

Prepared For:

Presented By:



**Model Profile
2023 HX520 SFA (HX520)**

AXLE CONFIG:	6X4
APPLICATION:	Sewer Vac
MISSION:	Requested GVWR: 64000. Calc. GVWR: 66000. Calc. GCWR: 140000
DIMENSION:	Wheelbase: 333.00, CA: 243.00, Axle to Frame: 91.00
ENGINE, DIESEL:	{Cummins X15 500 V} Productivity Series, EPA 2021, 500HP @ 1900 RPM, 1850 lb-ft Torque @ 950 RPM, 2000 RPM Governed Speed, 512 Peak HP (Max)
TRANSMISSION, MANUAL:	{Fuller RTLO(F)-18918B} 18-Speed Manual, Double Overdrive, Double-Lo, Air Shift, Internal Lube Oil Pump
CLUTCH:	{Eaton Fuller Advantage} Self-Adjusting, 15.5" Dia Two-Plate, Cast Angle Spring, Ceramic, 7-Spring Coaxial VCT Plus Damper, 2"-10 Tooth Spline, Mechanical Pull Type Control, 6-Button Disc, 1860 lb-ft Torque Capacity
AXLE, FRONT NON-DRIVING:	{Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor RT-46-160P} Single Reduction, 46,000-lb Capacity, with Lube Oil Pump, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 3.91
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position
TIRE, REAR:	(8) 11R22.5 Load Range G HDR2+ (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, AIR, TANDEM:	{Hendrickson PRIMAAX EX} 46,000-lb Capacity, 56" Axle Spacing, 9.0" Ride Height, with Shock Absorbers
FRAME REINFORCEMENT:	Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 13.025" x 3.687" x 0.312" (330.8mm x 93.6mm x 7.9mm), 518.0" (13157.2mm) OAL
PAINT:	Cab schematic 100LY Location 1: 9219, Winter White (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
HX52000	Base Chassis, Model HX520 SFA with 333.00 Wheelbase, 243.00 CA, and 91.00 Axle to Frame.
1652	CROSSMEMBER, REAR Relocated to End of Frame
1AMS	CROSSMEMBER, FRAME TIE for Heavy Duty
1AND	AXLE CONFIGURATION {Navistar} 6x4
	<u>Notes</u>
	: Pricing may change if axle configuration is changed.
1CGC	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 550.0" (13970mm) Maximum OAL
1GDS	FRAME REINFORCEMENT Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 13.025" x 3.687" x 0.312" (330.8mm x 93.6mm x 7.9mm), 518.0" (13157.2mm) OAL
1LEL	LICENSE PLATE HOLDER 3-Plate, Swing Type, Mounted Below Front Bumper
1LPH	BUMPER, FRONT "TEXAS Style", Aluminum, Stainless Steel Clad
1SAP	CROSSMEMBER, REAR, AF (1) 5-Piece
1WRW	TOW HOOK, FRONT (2) Frame Mounted; 80,000-lb. Total Capacity
1WXE	WHEELBASE RANGE 317" (805cm) Through and Including 370" (940cm)
2ARY	AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
3772	SHOCK ABSORBERS, FRONT for Suspensions 20,000-lb Capacity and Above
3ADJ	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 20,000-lb Capacity, Steel Springs 18K Capacity and (2) Rubber Auxiliary Springs 2K Capacity, Less Shock Absorbers
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u>
	: BRAKE LINES Color and Size Coded Nylon
	: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel
	: PARKING BRAKE VALVE For Truck
	: QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4
	: SPRING BRAKE MODULATOR VALVE SR-7 with relay valve for 6x4/8x6
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System
4EDM	AIR DRYER {Bendix AD-HF} with Heater, Includes Pressure Protection Circuits, Safety Valve, Integral Purge Tank, Governor Pressure Settings 110 psi Cut-In/130 psi Cut-Out, Integrated PuraGuard Coalescing Filtration
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 Sqli
4EXW	BRAKE CHAMBERS, REAR AXLE {Bendix EnduraSure Pro} 30/30 Sqli Spring Brake
4GBM	BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake
4LAG	SLACK ADJUSTERS, FRONT {Gunite} Automatic
4LGG	SLACK ADJUSTERS, REAR {Gunite} Automatic
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VGM	AIR TANK Polished Aluminum, with Straight Thread O-Ring Ports
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes

