



WESTERN STAR 6900 – XD40 OFFROAD TRACTOR
K-Line KDC402
240-Ton Powered Ore Transporter



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ALL THE PULLING POWER YOU NEED. AND THEN SOME.

Pair the power and durability of the Western Star 6900 XD40 Offroad tractor with the second engine, transmission and drivetrain in the K-Line KDC402, and you'll have enough power and torque to move more payload up steeper grades with reduced cycle times than ever before.

K-Line has the knowledge and experience to produce a contemporary product that will meet your goals, demands and performance requirements. Combined with the experience and quality of Western Star, you have the perfect partners to produce the high quality, mine-ready product you need.





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FEATURES & BENEFITS: TRACTOR

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 haul trucks with a selection of features to maximize uptime and profitability. With optional configurations including all-wheel-drive (6x6) and right-hand drive for export applications, the 6900 XD40 is a solution for nearly any worksite requirement.



FEATURES:	BENEFITS:
REDUCED MAINTENANCE TIME	
Steel, butterfly hood	Quick fluid checks and long life
Fender and air cleaner disconnect system	Quick and easy engine access
Planetary gear sets	Manage massive loads while remaining easy to work on
Available central lube and other time saving systems	Reduced maintenance time
INCREASED UPTIME	
Large copper-brass radiator	Excellent cooling and in-field reparability
Shock-mounted radiator	Reduced downtime and repairs
Point-to-point electrical system with in-cab fuse panels	Quicker diagnosis and repair
Steel chassis wiring standoffs	Quicker circuit tracing and repair



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FEATURES & BENEFITS: TRACTOR

FEATURES:	BENEFITS:
IMPROVED PROFITABILITY	
Low initial purchase price	Greater haul capacity for less investment
Up to 35 percent more fuel efficient traditional offroad haulers on distances greater than one mile	Reduced fuel costs
Stable at loaded speeds greater than 40 MPH	Faster turn times
Can be configured to haul other support trailer units	Round-the-clock operation and reduced overhead
ADDED SAFETY	
Heavy-duty driveline retarders	Handle steeper grade applications and provide operators with safe and effective braking capability that saves standard brakes for emergency use only
UNMATCHED POWER	
Detroit™ engine options	Give the tractor application the power to haul up to 70 metric tons as a single side dump trailer or up to 120 metric tons for large equipment transport applications

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FEATURES & BENEFITS: TRAILER

MORE PROFITS AND GREATER DURABILITY.

K-Line Trailers is an innovative company with over 20 years of superior equipment design and manufacturing experience. Designed to work together as one haul unit, each KDC402 train consists of: a tractor, a powered side-dump front trailer, and two non-powered side-dump trailers, and offers a number of benefits.



FEATURES:

GREATER PROFITABILITY

Powered trailer system

High-pressure tire system

Improved fuel economy

Common truck parts

BENEFITS:

Greatly improves haul efficiency and hauling capacity at a lower purchase price than standard rigged haul units of the same capacity

Lower rubber costs and longer tire wear in hauls over 2 miles

Reduced operating costs

Greater flexibility, uptime and lower operating costs per hour

IMPROVED SAFETY

Right-sized for your road conditions

Greater driver control and safety



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FEATURES & BENEFITS: AXLES

TANDEM LOW-SPEED PLANETARY:

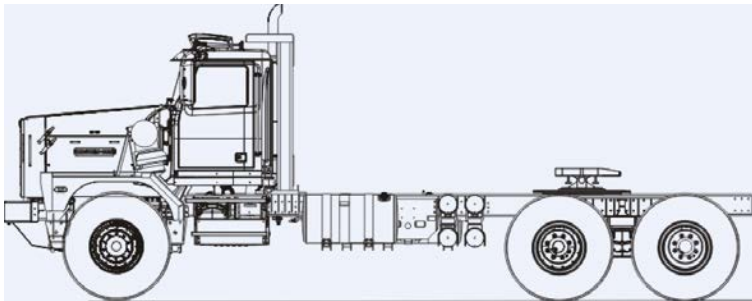
Set up for maximum traction and lower haul speeds less than 45 miles per hour.

Rugged Chalmers or Hendrickson walking beam suspensions are built for harsh environments and help keep maintenance costs low.

