

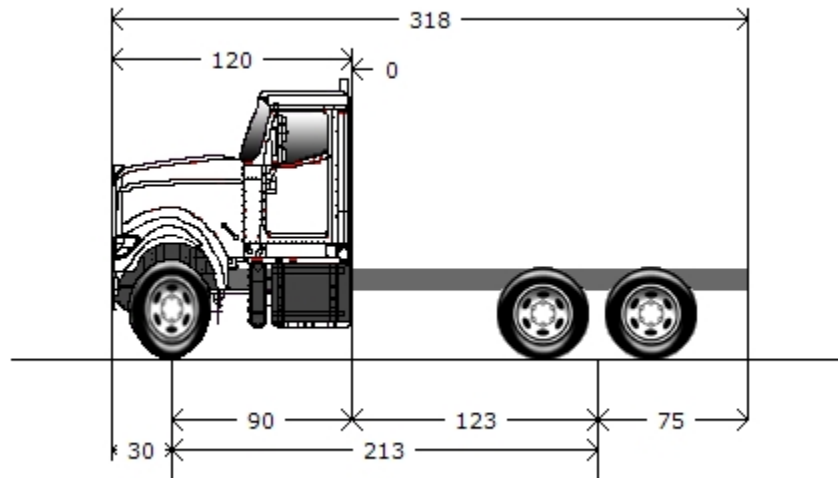
**Prepared For:**

NC SHERIFFS ASSOC.  
 JASON BENNETT  
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 Raleigh, NC 27603-1365  
 (919)743 - 7433  
 Reference ID: HX520

**Presented By:**

White's International Trucks  
 Rick Beavan  
 7045 ALBERT PICK ROAD  
 PO BOX 18605  
 GREENSBORO NC 27419 -  
 (336)668-0491

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.



**Model Profile**  
**2022 HX520 SFA (HX520)**

**AXLE CONFIG:**

6X4

**MISSION:**

Requested GVWR: 54000. Calc. GVWR: 58000  
 Calc. Start / Grade Ability: 33.12% / 3.64% @ 55 MPH  
 Calc. Geared Speed: 71.9 MPH

**DIMENSION:**

Wheelbase: 213.00, CA: 123.00, Axle to Frame: 75.00

**ENGINE, DIESEL:**

{Cummins X15 450 V} Productivity Series, EPA 2021, 450HP @ 1900 RPM, 1650 lb-ft  
 Torque @ 950 RPM, 2000 RPM Governed Speed, 461 Peak HP (Max)

**TRANSMISSION, AUTOMATIC:**

{Allison 4000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double  
 Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off  
 Highway

**CLUTCH:**

Omit Item (Clutch &amp; Control)

**AXLE, FRONT NON-DRIVING:**

{Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

**AXLE, REAR, TANDEM:**

{Meritor MT-40-14X-5DFR} Single Reduction, 40,000-lb Capacity, .5"(12.7mm) Wall  
 Housing Thickness, R Wheel Ends Gear Ratio: 5.29

**CAB:**

Conventional, Day Cab

**TIRE, FRONT:**

(2) 315/80R22.5 Load Range L X MULTIWAY 3D XZE (MICHELIN), 488 rev/mile, 75  
 MPH, All-Position

**TIRE, REAR:**

(8) 11R22.5 Load Range G HDL2 (CONTINENTAL), 493 rev/mile, 75 MPH, Drive

**SUSPENSION, REAR, TANDEM:**

{Hendrickson HMX EX 400} Walking Beam, 40,000-lb Capacity, 54" Axle Spacing,  
 Rubber Springs, with Transverse Torque Rods, Rubber End Bushings

**PAINT:**

Cab schematic 100LY

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Description**

Base Chassis, Model HX520 SFA with 213.00 Wheelbase, 123.00 CA, and 75.00 Axle to Frame.

**AXLE CONFIGURATION**

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AXLE CONFIGURATION {Navistar} 6x4

**Notes**

: Pricing may change if axle configuration is changed.

