

Vehicle Summary

Unit		Chassis	
Model:	T880 Series Conventional	Fr Axle Load (lbs):	14320
Type:	FULL TRUCK	Rr Axle Load (lbs)	40000
Description:	Upper Thompson Creek Dump Truck	G.C.W. (lbs):	80000
Application		Road Conditions:	
Intended Serv.:	Construction. Vehicles used in the construction	Class A (Highway)	87
Commodity:	Gravel/crushed rock/sand	Class B (Hwy/Mtn)	10
		Class C (Off-Hwy)	03
		Class D (Off-Road)	00
Body		Maximum Grade:	6
Type:	End dump	Wheelbase (in):	218
Length (ft):	16.0	Overhang (in):	80
Height (ft):	13.5	Fr Axle to BOC (in):	74
Max Laden Weight (lbs):	4000	Cab to Axle (in):	144
		Cab to EOF (in):	224
		Overall Comb. Length (in):	346
Trailer		Special Req.	
No. of Trailer Axles:	0	U.S. Domestic Registry, 50-State	
Type:			
Length (ft):	0.0		
Height (ft):	0.0		
Kingpin Inset (in):	0		
Corner Radius (in):	0		
Restrictions			
Length (ft):	120		
Width (in):	102		
Height (ft):	13.5		

Model	Description	Weight
	T880 Series Conventional	15,073
	T880	0
	CARB Idle Emissions Reduction Feature. Cummins engines.	0
	Non-Sleeper w/rear axle capacity less than 59K.	0
	Gravel/crushed rock/sand	0
	Construction. Vehicles used in the construction industry, other than those listed above. Use typically involves operating on the jobsite, to pick up or deliver construction materials, or to position the vehicle for its intended use at the construction site. Includes such activities as delivery of precast concrete, concrete pumers, flatbeds or roll-offs for delivery of construction materials or equipment, etc. Typically includes some operation off of paved roads. Road usage: any combination, which includes some Class C.	0
	End dump	0
	U.S. Domestic Registry, 50-State	0

Engine & Equipment

	X15 485V 2017 485@1800 449@2000 1850@1150	300
	w/Inte Brake, Diagnostic Plug for data link, Oil Cooler, Aluminum Flywheel Housing. Vocational, Performance Series	
	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	
	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 Override	
	N09720 P230 YES..Enable Hot Ambient Automatic Override	
	N09740 P46 40...Low Ambient Temperature Threshold	
	N09760 P56 60...Intermediate Ambient Temperature Threshold	
	N09780 P47 80...High Ambient Temperature Threshold	
	Prospector version 39.0	0
	Replaces version 38.2	

Effective VSL Setting NA	0
Engine Idle Shutdown Timer Disabled	0
Enable EIST Ambient Temp Override	0
Eff EIST NA Expiration Miles	0
Use only with MX and Cummins engines	
Air compressor: Cummins 18.7 CFM, Naturally	0
Aspirated for Cummins X15 engines	
Air Cleaner: composite firewall mounted PACCAR or	0
Cummins engines	
Pre-cleaner mounted in the hood plenum	0
Fan Hub: Horton 2-Speed for X15	0
Cooling module: 1330 square inches.	0
Includes aluminum radiator core, aluminum charge air cooler, translucent surge tank and washer bottle, silicone hoses, and extended life coolant.	
Radiator bug screen mounted between hood & grille.	2
EXH: RH UNDER DPF/SCR W/ RH SIDE OF CAB VERTICAL	0
TAILPIPE WITH DAYCABS, EXTENDED DAYCABS, OR MODULAR SLEEPERS, 2017 EPA	
Tailpipe: 5 in. single 30 in. 45 degree curved.	-1
Single Lower Chrome Exhaust Elbow	0
Fuel Filter:PACCAR Standard Service Interval	0
Fuel/Water Separator. 2017 Emissions	
Run Aid:None	0
*For Fuel Filter	
Start Aid:12V Heat	1
*For Fuel Filter	
Kenworth Fuel Cooler	6
Required for Cummins engines with a single fuel tank. Required for PACCAR MX-13 engine with a single fuel tank and stationary use: High RPM, low vehicle speed, sustained for longer than 1 hour. Optional for all other applications.	
Immersion block heater 120V 1500W w/plug under door on C500, T660, T800 & W900.	2
Alternator: PACCAR 160 amp, brush type	0
Batteries: 4 PACCAR GP31 threaded post (700) 2800	57
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.	0
Battery disconnect switches 2, mounted on battery box.	2
Decline Driver Performance Assistant (DPA)	0
Transmission & Clutch	
Forward Creep Mode Enabled	0
Reverse Creep Mode Enabled	0
Transmission:Eaton FO18E318B-MXP UltraShift Plus	179
18-speed w/Hill Start Aid feature. Standard with synthetic lubricant. This product should be used for heavy loads operating primarily on highway. C500, T660, T800 & W900 models utilize a cobrahead shift lever. *Torque Limit: 1850 pound-feet.	
Clutch:UltraShift Plus OR Fuller Advantage Series	0
Automated transmissions.	
Driveline: 2 Dana SPL250XL 1 centerbearing	95
requires 3500057 interaxle driveline. Low maintenance offering from Spicer. On-highway 350K mi first service interval, 100K mi subsequent service interval on U-joint, splines lubed for life for life, quick disconnect end caps.	
AutoShift/UltraShift cobrahead control Integrated into dash.	0
Eaton Shift Cal: ECONOMY (3)	0

