

	Unit	Chassis	
Model:	W900 Series Conventional.	Fr Axle Load (lbs):	13200
Type:	TRACTOR	Rr Axle Load (lbs)	46000
Description:	2017 Low Boy Bid	G.C.W. (lbs):	80000
	Application	Road Conditions:	
Intended Serv.:	Local pickup & delivery.	Class A (Highway)	90
	Vehicles which haul	Class B (Hwy/Mtn)	10
Commodity:	Heavy machinery	Class C (Off-Hwy)	00
	Body	Class D (Off-Road)	00
Type:		Maximum Grade:	6
Length (ft):	0.0	Wheelbase (in):	240
Height (ft):	0.0	Overhang (in):	65
Max Laden Weight (lbs):	0	Fr Axle to BOC (in):	100
	Trailer	Cab to Axle (in):	140
No. of Trailer Axles:	2	Cab to EOF (in):	205
Type:	Lowboy	Overall Comb. Length (in):	822
Length (ft):	48.0		
Height (ft):	13.5	Special Req.	
Kingpin Inset (in):	24	U.S. Domestic Registry, 50-State	
Corner Radius (in):	0		
	Restrictions		
Length (ft):	120		
Width (in):	102		
Height (ft):	13.5		

Description

Model

W900 Series Conventional.

Threaded steel spring pins & bushings, 16mm. fasteners from rear cab support to end-of-frame, except tractor taper crossmember. Vinyl inside sunvisors, driver side includes strap & mirror, rider side includes strap; Under-dash center console w/ 2 cup holders, 2-12V outlets & a storage compartment, Glove box door with locking latch.

W900: Straight or Sloped Hood.

N00700 Set forward front axle

Chassis operation will not include

a stationary application. Stationary operation is defined as running the engine under load while stationary at a substantial fraction of engine gross horsepower (60% or greater) for an extended period of time (longer than 5 - 10 minutes).

CARB Idle Emissions Reduction Feature.

Cummins engines.

Non-Sleeper w/rear axle capacity less than 59K.

Heavy machinery

Local pickup & delivery. Vehicles which haul

freight, typically operating within a 100-mile radius, on public streets & highways, & other paved surfaces, including limited Class C roads. Includes package & freight delivery, as well as fuel oil or petroleum distribution, etc. Road usage: minimum 3% Class B, do not code for Class D.

Lowboy

U.S. Domestic Registry, 50-State

Engine & Equipment

ISX15 500 2013 500@1800 463@2000 1650@1200

w/Inte Brake, Diagnostic Plug for data link, Oil Cooler, Aluminum Flywheel Housing. Linehaul Family 2

N01280 Wet sleeved (cylinder liners)

N09200 N205 120..Standard Maximum Speed Limit [LSL]

N09220 N207 0...Expiration Distance

N09240 P13 120..Hard Maximum Speed Limit

N09260 P14 75...Maximum Accelerator Pedal Vehicle Speed

N09280 P16 0...Accelerator Lower Droop

N09300 P19 75...Maximum Cruise Speed

N09320 P38 0...Cruise Control Lower Droop

N09360 N203 252..Reserve Speed Function Reset Distance

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Description

N09380 N202 0....Maximum Cycle Distance
N09400 N206 10...Maximum Active Distance
N09420 N201 0....Reserve Speed Limit Offset
N09440 P11 YES..Engine Protection Shutdown
N09460 P06 NO...Gear Down Protection
N09480 P26 1400.Max PTO Speed
N09500 P02 NO...Cruise Control Auto Resume
N09520 P04 NO...Auto Engine Brake in Cruise
N09540 N209 0....Expiration Distance
N09560 P520 YES..Enable Idle Shutdown Park Brake Set
N09580 P32 5....Timer Setting
N09600 P233 YES..Enable Impending Shutdown Warning
N09620 P234 60...Timer For Impending Shutdown Warning
N09640 P516 35...Engine Load Threshold
N09680 P33 NO...Idle Shutdown Manual Overrule
N09720 P230 YES..Enable Hot Ambient Automatic Overrule
N09740 P46 40...Low Ambient Temperature Threshold
N09760 P56 60...Intermediate Ambient Temperature Threshold
N09780 P47 80...High Ambient Temperature Threshold

Prospector Version 38.2

Replaces version 38.1

Effective VSL Setting 65.0 MPH (USA)

Engine Idle Shutdown Timer Disabled

Enable EIST Ambient Temp Overrule

Enable EIST in PTO Mode

Use only with MX and Cummins engines

Eff EIST NA Expiration Miles

Use only with MX and Cummins engines

Air compressor: Cummins 18.7 CFM FOR Cummins AND

PACCAR PX engines.