AxleTech SPRC1937 planetary gears sets offer heavy hauling capacity and rugged durability, as they tend to have less gear/component wear due to slower operating speeds.

Tractor units tend to get better traction with tandem axles, as more weight is applied to the ground on each tire set.

This set up is recommended for steeper grades, rough road conditions, and tight turn applications.



TRI-AXLE HIGH-SPEED PLANETARY:

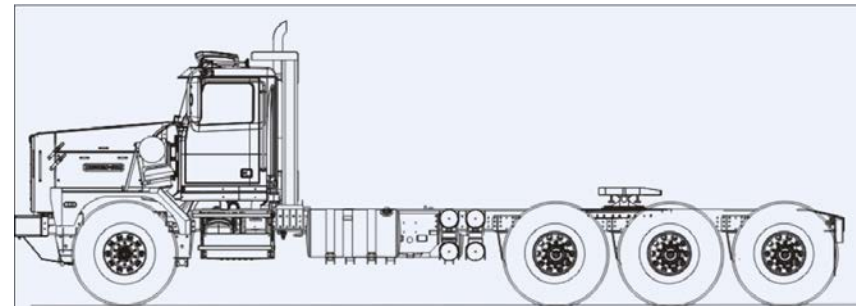
Set-up for higher speed operation on the return haul. Generally suggested for longer haul roads in excess of 20 miles, due to greater cycle times.

Neway AD-390 Air ride suspension offers a smooth stable ride, causing less wear and tear on the road surface.

SISU FR3P-48 high-speed planetary axles provide plenty of speed and create less road damage, as they evenly spread the load out over more tires.

This set-up is recommended for low-grade applications with adequate turning radius on corners to prevent wheel scrub and component stress.

High speed axles are available in a tandem axle configuration with less load capacity.