First Transmission PTO compatibility -	0
Chelsea 230/236/238/442/489/660/680-V3 or Muncie CS8/SH8/TG8S-P1 bottom mounted 6 or 8-Bolt PTO's for all Eaton transmissions. This application includes use of the standard hydraulic clutch actuator on Eaton FR & RT transmissions and supports bottom mounted 6 and 8-Bolt PTO's with single acting air actuation.	
Rear transmission support springs for	0
transmission PTO applications are required to ensure that engine flywheel housings are not overloaded when transmission PTO's are installed.	
First customer installed Eaton transmission PTO.	0
14 in. Eaton Fuller high capacity oil to water	0
cooler standard for transmission 1550-2250 lb-ft, 18-speed AutoShift.	
07/01/16 List Credit for code 2406453	0
2 Dana SPL250XL D/L W/1 C/B	
Aluminum clutch housing	0
Front Axle & Equipment	
Dana Spicer E-1462W Front Axle rated 14.6K	50
3-1/2in. drop, wide track for better turning radius.	
Front Brakes: 14.6K Bendix air disc brakes lube	0
free.	
Splined rotor for front air disc brakes for use	0
with aluminum hubs.	
Front Hub: 14,600 lbs. aluminum hub pilot	0
10-bolt, 11-1/4 in. bolt circle .	
ConMet PreSet Plus Hub package; front axle.	0
Hubcap: front vented.	0
Slack Adjusters included w/ front axle or brake.	0
Front Springs Taperleaf 14.6K w/shock absorbers	25
2-leaf. With maintenance-free elastomer spring pin bushings. Standard with rubber pins. Not available on W900L or W900S.	
Single power steering gear: 16K TRW TAS85	18
W9B available, but not available W9S, W9L or T3.	
Threaded bushings for taperleaf springs	0
12K - 14.6K replacing rubber: T6/T8 & W9B only. W9L gets as standard: code not required. Not available with W9S.	
Rear Axle & Equipment	
Dual Dana Spicer DSH40P rear axle rated at 40K	92
w/ 11mm housing and 1.81in. shaft diameter. Includes pump. Tandem rear axles.	
Rear Axle Ratio - 3.70.	0
Dual Rear Brakes 16-1/2x7 in. to 46K;	0
Bendix ES-extended service S-cam.	
RR BRK DRUM: TRUTURN LITE 16.5x7 DUAL	-26
Longer studs for aluminum wheels w/ steel hub	6
pilot wheels.	
Dual Rear Hubs: Aluminum hub pilot 46K	0
11-1/4 in. bolt circle.	
ConMet PreSet Plus Hub package; dual rear axle.	0
Dual Rear axle automatic slack adjusters.	0
Spring Brake: 3030 high output dual.	0
Bendix 4S/4M anti-lock brake system w/ air	2
traction control (ATC).	
Interaxle driveline 1 Dana SPL170XL	-4
Tapered axle shaft holes.	0
Wheel Differential Lock for Dana Spicer axles	37
DSP40/DSP41(P)/DSH40(P)/DSH44(P)/D40-155 forward rear axle & rear rear. Under Speed Interlock is standard on T680.	
Separate switch for dual axles:	0
differential lock or crosslock.	
Rear suspension: Tandem Hendrickson Primaax EX462	86

46K. Steel crossmember & gussets. 54 in. axle spacing. 10 in. ride height.

Track rods: heavy duty for Hendrickson Primaax
EX tandem. Replaces standard duty track rods.