<u>Code</u>	<u>Description</u>
4WXR	DRAIN VALVE (2) {Berg} with Pull Chains, for Air Tanks
4XCC	AIR TANK LOCATION (2) Stacked, Outside Right Rail, Back of Cab, Perpendicular to Rail
4XDR	BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle
4XDT	BRAKES, FRONT {Meritor 16.5X6 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 20,000-lb Capacity
4XEE	PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type
5710	STEERING COLUMN Tilting and Telescoping
5CBE	STEERING WHEEL 4-Spoke; 18" Dia., Black Leather Wrapped
5PUB	STEERING GEAR (2) {Sheppard M100/HD94} Dual Power
6DGU	DRIVELINE SYSTEM {Dana Spicer} SPL250 Main Driveline with SPL170 Interaxle Shaft, for 6x4
7BES	AFTERTREATMENT COVER Polished Aluminum
7BLY	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Cab Mounted Right Side
7SAP	ENGINE COMPRESSION BRAKE {Cummins} Interbrake For Cummins Signature/ISX/X15 Engines; Furnished with Engine
7WBA	TAIL PIPE (1) Turnback Type, Bright
7WBS	MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel
7WDM	EXHAUST HEIGHT 10'
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	: STARTER SWITCH Electric, Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
8541	HORN, ELECTRIC (2) Disc Style
8899	JUMP START STUD (2) Remote Mounted
8GXJ	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount
8HAB	BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
8MMZ	BATTERY SYSTEM {Fleetrite AGM-GP31} Maintenance-Free, (3) AGM 12-Volt 2475CCA Total, Top Threaded Stud
8RBZ	SPEAKER, AUXILIARY, CB RADIO with Jack for CB; Mounted Left Side Above Driver's Door
8RMZ	SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars
8RNC	CB RADIO Accommodation Package, Header Mounted, Feeds from Accessory Side of Ignition Switch, Includes Power Source, Two Antennas and Antenna Bases with Wiring on Both Side Mirrors

<u>Code</u>	<u>Description</u>
8RPB	RADIO, AUXILIARY CONTROLS Mounted in Steering Wheel, Radio Function Control Switch, Includes Volume Up/Down, Mute, Forward/Back and Bluetooth Answer/Disconnect
8RPR	ANTENNA for Increased Roof Clearance Applications
8RPS	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input
8WDG	BACK-UP ALARM {Preco 1059} Electronic; Solid State, Dual Function, 112 dBA
8WEZ	TURN SIGNAL SWITCH Self-Canceling
8WHJ	HORN, AIR (2) Rectangular Bell, Chrome
8WJC	FLOOR LIGHT Red; Mounted in Lower Center Console, Switch in Cluster Right Switch Pack
8WXB	HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
8WXG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XDZ	BATTERY BOX Steel, 2-3 Battery Capacity, Mounted Inside the Cab, Under Passenger Seat
8XHR	POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) with USB Port, Located in the Instrument Panel
8XKG	DOME LIGHT, CAB with Red Reading Lights
8XKY	USB PORT (1) Located in the Instrument Panel
8XNB	BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Power to Power Distribution Center (PDC), Does Not Disconnect Charging Circuits, Locks with Padlock, Cab Mounted
8XNZ	HEADLIGHTS Halogen, with Daytime Running Lights
9585	FENDER EXTENSIONS Rubber
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9ASE	FRONT END Tilting, Composite
9HCN	GRILLE Chrome Vertical Accent Bars, with Black Mesh
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10AGB	COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360
10NWE	OVER WIDTH IDENTITY Customer Approval, This Combination will Result in Vehicle Width Over 102"
11MRW	CLUTCH {Eaton Fuller Advantage} Self-Adjusting, 15.5" Dia Two-Plate, Cast Angle Spring, Ceramic, 7-Spring Coaxial VCT Plus Damper, 2"-10 Tooth Spline, Mechanical Pull Type Control, 6-Button Disc, 1860 lb-ft Torque Capacity
11WAK	CLUTCH EFFECTS Hydraulic Clutch Actuation System, with Air Assist
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12864	BLOCK HEATER, ENGINE {Phillips} 120V/1500W
	<u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12991	COLD STARTING EQUIPMENT Automatic Ether; with Engine ECM Control, Ether Bottle Not Included