Air Cleaner: Dual 13 in. ERA stainless steel cowl

mounted w/Kenworth bug w/Preferred Fit Element.

Filter minder air restriction indicator mounted

on air cleaner replacing standard pop-up indicator.

Fan Hub: Horton 2-Speed for ISX15

Cooling module: W900L 1240 square inches. T660

with export engine. Includes aluminum radiator core, aluminum charge air cooler, translucent surge tank and washer bottle, silicone hoses, and extended life coolant.

N11200 Coolant protection to -34

N11210 degrees F.

Radiator bug screen mounted between hood &

grille.

RH under cab SCR w/ dual SOC mounted tailpipes.

For use w/ daycabs, extended daycabs, or modular sleepers. T660 requires split fender hood.

N12400 Includes polished stainless

N12410 steel heatshields

Description

Tailpipe: 5 in. dual 48 in. 45 degree curved.
N12900 Chrome finish

PACCAR Fuel filter/water separator, WIF sensor
Cummins PX-9/ISX12/ISX15. 2013+

Alternator: PACCAR 160 amp, brush type

Batteries: 3 PACCAR GP31 threaded post (700) 2100
CCA dual purpose.

Starter: PACCAR 12 volt electrical system. W/
centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.

Transmission & Clutch

Transmission: Fuller RTLO18918B 18-speed
w/oil cooler & pump. Standard with synthetic lubricant. Includes severe-duty pilot bearing on all class 8 models. *Torque Limit: 1850 pound-feet. N20500 1,850 input torque

Clutch: Eaton 6 paddle ceramic 1860 lb-ft
Eaton 15-1/2 in. Easy Pedal Advantage Manual adjusting clutch cover. Torque limiting clutch brake. Severe duty pilot bearing. Synthetic lubrication for Eaton Fuller transmissions & axles. Extended grease fitting. N22500 7 spring pressure plate

Kenworth Air Assisted clutch booster for
mechanical clutch linkage

Grease bank for clutch & cross shaft.

Driveline: 2 Dana 1810 heavy-duty 1 centerbearing
*Hvy duty is 1810 series.
N24000 1810HD mainshaft with 1810
N24010 interaxle driveshaft

Chassis will be fitted w/LH transmission PTO.
(PREVENTS ECU F/INTERFERING W/PTO ONLY)

Chassis will be fitted w/RH transmission PTO.
(PREVENTS ECU F/INTERFERING W/PTO ONLY)

14 in. Eaton Fuller high capacity oil to water
cooler standard for transmission 1550-2250 lb-ft, 18-speed AutoShift.

Front Axle & Equipment

Dana Spicer E-1462W Front Axle rated 14.6K
3-1/2in. drop, wide track for better turning radius.
N25000 Reverse Elliott design with
N25010 sealed tapered kingpins and
N25020 bearings

Front Brakes: 14.6K Meritor Q+ RSD S-Cam 16.5x5
in. drum brake.

Description

Front dustshield: for drum brakes:
all front axles.

Front Brake Drums: 14.6K 16.5x5 in. cast.

Front Hub: iron hub pilot 14,600 lbs.
11-1/4 in. bolt circle. For use w/ air disc brakes. Consider wheelguards
(5850002) w/ aluminum wheels.

ConMet PreSet Plus Hub package; front axle.

Hubcap: front vented.

Front Auto Slack Adjuster.

Front Springs: Taperleaf 13.2K w/ shock
absorbers. 54 inch length. Only available on W900L, threaded pins
standard.
N28600 34.5" spring centers

Single power steering gear: 13.2K TRW TAS65.