37

Tires & Wheels

Front tires: Bridgestone R268ECOPIA 11R24.5 16PR.

36

43.5 in. diameter all position. Side wall protector bar. 20.3 in. SLR. For P&D & construction vocations.

Rear tires: Bridgestone M770 11R24.5 14PR.

208

44.2 in. diameter, all position. 20.6 in. SLR. Code is priced per pair of tires.

Rear Tire Quantity: 8

0

Front wheel: Accuride 28827 24.5x8.25 steel

36

Steel Armor[TM] powder coat, hub pilot mount. 8000lb. maximum rating. 2-hand hole.

Rear wheel: Accuride 28827 24.5x8.25 steel

144

Steel Armor[TM] powder coat, hub pilot mount. 8000lb. maximum rating. 2-hand hole. Code is priced per pair of wheels.

Powder coat white steel wheel. Use in conjunction

0

with front, dual front, rear, spare or lift axle wheel code(s). All wheels on chassis must have same finish color.

Rear Wheel/Rim Quantity: 8

0

Frame & Equipment

Frame Rails: 10-3/4 x 3-1/2 x 3/8in. Steel 285in.

414

to 336 in. Truck frame weight is 3.48 lb.-in. per pair of rails. Section modulus is 17.80, RBM is 2,132,000 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.

Bumper: Tapered chrome steel channel. Requires a bumper setting code.

63

48.5 in. Bumper setting. Requires a bumper code.

0

Front tow hook: Center mounted, cast.

28

Requires iron front drive brackets.

Brackets: Iron front spring drive. Included with

47

front spring capacity of 16,000 lbs or greater; code not required.

Battery box module: Short length aluminum

0

parallel under cab, aluminum diamond plate cover w/ step. Up to 2 air tanks may mount to bottom of box. Batteries will be oriented perpendicular on rail.

Battery box location: LH Side.

0

T470,C5, T6, T8 non-polished DPF/SCR or CNG cover

0

diamond plate w/ step. For use w/ 2010 or later exhaust systems. For T8, use extended length non-polished battery box on opposite rail to match the length of under cab components.

Heavy-duty BOC crossmember assembly.

23

2013 EPA Emissions Diesel or Gas Engine

0

Rear mudflap arms: Betts B-25 standard-duty,

0

straight. Includes B1732 mounting brackets as standard.

Rear mudflap shields: White plastic antisail w/

0

Kenworth logo.

Square end-of-frame w/ o crossmember; non-towing.

0

Fuel Tanks & Equip

Fuel Tank: 100 US gallon 22in. aluminum BOC

0

replace. Class 8 fuel tank includes an anti-siphon device on the filler neck.

Small round DEF tank. 11 gallons of

0

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.

Polished cover for 1 DEF tank any size.	3
Mechanical anti-roll channel for one tank.	6
Polished stainless steel tank straps for 1 tank.	0
Standard DEF to fuel fill ratio: 2:1 or greater.	0
Anti-siphon device swaged in place.	0
For any number of fuel tanks.	
DEF tank location is on the LH.	0
Location: 100 gal fuel tank LH behind cab	0

Cab & Equipment

Cab: Stamped aluminum cab with panoramic curved	0
glass windshield. Standard with stamped aluminum doors, heavy duty in-swinging hinges, and triple sealed doors. Manufactured using self-piercing rivets and structural adhesive. Includes LED exterior marker lights and turn signals.	
Hood: T880 Standard Length With Mechanically	15
Fastened Fenders. 122.6 inch BBC.	
Fine particulate filter for cabin air HVAC	0
system. To provide extra filtration in high dust applications. Cabin airflow is reduced with this additional filter. *Cannot be used with code 8108003.	
Cab HVAC - Day Cab and 40in Sleeper	0
System With Defrost, A/C, and 48,000 BTU/hr Heater. Includes automatic temperature control with one touch defrost operation and dash mounted cab temperature and solar intensity sensors. Pleated fresh air filter and cabin recirculation air filter standard. The Kenworth HVAC system is designed to provide optimal heating and cooling in all operating environments without need for additional insulation. Cab HVAC without sleeper heater AC is available with 40in sleeper.	
Shutoff Valves to Isolate Primary Heater	0
Remote mounted on frame under cab.	
Steering wheel: 18 in. 4-spoke.	0
Adjustable telescoping tilt steering column.	0
5 sets of keys. Replaces standard 2 sets of keys.	0
Off-highway dash switch: For ABS system. Includes	0
indicator light.	
Auto Suspension Dump W/PTO Engagement Interlock.	2
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.	
Dash Switch: 1st Single-Acting Eaton-mntd PTO.	0
Electric switch, wiring, software, air solenoids, and plumbing are factory-installed to control the 1st Eaton (single-acting) trans PTO.	
Two spare switches: Wired to power.	0
Gauge: Dash mounted air filter restriction gauge.	0
Gauge: Air suspension pressure gauge.	0
Gauge: Engine Oil Temperature Gauge With Integral	0
warning light. The NavPlus HD unit includes a virtual engine oil temperature gauge.	
Gauge: Fuel filter restriction gauge.	0
Gauge: Manifold Pressure Gauge.	0
The NavPlus HD unit includes a virtual manifold pressure gauge.	
Gauge: Axle oil temperature, dual-drive axle.	0
(2 gauges) w/integral warning light.	
Kenworth Driver Performance Center: 5in Full Color	0
high resolution Thin Film Transistor (TFT) active matrix display with advanced driver information including fuel economy performance,	

