



Peterbilt of Richmond (H830)
2800A Deepwater Terminal
Richmond, Virginia 23212

Virginia Sheriffs Association
901 East Byrd St Suite 1301
Richmond, Virginia 23219
United States of America

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Vehicle Summary

Unit		Chassis	
Model:	Model 520	Fr Axle Load (lbs):	14600
Type:	Full Truck	Rr Axle Load (lbs):	40000
Description 1:	520 Standard Chassis	G.C.W. (lbs):	54600
Description 2:			
Application		Road Conditions:	
Intended Serv.:	General Freight	Class A (Highway)	100
Commodity:	Other Commodity	Class B (Hwy/Mtn)	0
		Class C (Off-Hwy)	0
		Class D (Off-Road)	0
Body			
Type:	Flatbed	Maximum Grade:	6
Length (ft):	24	Wheelbase (in):	195
Height (ft):	13.5	Overhang (in):	54
Max Laden Weight (lbs):	1000	Fr Axle to BOC (in):	0.1
Trailer			
No. of Trailer Axles:	0	Cab to Axle (in):	194.9
Type:		Cab to EOF (in):	248.9
Length (ft):	0	Overall Comb. Length (in):	306.6
Height (ft):	0	Special Req.	
Kingpin Inset (in):	0		
Corner Radius (in):	0		
Restrictions			
Length (ft):	40		
Width (in):	102		
Height (ft):	13.5		

Approved by: _____

Date: _____

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



Sales Code	Std/ Opt	Description	\$ List	Weight
Base Model				
0005201	S	Model 520 Peterbilt's Model 520 is built to withstand the harsh demands of the refuse industry. The rugged, aluminum cab delivers best-in-class durability for increased uptime and lap seam construction on a zinc-coated steel sub-frame for corrosion resistance. Bulkhead-style doors provide years of watertight performance. This low-cab forward vehicle adds a new dimension of productivity and versatility. An industry-leading, 65-degree cab tilt enhances maintenance and serviceability. Body installation is cost effective and efficient and the center console provides convenient access to body control integration points.	208,039	16,475
0091200	O	Other Commodity	0	0
0093170	O	General Freight Truck or tractor used in over-the-road hauling of general freight. Pickup to delivery distance is typically over 100 miles and annual mileage is typically over 60,000 miles per year. Operation is typically on-highway.	0	0
0095020	O	Flatbed	0	0
0098170	S	United States Registry Canadian Registry Package Requires Air Conditioning Excise Tax Canada, Speedometer to be KPH ipo MPH, Daytime Running Lights and Rubber Battery Pad in Bottom of Battery Box.	0	0
Configuration				
0200700	S	Not Applicable Secondary Manufacturer	0	0
Frame & Equipment				
0514150	S	10-3/4" Steel Rails To 305" 10.75x3.5x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair	0	88
0644090	S	EOF Square without Crossmember End-of-frame square without crossmember. For use with body builder installed crossmember.	0	0
0651090	S	Omit Rear Mudflaps and Hangers	0	0
Front Axle & Equipment				
1011350	O	Dana Spicer E1462I 14,600 lb, 3.5 in. Drop Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins, & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	-968	-91
1112150	O	Taper Leaf Springs, Shocks 14,600 lb	-729	-132



