

The City of Lawrenceburg requests bids on the following automated side loader to service the city's existing 96 gallon carts. Detailed specifications follow these general requirements.

Tandem axle truck chassis with front mounted pump

Dual steer design – air ride seats

Optional price for school bus type door conversion on right hand side

Diesel engine

Automatic transmission

28 cubic yard body including hopper and tailgate

Air operated side door

8' feet minimum arm reach – 1,600 pound lift capacity

Hopper cover to control litter

Camera system (hopper & tailgate views)

Joy Stick controls & touch pad controls on operator door

LED dual strobe array on tailgate (4 alternating LED strobes)

Body manufacturer to mount unit on truck chassis meeting all Federal safety & Gross Vehicle weight requirements. Complete unit to be painted white in color and delivered to the City of Lawrenceburg, TN.

Warranty for truck chassis and body to be included in bid package. Tow insurance to be included. All warranty work to be performed within 75 miles of Lawrenceburg.

The intent of these specifications is to cover minimum requirements for a fully automated side loading refuse removal body. Failure to complete this information is grounds for rejection of the bid. Bidders are requested to state wherein your equipment meets, or fails to meet the specifications by checking 'Yes' or 'No' in the provided space. Any exceptions must be noted in 'Offered' column			
Body	Yes	No	Offered
Capacity (including hopper) 28 cubic yards			
Body floor material is 3/16 AR plate and supported by 5 1/2" x 5 1/2" x 1/4" C channel cross members that interlace with two each 5" x 3" x 7" x 1/4" trapezoid shaped full length longitudinal members. A 24" strip of 1/4" AR-400 is overlaid on the floor at the hopper/body entrance.			
Body sides are 10GA Hi Tensile, ASTM A-572 Grade 50 plate rolled into a broad radius for added strength. Two (2) body posts formed from 5 1/2" x 5 1/2" x 3/16" C channel are used at each end of the body sides. Right hand body side is tapered 8" front to back for easy and safe unloading. Top of body side is formed for added strength and overlapped 12" into the body roof.			
Body roof material is 10GA Hi Tensile, ASTM A 607, Grade 50 sheet metal rolled into a broad radius with 2" x 2" x 1/8" rolled cross members and bordered by 5 1/2" x 3/16" C channel front and back. Roof is tapered 6" front to back for easy and safe unloading.			
An expanded metal body window is provided for viewing from the cab.			
Tailgate is a (1) piece, bubble style, top hinged. Tailgate uses 10GA ASTM A-572 Grade 50 sheet metal framed with 5 1/2" x 5 1/2" x 3/16" C channel, secured to the body using two (2) sets of hinges with 1 1/2" hinge pins at the roof line. The door is secured in the closed position by means of a self-locking tailgate feature. A heavy duty rubber seal is installed along the bottom and partially up the side 24" to prevent leakage. Tailgate cylinders are 3" bore x 30" stroke with 1 1/4" chrome rods.			
Hopper and Packing Mechanism	Yes	No	Offered
Minimum 4 cubic yard hopper capacity			
Hopper floor and sides are formed from 1/4" T-1, ASTM A 514, Grade B, plate. The hopper clean out trough is located at the front of body for safety and to expedite clean out from behind packer. Cleaning is performed from ground level without the need to physically enter hopper area. Gasketed clean			

<p>out doors are provided on both sides of trough. The packer is guided by (2) 5/16" formed channels lined with AR-500 flat bar. The packer has 2 skids to match the channels in the hopper. The skids are 5/16" formed channel lined with AR-500 strips on the upper and lower surfaces. A replaceable 1-1/2" x 3" black UHMW wear block is used to provide side protection. The block can be replaced or shimmed without removing the packer. The packer frame is formed from 3/8" T-1, ASTM A-514, grade B, plate. Packer has four (4) AR-500 wear plates and retainer teeth.</p>			
<p>The packer follower is part of the packer structure, eliminating the need to roll up vertically. The top of the packer covers 85 percent of the Hopper opening behind the packer face to prevent trash from falling behind the packer. A 1/2" x 18" x 74" hinged plate bolted above the packer with a rubber wiper is installed to seal off the remaining area behind the packer when fully extended.</p>			
<p>The packer cylinders are installed in a horizontal, overlapping design, and have a 5-1/2" bore x 39" stroke. The packer cylinders use a bronze rod scraper and double lip rod seals for long life. Extra-large cover plates are bolted to the face of the packer to aid in the removal of the packer pins. Remote grease hoses are installed to grease the packer pins from ground level.</p>			
<p>To accommodate the hard loading of refuse without dropping the chassis frame, the hopper shall be lowered and an automatic fold down door shall be installed to lower the pitch-in height to 68". The folding door shall use 2 ea. 2" x 10" pneumatic cylinders.</p>			
<p>A pneumatic hopper cover or crusher panel shall be provided to contain refuse</p>			
<p>Automated Arm</p>	Yes	No	Offered
<p>The arm shall be mounted to the body above the packer to retrieve, grip and dump 30-440 gallon cars. The arm shall be mounted on the body to save cab to axle space, relieve the chassis frame of undo stress and does not require a flip-up packer follower system.</p>			
<p>Cycle time for the arm is (7-8) seconds at 750 RPM from the side of the truck.</p>			
<p>Arm will reach a container, centered, 96" from the side of the truck. Cycle time at full reach is (13.5) seconds</p>			