<u>Code</u>	<u>Description</u>
12ETN	ENGINE, DIESEL {Cummins X15 500 V} Productivity Series, EPA 2021, 500HP @ 1900 RPM, 1850 lb-ft Torque @ 950 RPM, 2000 RPM Governed Speed, 512 Peak HP (Max)
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon
12VCB	AIR CLEANER Dual Element, with Integral Pre-Cleaner, Engine Mounted
12VHZ	EMISSION, CALENDAR YEAR {Cummins X15} EPA, OBD and GHG Certified for Calendar Year 2022
12WBR	FAN OVERRIDE Manual; with Electric Switch on Instrument Panel, (Fan On with Switch On)
12WCX	HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type
12WTA	FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted
12WYZ	RADIATOR DRAIN & FILL FITTING SPECIAL; To Vacuum Out or Fill the Cooling System from the Bottom of Radiator, for Use with Quick-Connect Radiator Drain Tool or Shop Coolant Evacuation-Fill System
12WZE	CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
12XBC	RADIATOR Aluminum, Welded, Down Flow, Front to Back System, 1325 SqIn, with 806 SqIn Charge Air Cooler <u>Includes</u> : RADIATOR HOSES Premium, Rubber
12XCS	CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty
13GKM	TRANSMISSION, MANUAL {Fuller RTLO(F)-18918B} 18-Speed Manual, Double Overdrive, Double-Lo, Air Shift, Internal Lube Oil Pump
13WAS	CLUTCH HOUSING Aluminum; Available with 1350 to 2050 lb-ft Capacity Fuller Transmissions
13WGJ	OIL COOLER MANUAL TRANSMISSION Water to Oil Type Included in Radiator End Tank (REQUIRES TRANSMISSION LUBE PUMP)
13WLX	TRANSMISSION OIL {EmGard 40W} Synthetic; 22 thru 33.99 Pints
14862	PDL WARNING BUZZER Power Divider Lock
14899	SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab
14HRL	AXLE, REAR, TANDEM {Meritor RT-46-160P} Single Reduction, 46,000-lb Capacity, with Lube Oil Pump, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 3.91
14UNX	SUSPENSION, REAR, AIR, TANDEM {Hendrickson PRIMAAAX EX} 46,000-lb Capacity, 56" Axle Spacing, 9.0" Ride Height, with Shock Absorbers
14WBN	DIFF. SWITCH CONTROLS Two Independent Switches for Control Traction Differentials on Tandem Rear Axles, Mounted on Dash
15BAA	DEF TANK COVER Stainless Steel
15LNE	FUEL/WATER SEPARATOR {Davco Fuel Pro 382} Coolant Heated, Includes Water-in-Fuel Sensor
15MAD	FUEL HEATER {Cummins} Omit Plumbing for TRV on Cummins Engines
15SWH	FUEL TANK Top Draw, Polished Aluminum, 26" Dia, 100 US Gal (379L), Mounted Left Side, Under Cab
15WCS	FUEL COOLER Less Thermostat; Mounted in Front of Cooling Module
15WDY	DEF TANK 15.9 US Gal (60L) Capacity, Frame Mounted Outside Left Rail, Under Cab
16030	CAB Conventional, Day Cab