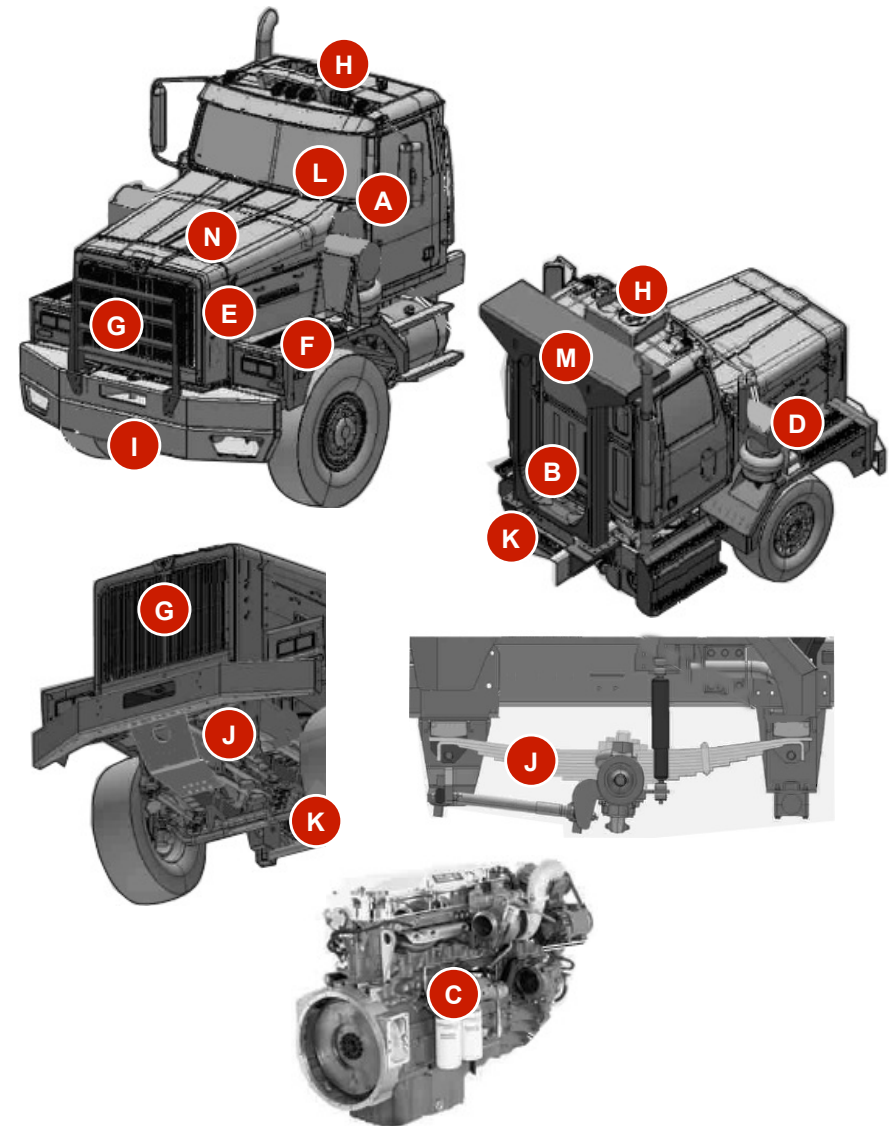


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TECH SPECS: TRACTOR

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 Donaldson STG Donaclone™ two-stage air cleaner for maximum dust filtration and long filter life (available with butterfly hood only)		•
E	Steel fender butterfly hood with shock mounted radiator designed for long life and safe engine access	•	
F	Approved safety handrails for safe driver access	•	
G	Durable, extra-capacity Glacier Core copper brass radiator for durability and easy on-site field repairs	•	
H	Roof-mounted AC condenser for maximum cooling and comfort in dusty conditions	•	
I	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		•
J	Double slipper front suspension system provides maximum load capacity with smooth ride and handling in rough road conditions	•	
K	Transmission and drive line retarders		•
L	Click to start seat belt ensure drivers are safe before moving		•
M	Certified ROPS and FOPS systems available		•
N	Engine shut down, fire suppression, backupsteering, backup radar and camera systems		•



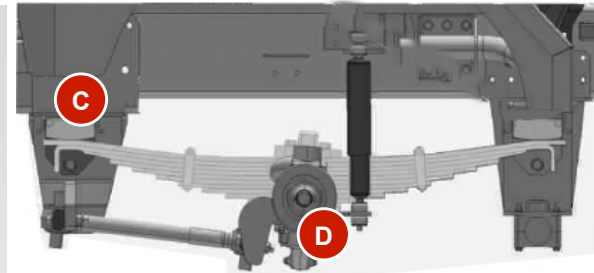
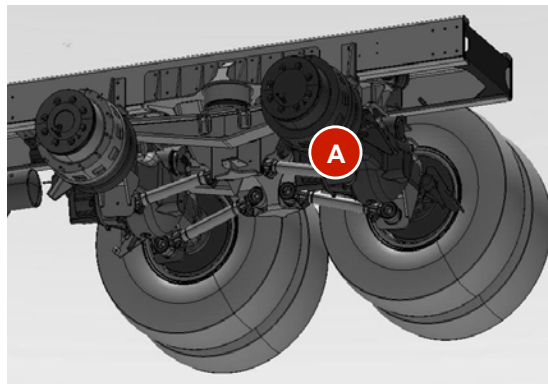
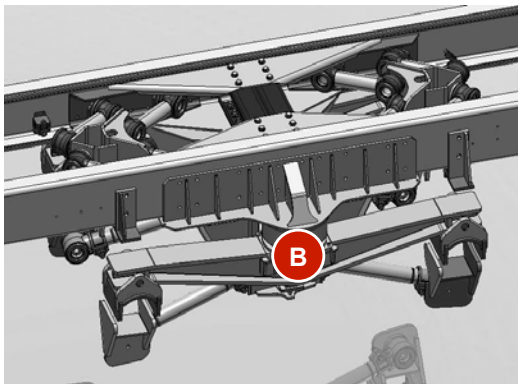
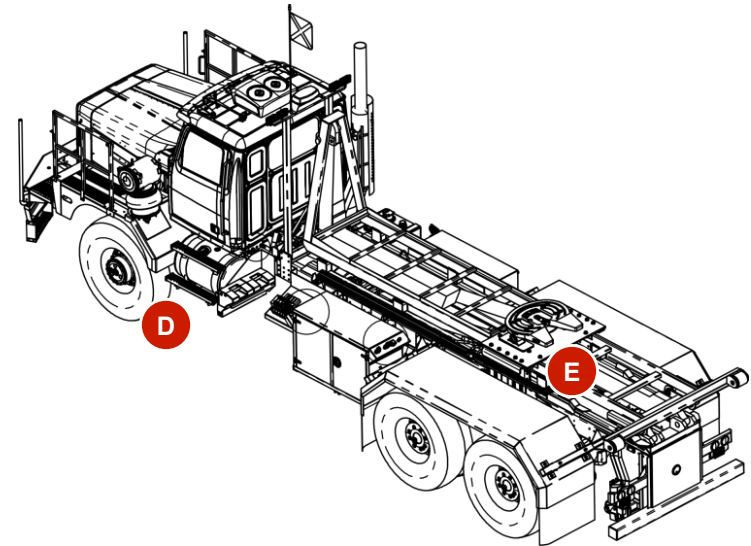