Rear Axle & Equipment

Dual Meritor RT46-164PEH rear axle rated at 46K
w/ heavy wall housing. Tandem rear axles.
N31440 Includes heavy wall housing
N31450 and internal lube pump
N31460 Includes dash mtd switch for
N31470 Power Divider w light & buzzer

Rear Axle Ratio - 3.91.

Rear Brakes, Meritor Q+ RSD-Compliant S-Cam
16.5x8.625 in. tandem axle drum brake, Max GAWR 46k.

Dual Rear Brake Drums: cast.
N33900 Outboard mounted

Dual Rear Hubs: Aluminum hub pilot 46K
11-1/4 in. bolt circle.

ConMet PreSet Plus Hub package; dual rear axle.

Dual Rear axle automatic slack adjusters.

Spring Brake: 3030 long stroke dual 30 square
inches travel; replaces standard 2-1/2 in. travel. Helps keep brakes in
adjustment longer.

Dustshields for drum brakes: all rear axles.

Bendix 6S/6M anti-lock brake system w/ air
traction control (ATC) and electronic stability program (ESP) for tractor.

Interaxle driveline:1 Dana 1710 Series

Driver Controlled Differential Lock (Crosslock)
for Meritor Axles 40K to 52K forward rear & rear rear axle. Under Speed
Interlock is standard on T680.

Rear suspension: Tandem Hendrickson Primaax EX462
46K. Steel crossmember & gussets. 54 in. axle spacing. 10 in. ride height.

Description

N37400 Includes dump valve

Tires & Wheels

Front tires: Goodyear G661 HSA 11R24.5 16PR.

43.6 in. diameter, all position. For P&D & construction vocations. 20.3 in. SLR.

Rear tires: Goodyear G572A LHD Fuel Max 11R24.5

14PR. 44.4 in. diameter. 20.8 in. SLR. Long haul or P & D drive tire. Smartway certified. Code is priced per pair of tires.

Rear Tire Quantity: 8

FR WHEEL: ALCOA 98U63 24.5X8.25 AL

Ultra ONE Wheel.

RR WHEEL: ALCOA 98U63 24.5X8.25 AL

Ultra ONE Wheel.

Rear Wheel/Rim Quantity: 8

Frame & Equipment

Frame Rails: 10-11/16 x 3-1/2 x 1/2 in. Steel to

455 in. Truck frame weight is 4.70 lb.-in. per pair of rails. Section modulus is 22.35, RBM is 2,683,000 in.-lbs per rail. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.

N60500 Includes heavy duty 3 piece

N60510 bolted crossmembers with 3

N60520 bolt gussets

Bumper: Tapered chrome steel channel. Requires a

bumper setting code.

30 in. Bumper setting. Requires a bumper code.

Removable Front Tow Hooks: 2.

Steel shackle links.

Front mudflaps.

Huck bolts throughout frame, where possible.

Short length steel parallel battery box module

under cab, aluminum integral step, polished cover. Up to 2 air tanks may mount to bottom of box. Batteries will be oriented perpendicular on rail.

Battery box location: LH Side.

W900 polished DPF/SCR or CNG cover with step.

For use w/ 2010 or later exhaust systems. For W900B/L, use extended length polished battery box on opposite rail to match the length of under cab components.

Fifth Wheel: ILS No-Tilt Air, HoI FW35N930YL00

30 in. slide, 9.00 in. height. No-tilt convertible w/ outboard mounting angles, 55K vertical rating, LH release. Air slide control valve standard in dash. Accommodates a 2 in. SAE kingpin. Requires some style of trailer connections.

Description

Customer-installed bulkhead and/or headache rack.
Frame access package recommended. Dealer contact declines.
FW rear/fixed setting ahd of bogie 0 in indicates rearmost setting measured forward from centerline of tandem or single rear axle
Rear mudflap arms: Fleetline FF30SS, tapered spring loaded & stainless steel.
Rear mudflap shields: White plastic antisail w/ Kenworth logo.
Quarter Fenders: Stainless Steel w/ Painted Steel brackets, single post mounted.
Top Flange of Rear Frame bent & welded w/ crossmember. Non-towing end-of-frame configuration.