Maximum height from the bottom of a 100 gal cart to the ground in full dump position is less than 150" and cart will be rotated to a 45 degree dump angle.			
Universal grippers shall be capable of picking up 30-450 gallon carts. Grippers are lined with rubber pads for protection and the gripping force can be adjusted from cab.			
Arm reach is linear travel using two (2) tubular rails spaced 30" apart for stability. Before dumping, carts are lifted vertically off the ground 26". All linear travel is done by using 3 1/2" roller bearing cam followers on AR-500 wear strips with adjustment capability for taking up slack due to age. Arm and grips stow to within the legal width and grippers shall be able to stow at any height in the vertical travel.			
The arm uses four cylinders in its operation and all have externally adjustable cushions where needed. Elevation and dump cylinders are plumbed together and sequenced automatically Reach cylinder 2" bore x 72" stroke x 1 1/4" rod. Grip cylinder 2" bore x 8" stroke x 1" rod. Elevation cylinder 2" bore x 26" stroke x 1" rod. Dump cylinder 3" bore x 20" stroke x 1 1/4" rod.			
Controls	Yes	No	Offered
The arm is controlled by using a single metering electric controller (joystick) with a three (3) position electric toggle switch on top for grippers. An extra set of controls consisting of four (4) rocker switches will be installed for back-up and/or driver stress. The fourth rocker switch will be used for auto dump and auto stow cycles.			
Packer is controlled by an electric stop and retract button. Pushing the button will stop the packer, pulling it will retract it and start the cycle. All packer controls and switches shall be electronically operated.			
The tailgate and hoist shall be operated with 3-position, 4-way electric toggle valves. Safety features on tailgate hoist toggle shall be provided.			
Hydraulics	Yes	No	Offered
Direction Control Valves: Two (2) Danfoss PVG 100 proportional valve with electric metering shifting mechanisms. A 3-section for the arm and a 3-section for the packer, hoist and tailgate function.			

Pump: Front mounted tandem pump , rated at 50 GPM at 1700 RPM. One section runs constantly for pack on the fly. Other section comes on automatically in neutral for full flow while loading.			
Hydraulic hoses shall be SAE 100-R2 used with crimp fittings that bite into hose wire.			
Zinc die chromate hydraulic tubing, securely clamped is used where possible. Hydraulic hoses are SAE 100R17 Parker 'Super Tuff' or equal with crimp fittings that bite into the hose wire.			
Hydraulic reservoir is frame mounted 50-gal capacity with 100 mesh suction strainer installed inside. Also included are, a sight glass, magnetic drain plug, 10 micron breather element and 100 GPM 7 micron return filter with fiberglass element.			
Electrical	Yes	No	Offered
A red pilot light shall be installed to indicated "pump on", "hoist up", and "tailgate open". An audible buzzer will sound when tailgate is open and/or hoist is raised. All lights, turn signals and clearance will be LED flush grommet mounted type. All wiring will be labeled for function every 4" for ease in troubleshooting. All electrical connections are done using solder and heat shrink and protected by split loom.			
2 camera system - capable of viewing the hopper, and the area behind the vehicle.			
Lighting	Yes	No	Offered
Flush mounted DOT specified clearance, backup and directional lights			
Center mounted amber strobe light on tailgate			
4 alternating LED strobe lights on tailgate			
Work lights on arm and hopper			
Paint	Yes	No	Offered
(1) coat etching primer			
(2) coats epoxy primer			

