldson outside air cleaners	•	
	Dual Donaldson STG Donaclone™ two-stage air cleaner for maximum dust filtration and long filter life (available with butterfly hood only)		•
E	Capacity for (4) frame rails with 6.7MM RBM load capacity		•
F	Long-life steel fuel hydraulic tanks equipped with Extreme Duty heavy steel tank supports	•	
G	Steel fender butterfly hood with shock mounted radiator designed for long life and safe engine access	•	
H	Durable, extra-capacity Glacier Core copper brass radiator for durability and easy on-site field repairs	•	
I	Roof-mounted AC condenser for maximum cooling and comfort in dusty conditions	•	
J	11-inch single heavy-duty steel bumper with integral removable tow pin	•	
	22-inch double Extreme Duty steel bumper with radiator protector and integral removable tow pin		•
K	Double slipper front suspension system provides Maximum load capacity with smooth ride and handling in rough road conditions	•	
L	Rugged front skid pan for engine and transmission cooler protection	•	
M	Click to start seat belt ensure drivers are safe before moving		•
N	Certified ROPS and FOPS systems available		•
O	Chassis component skid guards to protected drive line components		•





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TECH SPECS: BODY

SPECIFICATIONS	IMPERIAL	METRIC
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WEIGHT DISTRIBUTION AND PAYLOAD – DUMP BODY

Front Axle (tare)	18,400 lb	8,346 kg
Tandem Rear Axle (tare)	32,600 lb	14 787 kg
Total Unladen Vehicle Weight	51,000 lb	23 133 kg
Available Payload Capacity	40 tons	36 tonnes
Total Laden Vehicle Weight	131,000 lb	59 420 kg

LOAD CAPACITY	Cubic Yards	Cubic Meters
Struck Capacity	26.2	20
Heaped Capacity	32.7	25

BOX DIMENSIONS	Inches	Millimeters
Length	217	5512
Width	129.5	3289
Height	57	1448

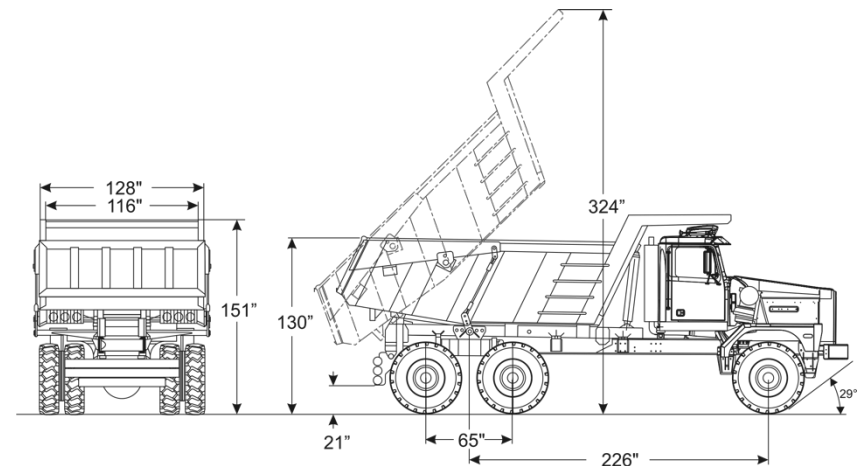
MATERIAL	Inches	Millimeters
Sides: HARDOX 450	3/8	10
Floor: HARDOX 450	1/2	13
Tailgate: HARDOX 450	3/8	10
Cab Guard: Hi-Tensile	1/4	6

SPECIFICATIONS

HOIST AND HYDRAULICS

FRONT MOUNTED SINGLE ACTING FOUR-STATE HYDRAULIC CYLINDER

Hydraulic System Flow @ 1200 ROM	38 GPM / 144 LPM
Hydraulic System Pressure	2750 PSI / 189 BAR
Body Tip	60°
Body Raise Time @ 1200 RPM	10 seconds





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OPTIONAL PACKAGES

COLD WEATHER PACKAGE

COLD WEATHER

Insulate roof, walls, floor
Diesel fuel fired heating
Hot water heating system
Heat tubes inside grease

LIGHTING PACKAGES

LIGHTING

Back up, LED stop/tail/turn
Strobe/hazard lights
12vdc floods
HID 12vdc floods

OPTIONAL PACKAGES

FILTRATION/METERING PACKAGES

FILTRATION

Fuel system in-line filter
Oil system in-line filter
Fuel system meter
Back up, LED stop/tail/turn

ADDITIONAL OPTIONS

MORE OPTIONS

Crankshaft driven main pump
Spare parts package
Environmental spill kit
Central lube system for body and chassis
DEF tank and system



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