Fuel Tanks & Equip

Fuel Tank: 100 US gallon 24.5in. aluminum BOC replace. Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck.
Fuel Tank: 75 US gallon 24.5in. aluminum BOC add. Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck. Multiple tank installations include a fuel equalization system w/ dual draw and return lines with a splitter valve located within 6 inches behind the cab. Single draw and return is an option in some cases.
Medium round DEF tank. 20.7 gallons of useable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.
Heavy-duty 7in. steel supports/straps for two 24.5in. tanks. Two supports per tank.
Polished cover for 1 DEF tank any size.
Standard DEF to fuel fill ratio: 2:1 or greater.
Anti-siphon device swaged in place. For any number of fuel tanks.
DEF tank location is on the LH.
Location: 100 gal fuel tank RH behind cab
Location: 75 gal fuel tank LH behind cab

Cab & Equipment

Description

Cab: Curved Glass Conventional.

Cab Includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection, short and open check diagnostics. Warning alarm will sound when lights are left on.
N80200 Includes flat firewall (no dog
N80210 house)

Cab door bearing blocks, top & bottom.

Hood: Extended Metton Hood w/ Grille & Shell.

Use for W900L Requires 1240 Square in. Radiator & 2007+ Engine.

Hood hinge reinforcement.

Cab heater: W/integral defrosters & A/C 45,000

btu cab heater. No sleeper heater/AC. Includes 5 mode rotary control. T660 include filter media.
N81000 Firewall mounted components

Steering wheel: 18 in. 4-spoke.

Adjustable telescoping tilt steering column.

Flip Valve: On Dash For Single Speed PTO.

Customer-Installed. Includes Indicator Light & Piping.

Auto Suspension Dump W/PTO Engagement Interlock.

This feature automatically dumps air from the truck suspension when any PTO is engaged. Required with air suspensions used on dump trucks, trailer dumps, or with no tilt fifth wheels. This allows the suspension to deflate while hoist is up and helps alleviate any imbalance that can occur with air bags inflated. Required with roll back flat bed or roll on/off with air suspensions. This allows the suspension to deflate while body is up and helps alleviate tipping and imbalance that can occur with air bags inflated. Auto air suspension dump with PTO engagement is not for use without a PTO. PTO controls must be installed by the factory.

Information for customer-installed PTO Chelsea

488/489/680/812 8-bolt.

Gauge: Axle oil temperature, dual-drive axle.

(2 gauges) w/integral warning light.

KW Driver Information Center: Includes fuel

economy, RPM display, trip information, truck information, diagnostics, gear display, alarm clock.
N82800 Includes ignition cut off
N82810 timer and Parking Brake
N82820 indicator

Description

Instrument package: Includes speedometer, tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH. Add 8240620 to switch primary scale to KPH in Canada.
N82840 Individual gauges with
N82850 chrome trim rings
N82860 Inc low air pressure light and
N82870 buzzer, high beam indicator

Cab Interior: Diamond. Includes Diamond Tufted upholstered side and back panels with accent lines, stitched upholstered diamond tufted door and carpeted kick panel, full diamond tufted vinyl headliner, button color matches primary lining color, wood grain dash panels, black rubber floor mat. Includes Kenworth NavPlus HD navigation system on 2010 or later engines.

Interior color: Slate Gray w/trim Dark Slate Gray

N83400 Includes black rubber floor
N83410 mat

Driver seat: Kenworth Air cushion Plus HB Mordura

Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6-23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted and includes a map pocket. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.

Rider seat: Kenworth Air cushion Plus HB Mordura.

Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6-23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.

Seat color: Dark Slate Gray.

CB binding posts: Located above cupholder

console. Includes one red power post & one black ground post. Wiring protected for 10 amps.

CB installation kit: Center mounted of header.

W/header mounted quick release CB mount. One red power post & one black ground post. Includes dual antenna leads located on the mirror brackets. Includes dual antenna & separate speaker.

Beverage holder between seats.

Ashtray insert: W/cigar lighter located in

center console. Deletes 1 12V outlet & 1 cupholder.

Non-self cancelling turn signal: W/column-mounted

headlight dimmer switch & intermittent wiper control.

Description

2 speed electric wipers w intermittent feature. Includes washer. Firewall mounted motor and linkage

Electric LH & RH door locks.