<u>Code</u>	<u>Description</u>
	<u>Includes</u> : CAB REAR SUSPENSION Air : CLEARANCE/MARKER LIGHTS (5) LED Roof Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CONSOLE, CENTER Includes Two Cup Holders and One Additional Storage Area : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : COURTESY LIGHT (2) Driver and Passenger Door Mounted : DOME LIGHT, CAB Rectangular, Door and Instrument Panel Mounted Switch Activated, Timed Theater Dimming, Center Mounted, Integral to Console : FLOOR COVERING Rubber, Black : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (4) "B" Pillar and Door Mounted, Two Each Side : READING LIGHT, CAB Located in Overhead Console : STORAGE POCKET, DOOR (2) Full Length, Driver and Passenger Door
16BAM	AIR CONDITIONER with Integral Heater and Defroster
	<u>Includes</u> : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps
16GEH	GAUGE CLUSTER Premium Level; English with Metric Electronic Speedometer
	<u>Includes</u> : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)
16HCH	SEATBELT WARNING LIGHT IND. Mounted in Dash, Will Flash when Park Brake is Disengaged and Driver Seatbelt Unfastened, Audible Alarm to Remind Driver to Fasten Seatbelt
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16HLT	VIRTUAL GAUGE, MANIFOLD PRESS Data Link Driven; Mounted in Instrument Panel, Includes Controller Module. Requires Premium Cluster
16LWU	SEAT, DRIVER {ISRI} Series 500, Air Suspension, High Back, Synthetic Leather, Adjustable Bolsters, Double Chamber Lumbar, Heat, Ventilation, Inboard Armrest, Adjustable Shocks, Suspension Cover, Fore/Aft Isolator, Cushion Extension, Seat Tilt, Memory Quickdown
16SDC	GRAB HANDLE, EXTERIOR (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry Mounted Left and Right Side at B-Pillar
16SNV	MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Bright Heads, Black Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width
	<u>Notes</u> : Mirror Dimensions are Rounded to the Nearest 0.5"
16SNX	MIRROR, CONVEX, LOOK DOWN Right Side, Bright, 6" x 10.5"
16SRK	SEAT, PASSENGER {Seats, Inc.} Non Suspension, High Back, Fixed Back, Integral Headrest, Synthetic Leather, for Use with Batteries in Cab
16VCC	SEAT BELT All Orange; 1 to 3
16VCN	KEYLESS ENTRY SYSTEM REMOTE with Panic Alarm and Horn Beep Lock Confirmation, with Auxiliary Button for Work Light Function Includes One Key Fob

<u>Code</u>	<u>Description</u>
16VVB	CAB INTERIOR TRIM Diamond Elite, for Day Cab <u>Includes</u> : DOOR TRIM, INTERIOR Bright Handle : INSTRUMENT PANEL TRIM Black with Woodgrain Accent, Black Gauges with Chrome Bezels : SUN VISOR (4) Padded Vinyl, 2 Moveable (Front-to-Side) Primary Visors and 2 Flip-down Auxiliary Visors; Vanity Mirrors and Toll Ticket Straps Driver and Passenger Sides
16WCR	SUNSHADE, EXTERIOR Bright Stainless Steel, 13" Drop Sun Visor, with Clear Lights
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood
16XJP	INSTRUMENT PANEL Wing Panel
16XRD	MODESTY PANEL Chrome, with Amber Lens LED Lights, for Day Cab
16XTM	ACCESS, CAB Aluminum, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab or Sleeper Cab
16XWJ	WINDSHIELD WIPER BLADES Snow Type
16XXC	COWL TRAY LID
16XYW	CAB SOUND INSULATION Day Cab Interior Noise Reduction Package
27DVB	WHEELS, FRONT {Accuride 29683} DISC; 22.5x12.25 Rims, Extra Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs, Offset 4.00"
28DVP	WHEELS, REAR {Accuride 42644} DUAL DISC; 22.5x8.25 Rims, Extra Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
60AAT	BDY INTG, ADDITIONAL CAB HOLE for Customer Use
60AKG	BDY INTG, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, with Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions
7372135444	(8) TIRE, REAR 11R22.5 Load Range G HDR2+ (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
7752665441	(2) TIRE, FRONT 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position
OBD001	MISCELLANEOUS 1.5" ball mount in lieu of 1" (current feature 16XCX) / reference SQ 18750W-778944 for HX620