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TECH SPECS: TRACTOR

ITEM	KEY	STANDARD	OPTIONAL
A	AxleTech SPRC1937 110,000 lb planetary rear axle	•	
B	Chalmers 865 110,000 lb rear suspension	•	
	Hendrickson R1000 110,000 lb rear suspension		•
C	28,000 lb double slippered front suspension provides maximum load capacity with smooth ride and handling in rough road conditions	•	
D	AxleTech 28,000 lb planetary single front drive axle		•
	SISU 28,000 lb single front steer axle	•	
E	3/8" x 3/8" x 1/4" triple-channel frame rails for maximum load capacity	•	



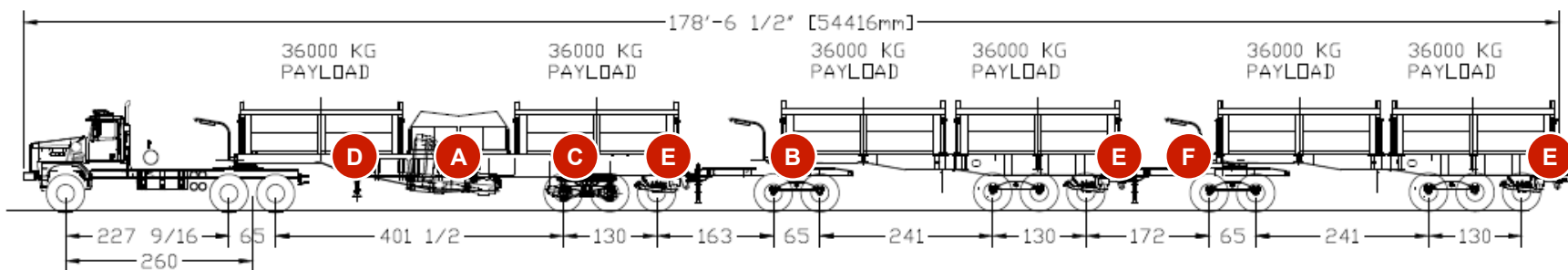


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ITEM	KEY	STANDARD	OPTIONAL
A	CAT C-15 ACERT Tier III and Allison 4800 OHS transmission	•	
B	14:00R25 Tires	•	
	Other tire sizes		•
C	AxleTech 20.5 drive axles (various planetary ratios available – must match tractor)	•	
	SISU 20.5 drive axles (various planetary ratios available – must match tractor)		•
D	150 gal / 570 l fuel tank	•	
	Two-tank fuel system for increased range		•
E	Liftable third axles for improved traction when unladen and reduced tire wear	•	
	Fixed third axles		•
F	Modular design permitting removal of trailers	•	





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TRAILER CAPACITIES		
COMPONENT	UNITS	
	IMPERIAL	METRIC
Box Volume (Struck)	30.7 cu yd	23 m ³
Box Volume (SAE Heaped)	32 cu yd	24 m ³
Box Payload (1500kg/m ³)	40 tons	36 tonnes
Train Payload	240 tons	216 tonnes
Loader Bucket Width	18 ft	5.5 m
Transporter Overall Length	178" 7'	54.4 m
Overall Width	126 in	3.2 m
Overall Length	13" 0'	4.0 m
Maximum Axle Load (Laden)	48,500 lb	22 000 kg
Dump Angle	55°	

OPTIONAL PACKAGES	STANDARD	OPTIONAL
Material Density 2500 lb/yd / 1500 kg/m ³	•	
Material Density 1400 lb/yd / 850 kg/m ³	•	
Tarp System		•
Box Liner or Low Friction Coating	•	
Box Vibrators		•
Dump to Curb Side	•	
Dump to Driver's Side		•
Wireless Remote Dump	•	



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