



RIHM KENWORTH - WINONA (R207)
 6830 MARTINA ROAD
 MINNESOTA CITY, Minnesota 55959

RED BOX
 170 W CIRCLE DR
 ST CHARLES, Minnesota 55972
 United States of America

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Vehicle Summary

	Unit		Chassis	
Model:	T480 Series Conventional	Fr Axle Load (lbs):		20000
Type:	FULL TRUCK	Rr Axle Load (lbs):		46000
Description 1:	T480 Baby 8	G.C.W. (lbs):		66000
Description 2:	Clone of Chassis 365002 T480 Series Conventional			
	Application	Road Conditions:		
Intended Serv.:	Local Pickup & Delivery: Vehicles which	Class A (Highway)		90
Commodity:	Other Building Materials	Class B (Hwy/Mtn)		10
	Body	Class C (Off-Hwy)		0
Type:	Roll Back Flatbed	Class D (Off-Road)		0
Length (ft):	20	Maximum Grade:		6
Height (ft):	13	Wheelbase (in):		254
Max Laden Weight (lbs):	4000	Overhang (in):		72
		Fr Axle to BOC (in):		69.5
		Cab to Axle (in):		184.5
	Trailer	Cab to EOF (in):		256.5
No. of Trailer Axles:	0	Overall Comb. Length (in):		366
Type:				
Length (ft):	0			
Height (ft):	0	Special Req.		
Kingpin Inset (in):	0	U.S. Domestic Registry, 50-state.		
Corner Radius (in):	0			
	Restrictions			
Length (ft):	75			
Width (in):	102			
Height (ft):	13.5			

Approved by: _____

Date: _____

Note: All sales are F.O.B. designated plant of manufacture.

<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
Model		
S	T480 Series Conventional	10,386
O	T480 Aero Hood	0
O	CARB Clean Idle Label - PACCAR PX Engines	0
O	CARB Low NOX Omnibus Registration Guidelines Dealer/Customer acknowledges that this vehicle is NOT intended for registration or domicile/primary use in the State of California.	0
O	EPA Clean Idle Label - PACCAR PX Engines	0
O	T480 Tandem	0
O	State of Registry: Minnesota	0
Engine & Equipment		
O	PACCAR PX-9 370 370@1600 1250@1200, 2024 With Turbo Exhaust Brake (VGT Brake) N09420 C333 0.....Reserve Speed Limit Offset (N09380 C334 0.....Maximum Cycle Distance (C334 N09360 C400 252...Reserve Speed Function Reset N09200 C399 100...Standard Maximum Speed Limit N09400 C401 10....Maximum Active Distance (C40 N09220 C402 0.....Expiration Distance (C402) N09540 C395 0.....Expiration Distance (C395) N09260 C121 64....Max Vehicle Speed in Top Gea N09440 C234 NO....Engine Protection Shtdwn N09460 C231 NO....Gear Down Protection N09580 C133 5.....Idle Shtdwn Time N09680 C233 NO....Idle Shtdwn Override N09480 C132 1400..Max PTO Speed N09300 C128 64....Max Cruise Control Speed N09500 C239 NO....Cruise Control Auto Resume N09520 C238 NO....Auto Engine Brake in Cruise N09780 C190 80....High Ambient Temperature Thr N09740 C188 40....Low Ambient Temperature Thre N09760 C189 60....Intermediate Ambient Tempera N09720 C382 YES...Enable Hot Ambient Automatic N09600 C396 YES...Enable Impending Shutdown Wa N09620 C397 60....Timer For Impending Shutdown N09640 C206 35....Engine Load Threshold N09560 C225 NO....Enable Idle Shutdown Park Br	0
O	CARB Emissions Warranty Engine	0
S	PremierSpec	0
O	Gearing Analysis: Balance	0

Price Level: January 1, 2024

100% Complete

Date: December 29, 2024

Deal: T480 Baby 8

Quote Number: QUO-1074673-Q0D8R7

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<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
	power/economy blend results.	
O	Customer's Typical Operating Spd: 64 MPH	0
	RegistrationYear Year of Registration: 2025	0
O	Effective VSL Setting NA	0
O	Engine Idle Shutdown Timer Disabled	0
O	Eff EIST NA Expiration Miles Use only with MX and Cummins engines	0
S	Air Compressor: Cummins 18.7 CFM For Cummins And PACCAR PX engines.	0
S	Air Cleaner: MD Composite Engine Mounted	0
S	Air Restriction Indicator: Mechanical Mounted on Air Cleaner.	0
O	Pre-Cleaner Mounted in the Hood Plenum	7
S	Fan Hub: Horton On/Off for PX-9 or L9N	0
S	Cooling Module: 2.1M MD - Aero Hood 1000 Square Inches	0
S	EXH: Single Can 2024 RH Under with RH Horizontal Tailpipe Below Rail	0
S	Fuel Filter: PACCAR 2.1M MD for PX-7 or PX-9 Fuel/water separator for 2021 and later engines.	0
S	Run Aid:None *For Fuel Filter	0
S	Start Aid:None *For Fuel Filter	0
O	Kenworth Fuel Cooler 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.	0
O	Block Heater: PACCAR 750 watt 120V for PX-7 and B6.7N. 1000 watt for PX-9 and ISL9 Engines.	2
O	Alternator: SEG 200 amp, Brush Type Formerly Bosch.	0
O	Batteries: 3 PACCAR GP31 Threaded Post (700-730) 2100-2190 CCA dual purpose.	62
S	Mitsubishi 105P55 12V Starter with Cummins and PX 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. Only for Cummins or PX engines.	0
S	12V Low Voltage Disconnect for Battery Protection	0

<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
O	Cab Power Cutoff SW on Cab Floor NFPA Compliant - Engine Shut off. Includes gauge.	2
O	Jump Start Terminals Under Hood.	0
O	Remote PTO/Throttle, 12-Pin, Engine Bay Remote Control Provision	0

Transmission & Clutch

O	Transmission: Allison 3000RDS 6-speed, With PTO drive gear. 6th Generation controls. Includes heat exchanger & oil level sensor. Rugged Duty Series for vocational applications. Requires a push button shift control code. Oil temperature gauge is standard on class 8 models. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 & 4000 series transmissions.	399
O	Driveline: 3 SPL170SF With 2 Centerbearings	100
O	Two Heavy-Duty One-Piece Aluminum Crossmembers This option upgrades existing crossmembers. The cost does not include the centerbearing and bracket. Crossmember locations will be in accordance with Kenworth engineering standards, using the major components specified on the DTPO.	0
O	Torque Converter Included W/ Allison Transmission.	0
O	Left Hand PTO Access, Right Hand Dip Stick Tube Allison 3000 series only.	0
O	Push Button Shifter Controls, Center Console Mounted for Allison Transmission. 2.1m Medium Duty only.	0
O	J1939 Park Brake Auto Neutral	0
O	Allison Neutral at Stop	0
O	Allison Fuel Sense: Dynactive Includes Dynamic Shift Sensing	0
O	Rear Transmission Support Springs for transmission PTO applications are required to ensure that engine flywheel housings are not overloaded when transmission PTO's are installed.	0
O	Customer Installed Transmission PTO in the LH Mounted position (8 o'clock) for Allison 3000 & 4000 transmissions.	0
O	Supplemental Allison Oil to Water Trans Cooler	16

Front Axle & Equipment

O	PACCAR FX-20 Front Axle rated at 20K 4" drop wide track	169
O	Front Brakes: 20K Meritor Q-Plus 16.5x6 in.	-38
O	Front Brake Drum: 20K Meritor X30 light weight 16.5x6 in.	-8
O	Front Hubs Iron Hub Pilot 20,000 lbs. 10 Bolt	80

Std/ Opt	Description	Weight
	16.5x6in. or 7in. or air disc brakes. 10 Bolt, 11-1/4 in. bolt circle. Consider Wheelguards (5850002) with aluminum wheels.	
S	ConMet PreSet Plus Hub Package; Front Axle.	0
S	Hubcap: Front Vented.	0
S	Front Auto Slack Adjuster for Drum Brakes.	0
O	Front Springs: Taperleaf 20K W/ Shock Absorbers w/ maintenance-free elastomer spring pin bushings.	99
O	Dual Power Steering Gears: 18/20K	75
O	Power Steering Cooler:Radiator Mounted Air-to-Oil	11
O	60 mm Front Suspension Spacer Block	0
Rear Axle & Equipment		
O	Dual Meritor RT46-160P Rear Axle rated at 46K. Tandem rear axles. With pump	2,442
O	Rear Axle Ratio - 5.38.	0
O	Dual Rear Brakes 16-1/2x7 in. to 46K; Meritor Q- plus-extended service S-cam.	16
O	Dual Rear Brake Drums: Cast. For use with 16.5X7" or 16.5X8.625" brake.	0
O	Dual Rear Hubs: Aluminum Hub Pilot 46K; 11.25" bolt circle. Requires "R" series outer ends.	0
O	ConMet PreSet Plus Hub Package; Dual Rear Axle.	0
O	Tandem Rear Axle Automatic Slack Adjusters. For use with drum brakes.	0
O	Spring Brake: 3030 Long Stroke Dual 30 Square inches travel. For drum brakes. Helps keep brakes in adjustment longer.	4
O	Bendix 4S/4M Anti-Lock Brake System W/ Air traction control (ATC).	2
O	Interaxle Driveline: 1 Dana SPL170SF Not For Tridem Axles.	96
O	Driver Controlled Differential Lock (Crosslock) for Meritor Axles 40K to 52K forward rear & rear rear axle. Under Speed Interlock is standard on T680.	39
O	Tandem Hendrickson HAULMAAX EX (HMX) 460 46K. 54 in. axle spacing, 16.5 in. saddle height. With shocks, track rods and rubber bolster bushings. Unladen Height: 11.5 in. Laden Height: 9.5 in.	482
Tires & Wheels		
O	Front Tires: Michelin XZUS2 315/80R22.5 20PR 42.8 in. Diameter, All Position.. 19.8 in. SLR.	98
O	Rear Tires: Michelin X Works Z 11R22.5 16PR	168

<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
O	Rear Tire Quantity: 8	0
O	Front Wheel: Alcoa 89U63 22.5X9 AL Ultra One High Polish Wheel.	-39
O	Rear Wheel: Alcoa ULA18 22.5x8.25 MagnaForce aluminum alloy, hub-pilot mount. 7400lb maximum rating. Air Disc Brake compatible. High polish.	-204
O	Single Front Axle: 2 Polished Wheels. Mirror polished outboard surface of aluminum wheels.	0
O	Dual Rear Axle: 4 Mirror Polish Wheels. outboard surface of outer dual or single aluminum wheels.	0
O	Rear Wheel/Rim Quantity: 8	0
Frame & Equipment		
O	Frame Rails: 10-3/4 x 3-1/2 x 3/8in. Steel 337in. to 416 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.	450
O	Full Steel Insert: for 10-5/8 in. or 10-3/4 in. Steel 337 in. to 416 in. or 2nd insert for 11-5/8 in. steel frame. Adds 1,149,000 in-lb to main rail RBM. Truck insert weight is 2.05 lb.-in. per pair of rails. Full frame insert length is equal to wheelbase plus rear frame cutoff plus dimension forward of front axle by model. See databook addendum section 7.2.	723
O	Bumper: Aerodynamic Chrome Steel. Requires a bumper setting code.	68
S	40 in. Bumper Setting. Requires a Bumper Code.	0
S	Front Tow Loops: Two	0
O	Custom Frame Layout: One Chassis CFL BBX: SIMILAR LAYOUT AS 343496 CFL FT: NEED FOR FOR CLEAR FRAME	0
O	Battery Box Cantilever Aluminum BOC with Smooth natural finish aluminum cover.	19
S	Battery Box Location: LH Side.	0
S	DPF/SCR Box Natural End Plates and Natural cover.	0
S	Heavy-Duty One-PC Aluminum Intermediate/ Fill-In crossmember.	0
O	Heavy-Duty 5-Piece Rear Cab Support, Bolted assembly. Huck fastened to frame.	0
O	Final End-of-Frame Cut-Off Dimension Will be	0

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<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
	modified to 66 in. to 74 in.	
S	Square End-of-Frame W/O Crossmember; Non-Towing.	0
Fuel Tanks & Equip		
O	50 US Gallon D-Shape Rectangular Aluminum Under fuel tank, replace. With non-slip step.	22
O	Large DEF Tank, 15 Gallons.	26
O	DEF to fuel fill ratio between 1.25:1 and 2:1.	0
O	Anti-Siphon Device in Fuel Tank Filler Neck. For any number of fuel tanks.	1
S	DEF Tank Location is LH BOC. For 2.1M Medium-Duty	0
O	Location: 50 gal fuel tank LH under cab	0
Cab & Equipment		
S	Cab: Stamped Aluminum with Curved Windshield LED markers. Requires separate roof code.	0
O	Hood: Med Aero w/ Chrome Crown	0
O	Fine Particulate Filter for Cabin Air HVAC system. To provide extra filtration in high dust applications. Cabin airflow is reduced with this additional filter. *Cannot be used with code 8108003.	0
S	Cab HVAC - Day Cab and 40 in. Sleeper 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.	0
O	Kenworth Smartwheel: 18 in. Non-Leather With Integrated Radio and Cruise Controls.	0
S	Adjustable Telescoping Tilt Steering Column.	0
O	Dash Switch:1st Allison-Mounted PTO. Electric switch and wiring are factory-installed to control the 1st Allison Trans mounted PTO.	0
O	Info for C/I PTO: Chelsea 10 Bolt	0
O	One Spare Switch: Wired to Power.	0
S	Main Instrument Package: 7" Digital Display Cluster. Includes Physical (Analog): Speedometer, Tachometer, Oil Pressure, and Coolant Temp; and Digital: Fuel Level #1, DEF Level, DPF Filter Status, Fuel Economy, Volts Telltale, OAT and Primary Air	0

<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
	Pressure, Secondary Air Pressure, and Air Application for air brake trucks.	
O	Large Flat Panel on Dash For C/I Controls. Replaces Storage Bucket.	0
O	Warning Light and Audible: Drivers Side Seatbelt A telltale and audible warning activates when vehicle speed > 10 mph and driver side seatbelt is not buckled.	0
S	Interior Trim Package: 2.1M MD Gray Foam Backing/Cloth Headliner W/Gray Sunvisor & Seat Color Three Underdash Center Console Cupholders (Two If Allison Transmission Is Selected).	0
O	Driver Seat: KW Air Seat IB Vinyl w/ Dual Armrests/Susp Cover	0
O	Rider Seat: KW Toolbox Seat IB Vinyl w/ Dual Armrests	0
O	Kenworth Radio DEA710 AM/FM/WB/USB, Bluetooth	0
O	Speaker Package For Cab: (2) Speakers B-Pillar	0
S	Turn Signal: Self-Cancelling	0
S	LH and RH Trip Ledge Rain Deflectors	0
S	Global Telematics Unit	0
O	Grabhandle: LH & RH SOC Non-Slip Ergonomic Grab Handles Mounted To The Left Hand and Right Hand Exterior Of The Cab For Entry and Exit. NFPA Compliant.	6
S	Dual Cab Interior Grabhandles: A Pillar Mounted Dash Wrap and B Pillar Mounted Grabhandles	0
S	Kenworth Daylite Door With Standard LH/RH electric door locks and LH/RH electric window controls.	0
S	Single Air Horn Under Cab.	0
S	Look-Down, Pass. Door, Black 11x6	0
O	Mirror Shell: Dual Aero Chrome	0
O	Mirror: Dual KW Aero Rear View Motor, heated with Integral CX.	0
S	Rear Cab Stationary Window 19in x 36in	0
S	One-Piece Bonded-In Windshield With Curved Glass. Standard.	0
O	Exterior Stainless Steel Sunvisor.	11
O	4 1/4" Molded Wheelwell Fender Extension.	0

<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
O	Kenworth Cab Air Suspension.	0
O	Roof: Raised Profile, Stamped Aluminum w/ Additional Head Room & Interior Overhead Storage	0
Lights & Instruments		
O	Headlamps: Single Halogen Complex Reflector w/ Turn Indicator, Reflector and w/o DRL. Fender Mtd.	0
O	Daytime Running Lights Located in Bumper. Driven by Chassis Height.	3
O	Marker Lights: Five Rectangular LED. Chrome housing. For use with raised roof only. Required with exterior sunvisor.	0
O	Dual Flush Floodlights: First Set	2
O	Floodlight Location: Located Low - First Set . This Code To Be Used With Flush-Mount (9052011) or C/I (9058071) Codes Only.	0
O	Combination Stop, Tail, Turn & Backup Lights RH & LH.	0
O	Headlamps to Turn on When Wipers are Active.	0
O	Reflectors: Two Midframe	0
O	Backup Alarm: Tail Light Bracket Mounted Variable self-adjusting 82-102 DBA.	0
O	Body Builder Lighting Harness Coiled End Of Frame For Additional Customer Installed Exterior Lighting. Harness Includes Circuits for Additional Customer Installed Tail Lamps, Turn Lamps, Stop Lamps, and Marker Lamps.	0
Air Equipment		
S	Air Dryer: Bendix AD-HF Puraguard Heated	0
S	Moisture Ejection Valve W/ Pull Cable Drain.	0
S	Nylon Air Tubing in Frame & Cab, Excluding Hoses subject to excessive heat or flexing.	0
O	Air Tanks: Mounted Inside Frame Flanges where possible. This code requires the use of a custom frame layout code.	0
Extended Warranty		
U	US Basic Vehicle 5 year/300,000 <i>Narr US Basic Vehicle 5 year/300,000</i>	0
S	Base Warranty - PACCAR PX-9 Engine 24 months / 250,000 miles / 402,336 km / 6250 hours.	0
O	Base Warranty - Standard Service Medium Duty 12 months / Unlimited miles & km	0
O	PACCAR EW: PX-9 Protect Plan 1 CARB24	0

Std/ Opt	Description	Weight
	5YR/250K (402,336KM). Each code registered between 366 and 546 days after the vehicles in-service date will be subject to a \$400 late fee. Coverage cannot be added after 200K MI or 545 days past the in-service date.	
O	PACCAR EW: Aftertreatment PX-9 Use W/ PP1 CARB24 5YR/250K (402,336KM). Each code registered between 366 and 546 days after the vehicles in-service date will be subject to a \$400 late fee. Coverage cannot be added after 200K MI or 545 days past the in-service date.	0
O	Allison 3000 Series Transmission Surcharge	0
O	TruckTech+ RD - 5YR Sub PACCAR PX Engines	0
O	Base Warranty: Emissions (CARB Operation) 5YR/150K MI - PX-9 Engine	0
Miscellaneous		
O	GHG Secondary Manufacturer: Does Not Apply	0
O	Warning Triangle Reflector Kit: Shipped Loose. Kit consists of 3 triangles in plastic carrying case. Not floor mounted.	4
O	One 5 lb. Dry Chemical Type Fire Extinguisher mounted outboard of driver seat. Class ABC.	11
S	EMUX Architecture	0
Promotions		
Paint		
O	Paint Color Number(s). N9702 A - L0280 GUNMETAL N9720 FRAME N0001 BLACK	0
S	Bumper Unpainted	0
O	Day Cab Pearl Metallic Paint	0
S	1 - Color Paint - Day Cab Color will be White if no other color is specified.	0
O	Non-Standard Paint Color.	0
S	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.	0

<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
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Special Requirements

- Special Requirement 1 0098025
- Special Requirement 2
- Special Requirement 3
- Special Requirement 4

Order Comments

Total Weight (lbs)

15,812

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 CRM.

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