Services Section:

40132	WARRANTY Standard for HX520, HX620, Effective with Vehicles Built January 1, 2021 or Later, CTS-2015B
40UAT	SRV CONTRACT, EXT CMS ENG/AFTR {Cummins} To 60-Month/200,000 Miles (320,000 km), Extended Cummins X15 Efficiency or Productivity Series Engine Coverage, Protection Plan 1 and Aftertreatment

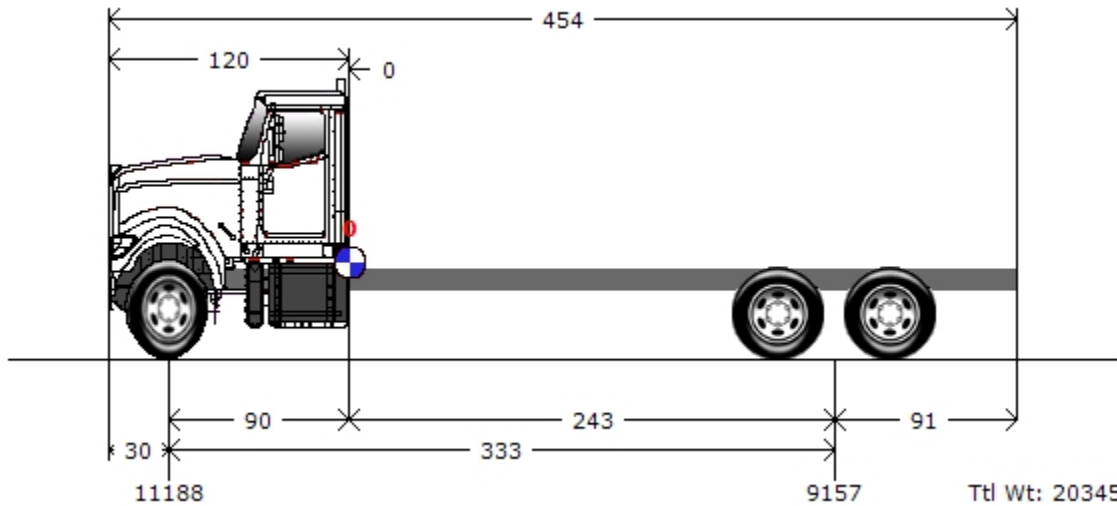
Body/Allied Equipment

<u>Code</u>	<u>Description</u>
-------------	--------------------

<u>Goods Purchased</u>	<u>Description</u>
------------------------	--------------------

	Surcharge for chassis built after 5/15/22
--	---

	Tire surcharge
--	----------------



Graphics are provided as visual aids only and are not intended to represent the actual scale, shape, or color of the truck or its components. All weights are represented in lbs.

Truck			Body/Trailer			Chassis/Empty Weights	
Bumper to Axle	(BA)	30.0	Body Length	(BL)	N/A	Tractor Front Axle:	11,188
Wheelbase	(WB)	333.00				Tractor Rear Axle:	9,157
Axle to Frame	(AF)	91.00					
Axle to Back Cab	(ABC)	90					
Cab to Axle	(CA)	243					
Usable CA		243					
CA Reduction Adjustment		0.00					
Fuel-Diesel(Gals)		0					
DEF(Gals)		0					

Before the Cab			Cab			Payloads			Body			After the Body		
#	Weight	CG	#	Weight	CG	#	Weight	CG	#	Weight	CG	#	Weight	CG
						1	0	1						

Loads		Weight Distribution	
Payload Weight:	0	Total Front Axle:	11,188
Driver:	0	Total Rear Axle:	9,157
Fuel-Diesel(Lbs):	0	Total Weight:	20,345
DEF(Lbs):	0		

Weights and clearances in this proposal are estimates only. Navistar, Inc. is not liable for any consequences resulting from any differences between the estimated weights and clearances and the actual manufactured weights and clearances.

Weight Distribution

All weights are represented in lbs.

	<u>Truck</u>		
	Front	Rear	Total
<u>Chassis Weight</u>			
Chassis Weight:	11,188	9,157	20,345
Fuel:	0	0	0
DEF:	0	0	0
	(Curb Weight): 11,188	9,157	20,345

Loads

Payloads:	0	0	0
Driver:	0	0	0
	Axle Totals (Gross Weight): 11,188	9,157	20,345

Weight Ratings

	<u>Truck</u>	
	Front	Rear
Axle(axle capacity)	20,000	46,000
Tire(tire capacity)	22,800	46,720
Suspension(suspension capacity)	20,000	46,000
Spring:	0	
Fed Bridge Law (axle spread):	20,000	34,000 (56")

Wheel Combination	Load	Limit
1 - 3	20,345	58,500

Federal Total Vehicle Weight Limit: 80,000

Maximum Gross Vehicle Weight Rating (GVWR) 66,000 - Gross Vehicle Weight(GVW) 20,345 = 45,655 Reserves

Weight Summary

* Distributed weights are within capacity limits

GVWR Component Rating(s)

Ratings	Primary			Adjusted By			GAWR* (lbf)	GVWR** (lbf)
	ATA Class	Feature	Rating (lbf)	ATA Class	Feature	Rating (lbf)		
Front Component Ratings	AXLE, FRONT NON-DRIVING	0002ARY	20000					
	BRAKES, FRONT	0004XDT	20000					
	SUSPENSION, FRONT, SPRING	0003ADJ	20000					
	WHEELS, FRONT	0027DVB	22800	TIRE, FRONT	0775266	22700		
Front GAWR							20000	
Rear Component Ratings	BRAKES, REAR	0004XDR	46000					
	BRAKE SYSTEM, AIR	0004091	46000					
	SUSPENSION, REAR, AIR, TANDEM	0014UNX	46000					
	WHEELS, REAR	0028DVP	55560	TIRE, REAR	0737213	46720		
	AXLE, REAR, TANDEM	0014HRL	46000					
Rear GAWR							46000	
Overall Vehicle Limitations	TRANSMISSION, MANUAL	0013GKM	140000					
GVWR Based on Axle Ratings***								66000
Calculated GVWR								66000

GCWR Component Rating(s)

Ratings	Primary			Adjusted By			GCWR**** (lbf)
	ATA Class	Feature	Rating (lbf)	ATA Class	Feature	Rating (lbf)	
GCWR Component Rating	AXLE, REAR, TANDEM	0014HRL	160000				
	TRANSMISSION, MANUAL	0013GKM	140000				
	ENGINE, DIESEL	0012ETN	140000				
Calculated GCWR							140000

* GAWR (Gross Axle Weight Rating) is the rating capacity of an axle system which include wheels, tires, axles, brakes, springs, and suspensions.

** GVWR (Gross Vehicle Weight Rating) is the maximum amount that a loaded vehicle can weight.

*** GVWR Based on Axle Ratings = Front GAWR + Rear GAWR. Overall vehicle weight limitations are not taken into account.

**** GCWR (Gross Combined Weight Rating) is the maximum weight of a tractor and trailer.