(2) coats DuPont Imron 5000 or equal			
Miscellaneous	Yes	No	Offered
10 lb. fire extinguisher mounted to the body			
Body mounted tool rack with rake, broom and shovel			
Cart tool on curb side fender for easy cart retrieval			

Prepared For:
Lawrence County Solid Waste
Gary Wayne Hyde
2126 Baler Dr.
Lawrenceburg, TN 38464-2204
(931)766 - 4469
Reference ID: N/A

Presented By:
CUMBERLAND INTERNATIONAL TRUCKS, INC.
David S Bassham
1901 LEBANON PIKE
NASHVILLE TN 37210 -
(615)256-4633

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
2013 4400 SBA 6X4 (MF035)

MISSION: Requested GVWR: 53220. Calc. GVWR: 53220
Calc. Start / Grade Ability: 29.20% / 1.71% @ 55 MPH
Calc. Geared Speed: 69.3 MPH

DIMENSION: Wheelbase: 238.00, CA: 170.90, Axle to Frame: 96.00

ENGINE, DIESEL: {MaxxForce DT} EPA 10, 285 HP @ 2200 RPM, 860 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed

TRANSMISSION, AUTOMATIC: {Allison 3500_RDS_P} 4th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; Refuse/Mixer; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 60,000-lb GVW Max.

CLUTCH: Omit Item (Clutch & Control)

AXLE, FRONT NON-DRIVING: {Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity

AXLE, REAR, TANDEM: {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 6.43

CAB: Conventional

TIRE, FRONT: (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range H, 16 ply

TIRE, REAR: (8) 11R22.5 G622 RSD (GOODYEAR) 497 rev/mile, load range G, 14 ply

SUSPENSION, REAR, TANDEM: {Hendrickson RT-403} Walking Beam Type 52" Axle Spacing; 40,000-lb Capacity With Rubber Center Bushings

FRAME REINFORCEMENT: Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL

PAINT: Cab schematic 100GA
Location 1: 9219, Winter White (Std)
Chassis schematic N/A

Description

Base Chassis, Model 4400 SBA 6X4 with 238.00 Wheelbase, 170.90 CA, and 96.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 420.0" (10668mm) Maximum OAL

FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL

BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

FRAME EXTENSION, FRONT Bolt On Type; 20" In Front of Grille, Without Crossmember

WHEELBASE RANGE 226" (575cm) Through and Including 291" (740cm)

CROSSMEMBER, SUSPENSION (1) Double Dogbone Intermediate In Lieu of Each Single Dogbone

AXLE, FRONT NON-DRIVING {Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf, 14,000-lb Capacity; With Shock Absorbers

Includes

: SPRING PINS Rubber Bushings, Maintenance-Free

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

: PARKING BRAKE VALVE For Truck

: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

: SLACK ADJUSTERS, FRONT Automatic

: SLACK ADJUSTERS, REAR Automatic

: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4

Notes

: Front and Rear Dust Shields not Included

DRAIN VALVE {Bendix DV-2} Automatic; With Heater; for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)

AIR DRYER {Meritor Wabco System Saver 1200} with Heater

Includes

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

BRAKE CHAMBERS, FRONT AXLE {Haldex} 20 Sqn

Description

BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake

Includes

: BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb.

: BRAKE CHAMBERS, SPRING (4) Rear Parking; WITH TRUCK BRAKES: All 6x4, 6x6; WITH TRACTOR BRAKES: 6x4 & 6x6 with Rear Tandem Axles 46,000-lb. or Greater or GVWR of 54,000-lb. or Greater

BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

DUST SHIELDS, FRONT BRAKE for Air Brakes

DUST SHIELDS, REAR BRAKE for Air Brakes

STEERING COLUMN Tilting

STEERING WHEEL 2-Spoke, 18" Diam., Black

STEERING GEAR {Sheppard HD94} Power

EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Right Side Back of Cab, Includes Horizontal Tail Pipe

Includes

: NOTE: The Horizontal Tailpipe Includes a Temperature Control Device

ENGINE COMPRESSION BRAKE for MaxxForce I6 Engines; Electronically Activated

SWITCH, FOR EXHAUST 2 Position, Lighted & Latching, ON/OFF Type, Mounted in IP, Inhibits Diesel Particulate Filter Regeneration as Long as Switch is in ON Position

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

: BATTERY BOX Steel

: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab

: FUSES, ELECTRICAL SAE Blade-Type

: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover

: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

: HORN, ELECTRIC Single

: JUMP START STUD Located on Positive Terminal of Outermost Battery

: 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

: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature

: TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted

: 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

: WIRING, CHASSIS Color Coded and Continuously Numbered

CIGAR LIGHTER Includes Ash Cup

POWER SOURCE Cigar Type Receptacle without Plug and Cord

Description

ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mounted

BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under 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

BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

2-WAY RADIO Wiring Effects; Wiring With 20 Amp Fuse Protection, Includes Ignition Wire With 5 Amp Fuse, Wire Ends Heat Shrink and 10' Coil Taped to Base Harness

RADIO {International} AM/FM Stereo With Weatherband, Clock, Auxiliary Input, Includes Multiple Speakers

Includes

: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior

: SPEAKERS IN CAB (4) Coaxial with Premium Interior

BACK-UP ALARM Electric, 102 dBA

SWITCH, AUXILIARY Accessory Control; for Wiring in Roof, With Maximum of 20 amp Load With Switches In Instrument Panel

JUMP START STUD Remote Mounted

Includes

: JUMP START STUD Mounted to Battery Box

HORN, AIR Black, Single Trumpet, Air Solenoid Operated

BATTERY DISCONNECT SWITCH {Joseph Pollak 51-315} Positive Type, Lever Operated, Cab Mounted

WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time

TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

INDICATOR, LOW COOLANT LEVEL With Audible Alarm

ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened

HEADLIGHTS Halogen; Composite Aero Design for Two Light System

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses

GRILLE Stationary, Chrome

FRONT END Tilting, Fiberglass, With Three Piece Construction

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "GA"

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

CLUTCH Omit Item (Clutch & Control)

BLOCK HEATER, ENGINE {Phillips} 120 Volt/1250 Watt

Includes

: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door

ENGINE, DIESEL {MaxxForce DT} EPA 10, 285 HP @ 2200 RPM, 860 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed

Includes

Description

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)
: ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for MaxxFace Engines
: COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control
: CRUISE CONTROL Electronic; Controls Integral to Steering Wheel
: ENGINE OIL DRAIN PLUG Magnetic
: ENGINE SHUTDOWN Electric, Key Operated
: FUEL FILTER Included with Fuel/Water Separator
: FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single Assembly; With Water-in-Fuel Sensor; Engine Mounted
: GOVERNOR Electronic
: OIL FILTER, ENGINE Spin-On Type
: WET TYPE CYLINDER SLEEVES

Notes

: Recommend Code 12THT when using front mount obstructions (winches, cones, reels, etc.) that restrict air flow through the radiator.

FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On

Includes

: FAN Nylon

RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 1045 SqIn Louvered, with 373 SqIn CAC, with 369 SqIn LTR, with In-Tank Transmission Oil Cooler

Includes

: DEAERATION SYSTEM with Surge Tank
: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps
: RADIATOR HOSES Premium, Rubber

FEDERAL EMISSIONS for 2010; MaxxFace DT Engines

AIR CLEANER With Service Protection Element

Includes

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxFace post 2007 Emissions Electronic Engines

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

EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Regulations

AUTOMATIC NEUTRAL Allison WT, 3000 & 4000 Series Transmission Shifts to Neutral When Parking Brake is Engaged

TRANSMISSION, AUTOMATIC {Allison 3500_RDS_P} 4th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; Refuse/Mixer; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 60,000-lb GVW Max.

Includes

: OIL FILTER, TRANSMISSION Mounted on Transmission
: TRANSMISSION OIL PAN Magnet in Oil Pan

TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); Front Loaders, Rear Loaders, Recycling/Packer Trucks

SHIFT CONTROL PARAMETERS Allison Performance Programming in Primary and Allison Economy Programming in Secondary

AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump . Gear Ratio: 6.43

Includes

Description

: POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light
: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle

Notes

: The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

SUSPENSION, REAR, TANDEM {Hendrickson RT-403} Walking Beam Type 52" Axle Spacing; 40,000-lb Capacity With Rubber Center Bushings

Notes

: The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions

FUEL/WATER SEPARATOR With Thermostatic Fuel Temperature Controlled Electric Heater, and Filter Restriction/Change Indicator, Includes Standard Equipment Water-in-Fuel Sensor

FUEL TANK Top Draw; D Style, Non Polished Aluminum, 19" Deep, 70 U.S. Gal., 265 L Capacity, With Quick Connect Outlet, Mounted Left Side, Under Cab

Notes

: N/A with 19.5" Tires

CAB Conventional

Includes

: ARM REST (2) