



Stahl Peterbilt E015
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5015-49ave

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Prepared for: Dennis Bergheim

Vehicle Summary

Unit		Chassis	
Model:	Model 320	Fr Axle Load (lbs):	20000
Type:	Full Truck	Rr Axle Load (lbs)	44000
Description:	tandem	G.C.W. (lbs):	66000
Application		Road Conditions:	
Intended Serv.:	Refuse/Landfill	Class A (Highway)	100
Commodity:	Refuse, Scrap	Class B (Hwy/Mtn)	0
Body		Class C (Off-Hwy)	0
Type:	Hooklift	Class D (Off-Road)	0
Length (ft):	24	Maximum Grade:	6
Height (ft):	13.5	Wheelbase (in):	210
Max Laden Weight (lbs):	1000	Fr Axle to BOC (in):	0.1
Trailer		Cab to Axle (in):	209.9
No. of Trailer Axles:	0	Cab to EOF (in):	319.9
Type:		Special Req.	
Length (ft):	0	Canadian Registry	
Height (ft):	0.0		
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.

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Printed:	3/24/2014 3:09:41 PM	Incomplete	Model Number:	Model 320
Effective Date:	Jan 1, 2014		Quote/DTPO/CO:	Q15701195
Prepared by:	Rob Cranston		Version Number:	28.10



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	Description	Weight
Base Model		
	Model 320	15,784
	Refuse, Scrap	0
	Refuse/Landfill Truck which picks up refuse or recycled material from curbside containers in residential areas. Operation typically includes very frequent stops and starts. Unloading can be at transfer station or at landfill (may enter landfill).	0
	Hooklift	0
	Canadian Registry Required for all vehicles registered in Canada.	0
Frame & Equipment		
	10-3/4in Steel Rails 343-450in 10.75x3.5x.375 Dimension, 2,136,000 RBM	333
	Full Steel Inner Liner	763
	FEPTO Provision 4-7/8in Bumper Extension Includes 1350 Series Front Drive PTO attachment provision, radiator with PTO cut-out in grille, radiator protection sleeve, and bumper extension.	45
	EOF Square without Xmbr For use with body builder installed crossmember.	0
	Omit Rear Mudflaps and Hangers	0
Front Axle & Equipment		
	Dana Spicer D2000F 20,000 lb, 3.5in 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.	0
	Taper Leaf Springs, Shocks 23,000 lb Standard with Heavy Resistance Shocks.	410
	Power Steering Sheppard SD110 Dual Glidekote splines on steering shaft extend service life of components.	40

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Description	Weight
PHP10 Iron LMS Hubs-Air Disc	0
Bendix Severe Service Rotor For Air Disc Brakes	11
5in Drop IPO 3.5in, Front Axle	0
Dana Spicer Wide Track IPO Std, Front Axle 71in KPI IPO 69in for E1202, E1322, E1462 front axles. For improved turning radius.	5
Air Disc Front Brakes Complies with reduced stopping distance regulations.	0
Dust Shields, CAM And Air Disc Brakes, Front Axle	4

Rear Axle & Equipment

Dana Spicer DSH44 44,000 lb, High Performance 44 Interaxle diff lock air rocker occupies space of one gauge. 12.5 mm housing, 15.75 ring gear. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. 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.	-470
PHP10 Iron LMS Hubs 11-1/4" bolt circle. Includes a supplier extended coverage up to 3 years / 350,000 miles for bearings & seals.	60
Bendix Severe Service Rotor For Air Disc Brakes	14
Long Stroke Parking Brakes, Drive Axle(s)	0
Diff Lock Both Axles (Air Rocker Switch occupies the space of one gauge)	60
Separate Dash Controls, Cont Trac Full Lock Dana Spicer or Meritor - Tandem or TriDrive Axles (Air Rocker Switch occupies the space of two gauges for tandem axle and three gauges for tri-drive axle)	2
Lube Pump, Drive Axle(s)	36
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
Anti-Lock Braking System (ABS) 4S4M ABS-6. Includes air braking system.	0

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Description	Weight
Synthetic Axle Lubricant All Axles The conventional model product line includes 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
Air Disc Rear Brakes, Tandem Drive Axle Inc automatic slack adjusters.	0
Ratio 5.29 Rear Axle	0
Peterbilt Air Trac 46,000 lb, 54in Axle Spacing	0
Dash Mtd Dump Switch With Indicator Light For suspension	2

Engine & Equipment

PACCAR PX-9 345@1900 GOV@2100 1150@1400 (2013 Emissions) Includes alum flywheel housing. Chevron Delo LE SAE 15W40 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.	0
N21320 N205 120..Standard Maximum Speed Limit [LSL]	
N21330 N207 0....Expiration Distance	
N21340 P005 120..Hard Maximum Speed Limit	
N21350 P001 64...Maximum Accelerator Pedal Vehicle Speed	
N21360 P110 0....Accelerator Lower Droop	
N21370 P059 64...Maximum Cruise Speed	
N21380 P111 0....Cruise Control Lower Droop	
N21400 N203 252..Reserve Speed Function Reset Distance	
N21410 N202 0....Maximum Cycle Distance	
N21420 N206 10...Maximum Active Distance	
N21430 N201 0....Reserve Speed Limit Offset	
N21440 P015 No...Engine Protection Shutdown	
N21450 P026 No...Gear Down Protection	
N21460 P046 1400.Max PTO Speed	
N21470 P062 No...Cruise Control Auto Resume	
N21480 P068 No...Auto Engine Brake in Cruise	
N21500 N209 0....Expiration Distance	
N21510 P520 Yes..Enable Idle Shutdown Park Brake Set	
N21520 P030 5....Timer Setting	
N21530 P233 Yes..Enable Impending Shutdown Warning	
N21540 P234 60...Timer For Impending Shutdown Warning	
N21550 P516 35...Engine Load Threshold	
N21570 P031 No...Idle Shutdown Manual Override	
N21590 P230 Yes..Enable Hot Ambient Automatic Override	
N21610 P172 40...Low Ambient Temperature Threshold	
N21620 P173 60...Intermediate Ambient Temperature Threshold	
N21630 P171 80...High Ambient Temperature Threshold	
Engine Idle Shutdown Timer Enabled	0
Enable EIST Ambient Temp Override	0

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Description	Weight
Enable EIST in PTO Mode	0
Eff EIST NA Expiration Miles	0
Effective VSL Setting NA	0
CARB Engine Idling Compliance DECLINED By Dealer/Customer	0
PACCAR 130 Amp Alternator, Brushless w/Voltage Regulator. Remote Sense is not available or needed with the PACCAR Alternator. At low engine RPM, the PACCAR Alternator puts out 80 amps verses 60 amps on other alternators. 12 Volt system with circuit protection for reliable easy maintenance & service. Weather pack silicone sealed electrical chassis connectors enhance value, durability, reliability. Wires numbered every 4" or less.	-18
Immersion Type Pre-Heater 110-120V Phillips	2
Oil Pan Heater 120V/300W	2
PACCAR 12V Starter	0
3 PACCAR Premium 12V Dual Purpose Batt 2100 CCA Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.	0
Big Switch Battery Disconnect Mounted on battery box	4
Battery Jumper Terminals Mtd In Front Of Battery Box	4
2-Speed Fan Clutch For Frequent Start/Stops	0
18.7 CFM Air Compressor Furnished on engine. Teflon lined stainless steel braided compressor discharge line.	0
C-Brake By Jacobs, PX-9	90
PACCAR Fuel Filter, Unheated With water in fuel (WIF) sensor. In addition to the fuel filter supplied with the engine.	0
Engine Protection Shutdown Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.	0
High Efficiency Cooling System Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces 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.	0
Bugscreen-Removable Type Grill Mtd Additional clips at bottom of bugscreen.	0
Wing Nut Style Mounted Grille	0

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Description	Weight
16in FVG Air Cleaner Horizontal Mounted (FVG16-0619) Dual Element/Dual Stage. Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0
Exhaust Vertical LH DPF/SCR transverse mounted.	0
60in Ht, 5in Dia Chrome, Clear Coat Standpipe(s)	13

Transmission & Equipment

Allison 4500 RDS-P Transmission, Gen 5 Rugged Duty Series. Includes Rear Transmission Support, TranSynd Transmission Fluid, and Water Oil 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)	0
1810 HD Driveline, 1 Midship Bearing 4.5in x .180 wall tubing	150
1810 HD Driveshaft Between Main & Aux Trans	20
Console Mounted Push Button Shifter Allison transmissions	0
Allison RDS Auto Neutral AK Single steer LH or RH. Add Code 4540940 if plumbed to flip valve to actuate service brakes is desired.	0
Allison 6-Speed Configuration, Wide Ratio Gears Allison 4500 Trans only	0
Allison Load Based Shift Schedule (LBSS)	0

Air & Trailer Equipment

Bendix AD-IS EP Air Dryer with Heater Extended Purge (for use with higher air consumption applications). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin-on dessicant cartridge.	0
Nylon Chassis Hose	0
Aluminum Painted Air Tanks All air tanks are aluminum 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 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.	-45