Sales Code	Std/ Opt	Description	\$ List	Weight
		Hendrickson Taper Leaf Springs, shocks 14,6000 lb.		
1243010	S	Power Steering Sheppard M100 Dual For use with 16,000 to 20,000 lb. axle ratings. Glidekote splines on steering shaft extend service life of components.	0	0
1354840	O	PHP10 Iron PreSet PLUS Hubs PHP10 iron PreSet PLUS hubs have a fully integrated spindle nut design, an optimized wheel spacer, magnetic fill plug on drive and trailer hubs for inspection of metal particles in lubricant, with a long life oil seal and bearings are pre-adjusted. Use with Front Axle.	-686	84
1390710	O	Meritor Q+ Air Cam Front Drum Brakes 16.5 x 5 Not RSD compliant. Not for use on U.S. or Canada Tractors, other than Car Carriers.	600	0
Rear Axle & Equipment				
1523430	O	Dana Spicer D40-172 40,000 LBS Dana Spicer D40-172 40,000 lbs tandem drive axles offer efficiency improvement, axle weight reduction and reduced lube quantity.	1,426	-42
1616300	O	PHP10 Iron PreSet PLUS Hubs	-665	0
1680500	S	SBM Valve Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.	0	0
1680750	O	Meritor Q+ Air Cam Rear Drum Brakes 16.5x7	-1,059	0
1682430	S	Anti-Lock Braking System (ABS) 4S4M ABS-6. Includes air braking system.	0	0
1684200	S	Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0	0
1704300	O	Ratio 4.30 Rear Axle	0	0
1821860	S	Peterbilt Air Trac 46,000 lbs, 52in Axle Spacing Light Weight	0	0
1911010	S	Steel Suspension Insert Up To 77" Overhang	0	0
Engine & Equipment				
2074512	S	PACCAR PX-9 360@2000 GOV@2200 1150@1200 Productivity (2021 Emissions) N21350 C121 64....Maximum Accelerator Pedal Ve N21370 C128 64....Maximum Cruise Speed (P059)	0	0



Sales Code	Std/ Opt	Description	\$ List	Weight
		N21460 C132 1400..Max PTO Speed (P046)		
		N21520 C133 5.....Timer Setting (P030)		
		N21610 C188 39....Low Ambient Temperature Thre		
		N21620 C189 60....Intermediate Ambient Tempera		
		N21630 C190 80....High Ambient Temperature Thr		
		N21550 C206 35....Engine Load Threshold (P516)		
		N21340 C209 120...Hard Maximum Speed Limit (P1		
		N21510 C225 YES...Enable Idle Shutdown Park Br		
		N21450 C231 NO....Gear Down Protection (P026)		
		N21570 C233 NO....Idle Shutdown Manual Overrul		
		N21440 C234 NO....Engine Protection Shutdown (
		N21480 C238 NO....Auto Engine Brake in Cruise		
		N21470 C239 NO....Cruise Control Auto Resume (
		N21430 C333 0.....Reserve Speed Limit Offset (
		N21410 C334 0.....Maximum Cycle Distance (N202		
		N21590 C382 YES...Enable Hot Ambient Automatic		
		N21500 C395 0.....Expiration Distance (N209)		
		N21530 C396 YES...Enable Impending Shutdown Wa		
		N21540 C397 60....Timer For Impending Shutdown		
		N21320 C399 120...Standard Maximum Speed Limit		
		N21400 C400 252...Reserve Speed Function Reset		
		N21420 C401 10....Maximum Active Distance (N20		
		N21330 C402 0.....Expiration Distance (N207)		
2091130	S	VMUX Electronics Architecture	0	0
2091305	O	Engine Idle Shutdown Timer Enabled	0	0
2091315	O	Enable EIST Ambient Temp Override	0	0
2091372		Eff EIST NA Expiration Miles	0	0
2091640		Effective VSL Setting NA	0	0
2092016	O	Typical Operating Speed 62 MPH	0	0
2092033	O	Powertrain Optimized for Balance Best analysis for vehicles where service includes frequent start and stop cycles.	0	0
2140220	S	CARB Engine Idling Compliance DECLINED By Dealer/Customer	0	0
2140450	O	Remote PTO/Throttle, 12-Pin Eng Bay Remote Control Provision	103	0
2140670	O	EPA Emission Warranty	0	0
2147460	S	Bed Plate for PX-9, L9N Engines Designed to increase engine longevity by incorporating a stiffener bracket on the bottom side of the engine, inside the oil pan, for additional reinforcement. Required for all PX-9/L9N refuse applications and recommended for other high load 9-liter applications.	0	0