outside air temp, clock, odometer and trip, engine hour meter, ignition timer, engine RPM, general truck information, diagnostics, and gear display. All Highline functionality is accessed via the Kenworth MCS providing intuitive control at the driver's fingertips. Also includes Dark Cabin functionality. When activated, the only interior light that will function when a door is opened is the door courtesy lamp.

Kenworth instrumentation and control package with	0
9 standard easy-read gauges: includes speedometer, tachometer, fuel gauge, engine coolant temp, engine oil pressure, voltmeter, dual air pressure, air application pressure and DEF gauge. All accessory controls utilize electronically activated solenoids that include advanced vehicle protection interlocks.	
Interior color: Slate Gray	0
Interior package: Vantage daycab	0
Includes durable headliner and vinyl sidewalls with geometric patterned trim and anodized aluminum accents throughout. Convenient overhead storage cubbies, full size glove box, two center console cupholders, and large door pad map pocket. Standard LH/RH power windows, electric door locks, interior LED lighting, nighttime-friendly red ambient lighting for dash and footwell, and door mounted courtesy light. Includes two standard 12V power outlets. Driver sunvisor includes strap.	
Rubber floormat	0
DR Seat: GT702 HB with DuraSupreme material.	10
The GT702 is standard with a single air bag, scissor linkage seat suspension that incorporates seat height memory, auto-leveling valves with exit air dump, and adjustable damper. It includes a dual chamber lumbar support, 10in Fore/Aft adjustment, 5in Up/Down adjustment with protection zones, 2.5in pan extension, 51 degree seat back recline, and 16 degree full seat tilt. Includes 3-point matching seat belts. DR seat standard w/ dual armrests.	
RD Seat: GT100 Toolbox HB with DuraSupreme	0
Material. The GT100 seats are standard with fixed base. Includes 3-point matching seat belts. RD seat standard w/ LH armrest.	
Seat color: Slate Gray with Gray stitching.	0
Driver and Rider Seat Belts: Orange Seat Belts.	0
Replacing standard color.	
Kenworth Radio with AM/FM/WB/CD/USB and Bluetooth	4
CB Radio: Cobra 29. W/header mounted quick	11
release. Includes transceiver & separate speaker remote-mounted in headliner & dual CB antennas. Includes sound tracker & illuminated panel.	
Base Level Audio System - Daycab:High Performance	2
Door Speakers.	
Non-self cancelling turn signal: W/column-mounted	0
headlight dimmer switch & intermittent wiper control.	
Stainless steel permit panel on cab, driver side	0
only	
Kenworth TruckTech+	0
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.	
Grabhandle: LH, Exterior, Side of Cab - Ergonomic	3
Grab Handle Mounted To The Left Hand Exterior Of The Cab For Entry and Exit.	
Dual Cab Interior Grabhandles: A Pillar Mounted	0
Dash Wrap and B Pillar Mounted Grabhandles	
Kenworth Daylite Door with standard LH/RH	0
electric door locks and LH/RH electric window controls.	
Dual rectangular air horn 23 in. LH & RH top of	4
roof. Includes air horn covers.	
Look-Down, Pass. Door, Black 11x6	0
Aero Mirror: Dual Kenworth Chrome Aero. Motorized	0
Heated Mirrors, 7in X 13in With Chrome Mirror Shell and Black Mirror	

Arms. Also Includes LH/RH Heated 6in X 7in Convex Mirrors. Mirror Brackets Set For 8-1/2 ft Load Width. Mirror Controls Located On Driver Side Door Pad.

Rear cab stationary window 19in x 36in	0
Aluminum records holder: Mounted on Toolbox or Utility box seat base.	2
One-piece bonded-in windshield with curved glass. Standard.	0
Exterior stainless steel sunvisor.	19
Fender close-out: Below headlamp, behind bumper. *NOT available with 3-piece bumper.	0
Kenworth Cab/Sleeper Air Suspension.	0
Extreme Temperature Insulation: Daycab Additional cab side wall insulation with improved material properties over standard insulation package.	0

Lights & Instruments

Headlamps: SAE Dual Halogen Complex Reflector	0
Marker Lights: Five, rectangular, LED	0
Turn Signal Lights: Flush mounted LED mounted at top of fender wheel arc	0
LED Stop, Turn, Tail: With Two LED Backup Lights and With An LED License Plate.	0
Dual Flush Floodlights: First set.	2
Floodlight Location: Located low - first set.	0
Trailer Marker Lights w/ Separate Switch	0
Marker Lights: Interrupter Switch. Included in Turn Signal For All Models Except T3. The T3 Switch Is In The Dash.	0
Electric Backup Alarm: Meets SAE J994 & OSHA requirements.	4
Polyswitches replacing fuses. Switch will automatically reset after removal of excess load.	0

Air Equipment

Air Dryer Bendix AD-1S heated Puraguard	0
Moisture ejection valve w/ pull cable drain.	0
Full truck kit: Gladhands mounted at end-of-frame. Seven-way female receptacle mounted at end-of-frame in taillamp bracket. Kit includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve, tractor protection valve, and spring brake inversion/relay valves are standard.	15
Nylon air tubing in frame & cab, excluding hoses subject to excessive heat or flexing.	0
Trailer ABS electric supply through SAE J560 7-pin connector per TMC RP137).	0

Extended Warranty

Standard Warranty.	0
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Miscellaneous

Specify Ship Destination by Narrative.	0
GHG Secondary Manufacturer: Does Not Apply	0
Warning triangle reflector kit: Shipped loose. Kit consists of 3 triangles in plastic carrying case. Not floor mounted.	4
One 5 lb. dry chemical type fire extinguisher mounted inboard of driver seat. Class ABC.	11

Paint

Paint color number,	0
N97020 A - L0006 WHITE	
N97200 FRAME N0001 BLACK	

Bumper Unpainted	0
Day Cab Standard Paint	0
1 - Color Paint - Day Cab	0
Color will be White if no other color is specified.	
Base coat/clear coat.	0
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 17155 lb

Prices and Specifications Subject to Change Without Notice.

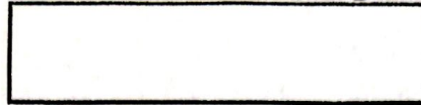
Unpublished options may require review/approval.

Dimensional and performance data for unpublished options may vary from that displayed in PROSPECTOR.

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Effective Date:	Jan 1, 2017		Quote/DTPO/CO:	Q54652522
Prepared by:	ID: gperatt		Version Number:	39.00

I-W-S

Manufacturing
Fabrication
Construction



Trailer Service and Repair

Crane Service
ASME Code * U&S

INVOICE NO.
NBBI-R

S	MHC Kenworth	S	
O		H	
L	7007 Sandown Road	I	
D		P	
T	Denver, Co 80216	T	
O		O	

CUSTOMER'S ORDER NO		SOLD BY	CASH	CHARGE	ON ACCT	MDSE RETD	PAID OUT	DATE REC'D OR DELIVERED		INVOICE DATE		
										06/21/16		
QUANTITY	DESCRIPTION							LIST	NET	UNIT	CODE	AMOUNT
1	Model - 16 - Elliptical Rock Box											
	Serial No. - 16ERB 16 -0330											
	Hi-Lift Gate											
	Tarp arm Bracket											
	Spread Apron											
	Tarp System											
	Muncie pump, cont console, tank											
	150" Custom Hoist Inverted Cylinder											
	Pintle Plate and Hook											
	Installation of Muncie "Wet Kit"											
	Installation of Lights, Wire, Air Lines, Cylinders											
	Installation of Ladders, Cab Shield											
	Installation of Tarp											
	Installation of Box and Paint											
	Installation of Pintle											
	Installed on hj155918 KW 16											