**ENGINE**

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ENGINE, DIESEL {Cummins X15 450 V} Productivity Series, EPA 2021, 450HP @ 1900 RPM, 1650 lb-ft Torque @ 950 RPM, 2000 RPM Governed Speed, 461 Peak HP (Max)

RADIATOR Aluminum, Welded, Down Flow, Front to Back System, 1325 SqIn, with 806 SqIn Charge Air Cooler

**Includes**

: RADIATOR HOSES Premium, Rubber

FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed

**Includes**

: FAN Nylon

AIR CLEANER Single Element, with Integral Pre-Cleaner, Engine Mounted

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

BLOCK HEATER, ENGINE {Phillips} 120V/1500W

**Includes**

: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door

EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood

FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

FEDERAL EMISSIONS {Cummins X15} EPA, OBD and GHG Certified for Calendar Year 2021

HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type

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

**TRANSMISSION**

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TRANSMISSION, AUTOMATIC {Allison 4000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223

NEUTRAL AT STOP OMIT

OIL COOLER, AUTO TRANSMISSION {Modine} Remote Mounted; Not for use with Retarder

SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming

TRANSMISSION OIL Synthetic; 63 thru 76 Pints

TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission

**Description****CLUTCH**

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CLUTCH Omit Item (Clutch & Control)

**REAR AXLES, SUSPENSIONS**

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AXLE, REAR, TANDEM {Meritor MT-40-14X-5DFR} Single Reduction, 40,000-lb Capacity, .5"(12.7mm) Wall Housing Thickness, R Wheel Ends . Gear Ratio: 5.29

SUSPENSION, REAR, TANDEM {Hendrickson HMX EX 400} Walking Beam, 40,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings

TRANSVERSE TORQUE RODS {Hendrickson} TRAAX Rod, Transverse Only

**FRONT AXLES**

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AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

**FRONT SUSPENSIONS**

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SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 18,000-lb Capacity, with Shock Absorbers

**CABS, COWLS, BODIES**

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CAB Conventional, Day Cab

Includes

- : 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

ACCESS, CAB Aluminum, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab or Sleeper Cab

AIR CONDITIONER with Integral Heater and Defroster

Includes

- : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

CAB INTERIOR TRIM Diamond, for HX Day Cab

Includes

- : DOOR TRIM, INTERIOR Bright Handle
- : INSTRUMENT PANEL TRIM Black, Black Gauges with Black Bezels
- : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood

**Description**

GAUGE CLUSTER Premium Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 5 Inch LCD Color Display

**Includes**

: GAUGE CLUSTER DISPLAY, Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for Fuel/DEF, DPF Level

GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

GRAB HANDLE, EXTERIOR (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry Mounted Left and Right Side at B-Pillar

INSTRUMENT PANEL Wing Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

MIRRORS (2) C-Loop, Black Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width

**Notes**

: Mirror Dimensions are Rounded to the Nearest 0.5"

MODESTY PANEL Painted

SEAT, DRIVER {ISRI} Series 300, Air Suspension, High Back, Vinyl, Single Chamber Lumbar, Inboard Armrest, Suspension Cover, Fore/Aft Isolator, Cushion Extension, Seat Tilt

SEAT, PASSENGER {National} Non Suspension, High Back with Integral Headrest, Vinyl, with Fixed Back, with Under Seat Storage

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

**FRAMES**

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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

BUMPER, FRONT Gull Wing, Aluminum, Stainless Steel Clad, Heavy Duty

CROSSMEMBER, FRAME TIE for Standard Duty

TOW HOOK, FRONT (2) Frame Mounted; 80,000-lb. Total Capacity

WHEELBASE RANGE 211" (535cm) Through and Including 256" (650cm)

**BRAKES**

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BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

**Includes**

: 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

AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System, with Automatic Traction Control

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

BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

**Description**

SLACK ADJUSTERS, FRONT {Gunitite} Automatic

DUST SHIELDS, FRONT BRAKE for Air Cam Brakes

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

BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqrIn Spring Brake

SLACK ADJUSTERS, REAR {Gunitite} Automatic

PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type

DUST SHIELDS, REAR BRAKE for Air Cam Brakes

AIR COMPRESSOR {Cummins} 18.7 CFM

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

AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab

AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail

DRAIN VALVE (2) {Berg} with Pull Chains, for Air Tanks

**STEERING**

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STEERING GEAR (2) {Sheppard M100/M80} Dual Power

STEERING COLUMN Tilting and Telescoping

STEERING WHEEL 4-Spoke; 18" Dia., Black

**DRIVELINES**

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DRIVELINE SYSTEM {Dana Spicer} SPL250 Main Driveline with SPL170 Interaxle Shaft, for 6x4

**EXHAUST SYSTEMS**

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EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Cab Mounted Right Side

AFTERTREATMENT COVER Aluminum

ENGINE COMPRESSION BRAKE {Cummins} Interbrake For Cummins Signature/ISX/X15 Engines; Furnished with Engine

EXHAUST HEIGHT 10'

MUFFLER/TAIL PIPE GUARD (1) Aluminum

TAIL PIPE (1) Straight Type

**ELECTRICAL SYSTEMS**

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ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: 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

**Description**

: 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

ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount

BACK-UP ALARM {Preco 1059} Electronic; Solid State, Dual Function, 112 dBA

BATTERY BOX Aluminum, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab

BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud

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

CB RADIO Accommodation Package; Header Mounted; Feeds From Accessory Side of Ignition Switch; Includes Power Source and One (1) Antenna, Antenna Base with Wiring on Left Side Mirror

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position

HEADLIGHTS Halogen, Composite Combination

HORN, AIR Single, Located Under Cab

HORN, ELECTRIC Disc Style

POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) & USB Port, Located in the Instrument Panel

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input

RUNNING LIGHT (2) Daytime

SPEAKER, AUXILIARY, CB RADIO with Jack for CB; Mounted Left Side Above Driver's Door

SPEAKERS (2) 6.5" Dual Cone Mounted in Doors

STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

STOP, TURN, TAIL & B/U LIGHTS {Weldon} Multi-Function LED Lamp, Mounted Outside Rails, Includes LED License Plate Light

STOP-LIGHT WIRING MODIFIED Stop-Lights Turned on When Engine Compression Brake, Exhaust Brake or Retarder is Activated

TURN SIGNAL SWITCH Self-Canceling

**FRONT END**

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FRONT END Tilting, Composite

BUG SCREEN Mounted Behind Grille

GRILLE Chrome Vertical Accent Bars, with Black Mesh

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

**SPEEDOMETER, TOOLS, MISC**

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PAINT SCHEMATIC, PT-1 Single Color, Design 100

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

**Description**

PROMOTIONAL PACKAGE Government Silver Package

**FUEL TANKS**

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FUEL TANK Non-Polished Aluminum, 24" Dia, 80 US Gal (303L), Mounted Left Side, Under Cab

DEF TANK 10.6 US Gal (40L) Capacity, Frame Mounted Outside Left Rail, Under Cab

FUEL HEATER {Cummins} Omit Plumbing for TRV on Cummins Engines

FUEL/WATER SEPARATOR {Davco Fuel Pro 382} 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor

**WHEELS, TIRES - FRONT**

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WHEELS, FRONT {Accuride 29039} DISC; 22.5x9.00 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs, Non-Standard Offset, with .5" Thick Disc

(2) TIRE, FRONT 315/80R22.5 Load Range L X MULTIWAY 3D XZE (MICHELIN), 488 rev/mile, 75 MPH, All-Position

**WHEELS, TIRES - REAR**

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WHEELS, REAR {Accuride 29169} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs

(8) TIRE, REAR 11R22.5 Load Range G HDL2 (CONTINENTAL), 493 rev/mile, 75 MPH, Drive

**BODY INTEGRATION**

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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

**Services Section:****WARRANTY**

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WARRANTY Standard for HX520, HX620, Effective with Vehicles Built January 1, 2021 or Later, CTS-2015B

SAFETY EQUIPMENT & NC OR DOT INSPECTION.

DEALER PDI & PREP

\*\*\*ADDITIONAL OPTIONS ARE AVAILABLE UPON REQUEST.\*\*\*

\*\*\*MATERIAL & GOVERNMENT SURCHARGES ARE NOT DISCOUNTED.\*\*\*

\*\*\*LOCAL INSTALLATIONS BILLED AT NET PRICE, NOT DISCOUNTED.\*\*\*