Sales Code	Std/ Opt	Description	\$ List	Weight
2513060	S	PACCAR 160 Amp Alternator, Brushed PACCAR 160 AMP alternator, brushed producing 160 Amps at road speed and 100 Amps at idle.	0	0
2522110	O	PACCAR 12V Starter, N/A PACCAR MX Engines PACCAR 12-volt electrical system. With centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0	0
2538040	S	3 PACCAR Premium 12V Dual Purpose Batt 2190 CCA Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.	0	0
2621000	S	2-Speed Fan Clutch For Frequent Start/Stops A 2-speed fan clutch is ideal for vocational applications where the fan clutch engagement time exceeds 10% of the engine run time. When the fan clutch is disengaged, the fan still rotates at 15-25% of the engine RPM. This fan rotation provides crucial airflow to the engine and draws virtually no horsepower.	0	0
2723210	S	18.7 CFM Air Compressor N/A X15. Furnished on engine. Teflon lined stainless steel braided compressor discharge line.	0	0
2921110	S	PACCAR Fuel/Water Separator Standard Service PACCAR Fuel/Water separator standard service intervals. High efficiency media protects critical engine components.	0	0
2921210	S	No Fluid Heat Option for Fuel Filter	0	0
2921310	S	No Electric Heat Option for Fuel Filter	0	0
3114270	S	High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. Chevron Delo Extended Life Coolant (NOAT) extends maintenance intervals reducing maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 520: 1242 sq in.	0	0
3120450	S	Stainless Steel Grille	0	0
3261980	S	Heavy Duty Air Cleaner Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0	0
3365300	S	Exhaust Vertical LH DPF/SCR LH Back of Cab Vertical.	0	0
3387870	S	24" Ht, 5" Dia Chrome, Clear Coat Standpipe(s)	0	0
Transmission & Equipment				
4052110	S	Allison 3000 RDS-P Transmission, Gen 5 Rugged Duty Series. Includes Rear Transmission Support except on MX engines, Mobil Delvac Automatic Transmission Fluid, and Water-Oil	0	0

Price Level: January 1, 2022

Deal: 520 Standard Chassis

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Date: July 07, 2022

Quote Number: QUO-970243-X9Q9N0



Sales Code	Std/ Opt	Description	\$ List	Weight
		Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. Suited for vehicles operating on/off highway and/or requiring PTO operation. Forward ratios: 1st-3.49, 2nd-1.86, 3rd-1.41, 4th-1.00, 5th-0.75, 6th-0.65. Reverse ratios: DR-(5.03).		
4211000	S	SPL170 HD-XL Driveline, 1 Midship Bearing	0	0
4216330	S	SPL170 XL Driveline Interaxle Dana Spicer Life Series heavy-duty drive shafts are built for heavy loads over the long haul. For tandem rear axles.	0	0
4252940	S	Allison Neutral At Stop Neutral at Stop features and benefits: Reduces or eliminates the load on the engine when vehicle is stopped, can help lower fuel consumption and CO2 emissions, and is included in FuelSense 2.0 Plus and Max packages only.	0	0
4253160	S	Allison Fuelsense Dynactive With Dynamic Shift Sensing	0	0
4256020	S	Console Mounted Push Button Shifter Allison Automatic Transmissions or LFNA Electric Vehicle	0	0
4256630	S	Allison 5-Speed Configuration, Close Ratio Gears Allison 3000 transmission only.	0	0
4256870	O	Allison Output Function S Neutral Indicator Allison output function S Neutral Indicator for PTO. Required on Refuse Packer Applications. With this configuration NEUTRAL only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is in Neutral, the PTO is automatically engaged and fast idle is initiated when the PTO switch is on. In addition with this configuration Pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is On concurrently with shifting of the transmission to Neutral.	0	0
Air & Trailer Equipment				
4510210	S	Bendix AD-HF EP Air Dryer, Heater Coalescing filter, extended purge. Bendix AD-HF air filters protects the life of your engine system and components. Proven PuraGuard oil coalescing technology in the the air dryer cartridge. This oil coalescing filter ensures the removal of oil and oil aerosols before they can contaminate the moisture removing desiccant.	0	0
4540420	S	Nylon Chassis Hose	0	0
4543320	S	Steel Painted Air Tanks All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives	0	0