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	Description	Weight
Tires & Wheels		
	FF: MN 20ply 425/65R22.5 XZY3	92
	RR: BR 16ply 11R22.5 M799	80
	Code-rear Tire Qty 08	0
	FF: Alcoa 824627 LVL1 Plt 22.5X12.25 Alm Whl	-74
	RR: Alcoa 883677 LvL1 22.5x8.25 Alm Whl	-200
	Code-rear Rim Qty 08	0
Fuel Tanks		
	23in Aluminum 80 Gallon Fuel Tank RH BOC	13
	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.	
	Location RH BOC 80 Gallon	0
	Fuel Cooler	0
	Required with single fuel tank.	
	Locate BOC Fuel Tanks Forward As Far As Possible	0
	DEF Tank Mounted LH BOC	0
	Models 210, 220 and 320 mounted LH cab fender.	
	DEF Tank 320	0
Battery Box & Bumper		
	Aluminum Battery Box LH Fender Mounted	0
	Rubber Battery Pad In Bottom Of (1) Battery Box	2
	(Mat in box that holds batteries only)	
	Steel Bumper Channel Chromed	0
	Includes two front tow eyes with pins.	
	Screen Over Air Intake Opening In Bumper	2
Cab & Equipment		
	53in LCF ProBilt Cab LH Drive	0
	Includes steel frames with alum and fiberglass panels, all alum doors, dual door stops, door locks, tinted safety glass thru-out, cab and door 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, full insulation, rubber floor mats, ergonomic center control console, removable instrument panel, Driver Information Display, LED backlit gauges, pull down windshield sunshade, 16in 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, 18in bolt-on step each side, self-canceling turn signals and front directional and side mounted turn signals	

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Description	Weight
4.5 Inch Rubber Flares on Cab and Wheel Well Fenders	0
Sears C2 Driver Seat	0
Peterbilt Passenger Seat	0
Air Ride Driver	15
Mid Back Driver	50
Fabric Driver	0
Air Ride Passenger	15
Low Back Passenger	0
Vinyl Passenger	0
Gray Interior Color Includes ABS gray headliner & rear cab panel, gray vinyl engine tunnel cover.	0
Adjustable Steering Column - Tilt/Telescope	0
Steering Wheel with Peterbilt Logo Steering Wheel with embossed Peterbilt logo over horn button.	0
Diamond Plate Floor Covering on Driver side floor in place of Rubber Mat. In Dual Steer application RH Diamond Plate covering is standard. Single drive applications the Diamond Plate is optional.	6
Rear Window Back of Cab Standard Tint 18.5in X 54in	0
Two Piece Flat Windshield	0
Combo Fresh Air Heater/Air Conditioner With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.	4
Air Conditioning Excise Tax - Canada	0
Chromed LH/RH Tri-plane Mirrors, Heated, Motorized, Mounted to Doors. Chrome mirror shell / black arms.	-5
(1) Air Horn 15in Painted Mounted under cab.	0
ConcertClass w/CD, Bluetooth Phone/Audio/Sat Includes AM/FM, WB, USB and MP3	10
Cab Tilt Pump Air Assist	0
Peterbilt Electric Windshield Wipers with Intermittent Feature	0
Front Cab Guard/Ladder, Painted Black	15
Rain Gutters Over Driver and Passenger Doors	8

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Description	Weight
French Nameplates, Shipped Loose Canadian Registry. The chassis will be outfitted with English labels and the French labels will be bundled and shipped loose.	0
Triangle Reflector Kit Shipped Loose	13
Backup Alarm (107dB)	3
Axle Temp Gauges, Tandem Drive Located in Driver Information Display	0
Main Transmission Oil Temperature Gauge Located in Driver Information Display	0
Air Restriction Indicator Mounted on air cleaner or intake piping.	0
Fuel Filter Restriction Gauge Located in Driver Information Display	0
Warning Light Battery Disconnect, Switch Engaged (Marker light) external mounted.	0
Speedometer KPH ipo MPH	0
Manifold Pressure Gauge Located in Driver Information Display	0
Suspension Pressure Gauge Located in Driver Information Display	0
Headlights Dual Rectangular Halogen	0
(5) Light Guards On Marker Lights	2
(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
None Furnished Stop/Tail/Backup Lights Available with Full Truck only. Not available with Tractor.	0
Daytime Running Lights (Required on Canadian units)	0
Paint	
Standard Paint Color Selection	0
(1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - L0006EB WHITE - Stand N85500 CAB ROOF L0006EB WHITE - Stand N85200 FRAME N0001EA BLACK N85700 BUMPER N0001EA BLACK	0
Options Not Subject To Discount	
Medium Duty Emissions Surcharge \$7000	0

Miscellaneous

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Description	Weight
Presentation Created Using Featured Spec for model	0
Total Weight	17372

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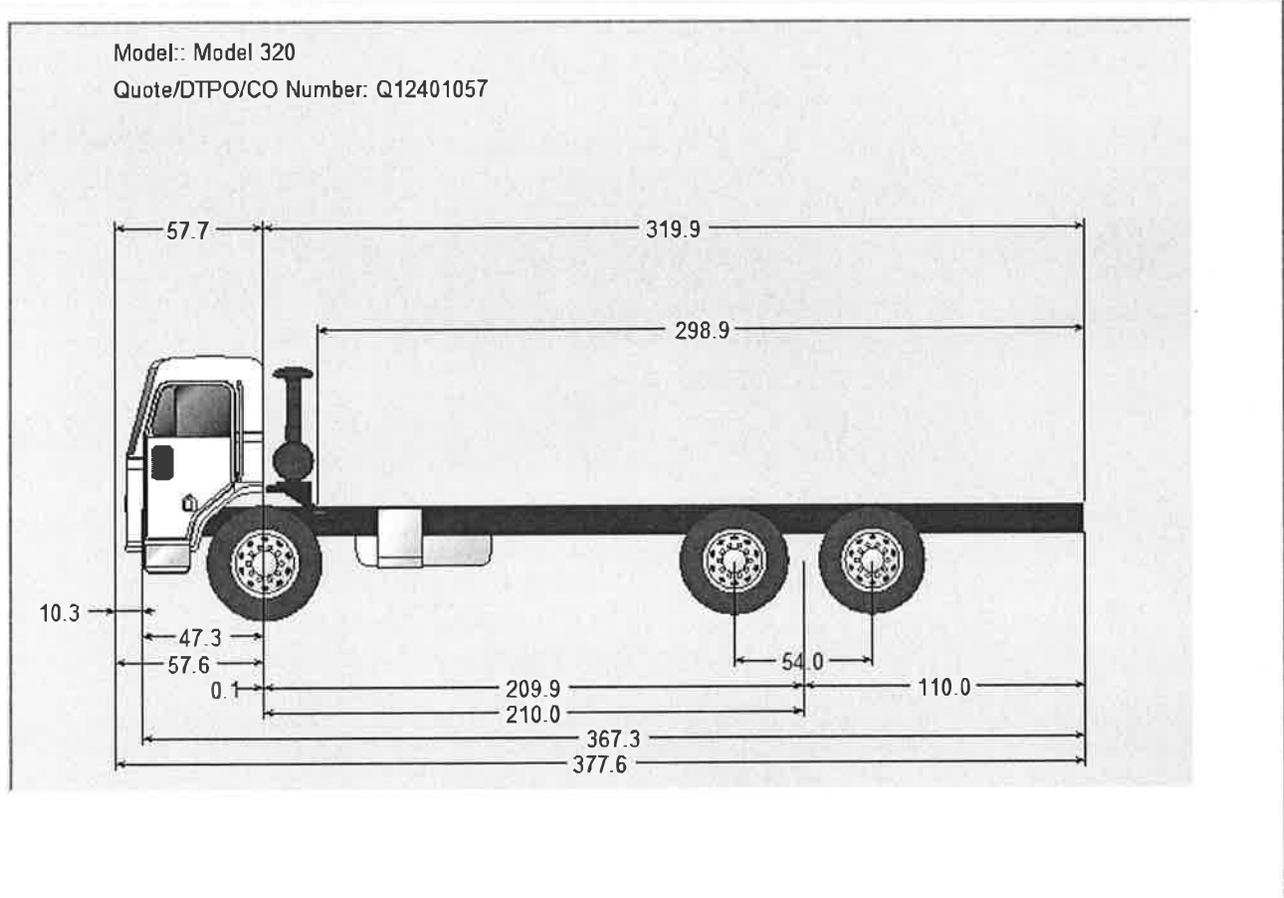


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Horizontal Dimensions



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Model Number: Model 320
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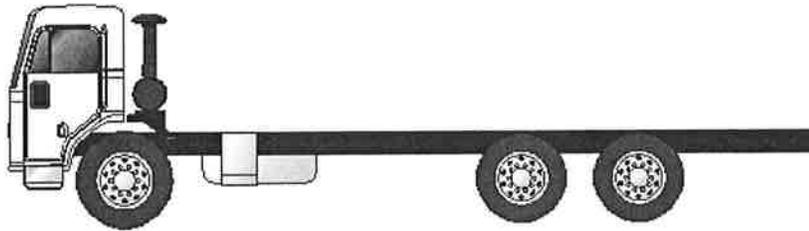
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Weight Distribution

Weight Distribution

Actual performance of a specific unit can be affected by your operating conditions. The performance calculations should only be used as a guideline.

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 Quote/DTPO/CO Number: Q12401057



Recommended Payload Center of Gravity to achieve specified ground loads; measured from centerline of drive axles: 40 in. from the centerline

Weight (lbs)	Front	Rear	Total
Chassis	10390	6982	17372
Tools/Driver	420	-45	375
Fuel & DEF	472	173	645
Max Payload	8718	36890	45608
Total	20000	44000	64000
Specify Ground Load	20000	44000	

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