Kenworth TruckTech+

The Kenworth Remote Diagnostics system provides the Worlds Best reporting of engine and aftertreatment fault codes, as well as enhanced support for the truck owner through rapid communication of fault severity and recommended actions. This option is Standard on all Kenworths with an MX engine.

Long grabhandle RH side of cab.

Long grabhandle LH side of cab.

Grabhandle LH inside door frame above dash.

Grabhandle RH inside door frame above dash.

DAYLITE DOOR: LH/RH INCL RH PEEPER WINDOW

Dual rectangular air horn 26 in. LH/RH top of roof. Includes air horn covers.

Dual convex mirror 8.5 inch w/ offset mounting below regular mirror, and non-heated.

Look-Down, Pass. Door, Stainless 8.5x4.4

Mirror: Dual Moto Heated Mirrors 7 in. x 16 in.
LH Fixed, RH Remote Controlled. Switch Located On Door Pad.
N88600 Polished stainless steel
N88610 mirrors

Mirror brackets 8-1/2 ft load width.

Rear Cab Stationary Window 17 in. x 36 in.
N88700 Tinted safety glass

Electric-powered LH & RH door window lifts.
Switch located on door.

1.5in x 11.5in Plastic Records Holder Mounted On
Rear Cab Panel

One-piece windshield, w/ curved glass.
N88900 Roped in windshield
N88910 installation
N88920 Tinted safety glass

Exterior stainless steel sunvisor.
N88940 Polished

Link Cabmate suspension.
N88980 2 air bags and shock absorber

Lights & Instruments

Headlamps: Dual Rectangular, extended life
halogen

Marker Lights: Five, rectangular, LED

Turn Signal Lights: LED, mounted on fender

Description

N90300 Includes emergency flashers

LED Stop, Turn, Tail: With Two LED

Backup Lights and With An LED License Plate.

Switch & Wiring: Customer-installed beacon lights

w/ additional coiled wire to 20ft. coiled BOC.

Marker Lights: Interrupter Switch.

Included in Turn Signal For All Models Except T3. The T3 Switch Is In The Dash.

Electric Backup Alarm: Meets SAE J994 & OSHA

requirements.

Circuit Breakers: Replacing fuses. Does not

apply to any 5-amp fuse box position. Breakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.

Air Equipment

Air Dryer: Bendix AD-IS Extended Purge heated.

Moisture ejection valve w/ pull cable drain.

Tractor kit: Center frame-mounted w/ hosetenna.

Includes composite gladhand/light plug holder. Kit includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve and tractor protection valve are standard. Air lines are detachable at one end only, light lines are detachable at both ends. Conspicuity components are standard.

Phillips 15ft coiled light line w/ metal plugs

& 6 in. lead. Must code for tractor kit.

Coiled air & light lines replacing straight lines

Included in tractor kit. 15ft working length.

Nylon air tubing in frame & cab, excluding hoses

subject to excessive heat or flexing.

Trailer ABS electric supply through SAE J560

7-pin connector per TMC RP137).

Optional Hosetenna Bracket Location 2ft

BOC/sleeper. Hosetenna bracket will be located plus or minus six inches from any non-standard location requested

Extended Warranty

Standard Warranty.

Miscellaneous

GHG Secondary Manufacturer: Does Not Apply

Warning triangle reflector kit: Shipped loose.

Kit consists of 3 triangles in plastic carrying case. Not floor mounted.

Description

One 5 lb. dry chemical type fire extinguisher
mounted outboard of driver seat. Class ABC.

First year's Federal DOT inspection
complete with form and decal

Dual purpose wet line kit for dump or
low boy trailer. Includes upright aluminum tank BOC and hoses

Aluminum cab guard with window cut out

60" light bar w 2 power supplies and 8
strobes. Inc rear facing stop/turn/tail/work lights. Rack mtd

Paint

Paint color number.

N97020 A - L0225 WHITE
N97200 FRAME N0001 BLACK

Bumper Unpainted

Day Cab Standard Paint

1 - Color Paint - Day Cab

Color will be White if no other color is specified.

Base coat/clear coat.

The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.

Total Weight

18914 lb