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		requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed.		
Tires & Wheels				
5064010	S	FF: BR 20ply 315/80R22.5 M870 Efficiency Rating: Fair Diameter= 42.8 inches; SLR= 19.9 inches The Bridgestone M870 is a high scrub All-Position Radial tire designed specifically for urban waste collection.	0	0
5166100	S	RR: BR 14ply 295/75R22.5 R213 Ecopia	0	0
5190008	S	Code-rear Tire Qty 08	0	0
5210550	S	FF: Accur Stl Armor 29039PK 22.5X9.00 PHP10-5 Hand Holes	0	0
5310600	S	RR: Accur Stl Armor 50291PK 22.5X8.25 Heavy Duty, Two Hand Holes	0	0
5390008	S	Code-rear Rim Qty 08	0	0
Fuel Tanks				
5532040	S	23" Aluminum 50 Gallon Fuel Tank RH BOC Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks.	0	0
5603050	S	Location RH BOC 50 Gallon	0	0
5650490	S	Fuel Cooler Required with single fuel tank	0	0
5652890	S	DEF Tank Mounted LH BOC Models 220 and 520 mounted left hand back-of-cab.	0	0
5652990	O	DEF To Fuel Ratio 2:1 Or Greater	0	0
5655069	S	DEF Tank 520, 7.3 Gal	0	0
Battery Box & Bumper				
6021500	S	Steel Space Saver Battery Box LH Back Of Cab	0	0
6121700	S	Steel Bumper Channel Painted Includes two front tow eyes with pins	0	0
Cab & Equipment				
6501080	S	53" LCF ProBilt Cab LH Drive Includes steel frames with alum and fiberglass panels, all alum doors, dual door stops, door locks, tinted safety glass thru-out, cab and door	0	0



Sales Code	Std/ Opt	Description	\$ List	Weight
		mounted entry grab handles, 65 degree hydraulic tilt, stainless steel grille, dual rear cab fenders, service module BOC (cab tilt pump, oil fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans), door mounted armrests, power windows, doghousefull insulation, rubber floor mats, ergonomic center control console, removable instrument panel, Driver Information Display, LED backlit gauges, adjustable side flip-down interior sunvisor, 16" steering wheel with integrated horn button, tilt/telescopic adjustable column, over-door storage, driver and passenger side cup holders, USB charging port and 12VDC charging outlet, header includes HVAC controls and 12V power connection behind header cover, rear cab corner windows, 18" bolt-on step each side, self-canceling turn signals and front directional and side mounted turn signals.		
6800500	S	4.5" Rubber Flares On Cab And wheel well fenders	0	0
6911720	S	Peterbilt Driver Seat	0	0
6921720	S	Peterbilt Passenger Seat	0	0
6939410	S	Non-Air Ride Driver	0	0
6939440	S	Low Back Driver	0	0
6939470	S	Vinyl Driver	0	0
6939510	S	Non-Air Ride Passenger	0	0
6939540	S	Low Back Passenger	0	0
6939570	S	Vinyl Passenger	0	0
7000000	S	Gray Interior Color Includes ABS gray headliner & rear cab panel, gray vinyl engine tunnel cover. For LH, RH, and dual steer dual seated power windows are standard on both doors. For dual steer RH stand-up the LH window is power and the RH window is a manual sliding window.	0	0
7000095	S	Omit USB in Cab and Replace with Plug	0	0
7001520	S	Adjustable Steering Column - Tilt/Telescope	0	0
7001620	S	Steering Wheel With Peterbilt Logo Steering Wheel with embossed Peterbilt logo over horn button.	0	0
7110680	S	Exterior Cab Entry Grabhandle Textured; NFPA compliant. Available on Day Cab specifications only.	0	0
7220130	S	Rear Window Back of Cab Standard Tint 18.5in X 54in	0	0
7230350	S	2-Piece Flat Windshield	0	0
7322010	S	Combo Fresh Air Heater/Air Conditioner	0	0

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		With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.		
7561260	S	Black LH/RH Tri-plane Mirrors, Heated, Motorized, Mounted to Doors. Features: Heated on All Three Surfaces, Upper/Lower Mirrors are Convex and Middle is a Flat Pane Motorized Mirror.	0	0
7610020	S	(1) Air Horn 15" Painted Mounted under cab.	0	0
7725720	S	No Head Unit or Audio Speakers Selected	0	0
7788055	S	SmartLINQ Remote Diagnostics SmartLINQ is Peterbilts proprietary remote diagnostics service which monitors the engine and aftertreatment for diagnostic codes providing real-time code analysis maximizing vehicle uptime and strengthening the fleets partnership with their dealer. SmartLINQ provides fault coverage for over 800 codes, a customizable email notification for 116 codes plus a web portal to manage your entire fleet included at no additional charge. SmartLINQ is compatible with any telematics system and doesnt require a specific fleet management system. For those whose customers utilize PeopleNet, the pre-wire with remote diagnostics will provide a more integrated solution utilizing the existing SmartLINQ modem. For those whose customers utilize other fleet services products, the existing pre-wire option for the other fleet service devices will continue to be available. Standard on Class 8 engines and available on Models 348, 337, 330 and 325 with a PX-9, PX-7 or Cummins Westport natural gas engine.	0	0
7788057	O	24 Months SmartLINQ Subscription PACCAR PX Engines.	0	0
7852150	S	Peterbilt Pantograph Windshield Wipers With intermittent feature.	0	0
7900970	S	Backup Alarm Wiring To EOF	0	0
8011850	S	Transmission Oil Temperature (Main) Located in Digital Cluster Display.	0	0
8021315	S	Air Restriction Indicator Mounted on exhaust stanchion	0	0
8070860	O	Main Instrumentation Panel Digital Cluster 7" Display includes: Physical (Analog) - Speedometer, Tachometer, Oil Pressure, Coolant Temp and Display Gauges - Fuel Level, DEF Level, DPF Filter Status, Fuel Economy, Volts Telltale, OAT and Primary Air Pressure, Secondary Air Pressure for air brake trucks.	0	0
8110090	S	Headlights Single Rectangular Halogen	0	0
8120570	S	(5) LED Clearance With (2) LED Marker Lights Includes (5) lights mounted on roof of cab and (1) cab side marker light mounted in front of each cab door	0	0
8133900	S	None Furnished Stop/Tail/Backup Lights Available with full truck only, not available with tractor	0	0
8134160	O	Self-Canceling Turn Signal	0	0

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Paint				
8500710	S	Standard Paint Color Selection	-200	0
8530770	O	(1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - L0006EY WHITE N85700 BUMPER L0001EA BLACK N85500 CAB ROOF L0006EY WHITE N85200 FRAME L0001EA BLACK	0	0
Shipping Destination				
Options Not Subject To Discount				
9400090	S	Peterbilt Class 8 Standard Coverage 1 year/100,000 Miles (160,000 km)	0	0
9400094	S	PACCAR PX-9 Standard Coverage 2 yrs/250,000 mi (402,336 km)/6,250 hrs	0	0
9407103	O	Prepaid Freight Increase For 2022 Delivery	500	0
9407147	O	Fuel Price Index Factor \$507 Net	507	0
9408703	O	Base Warr: Emissions 5YR/100K MI-EPA Engine	0	0
Miscellaneous				
9409096	O	State Registry: Virginia	0	0

Promotions

Order Comments



Total List Price (W/O Freight & Warranty & Surcharges)	\$205,861
Marketing and Service Support Fee	\$995
Prepaid Freight	\$3,575
Total Surcharge/Options Not Subject To Discount	\$1,007
Total Weight	16,382

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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Shipping Destinations

Intermediate Destination: NONE

Final Destinations	Quantity
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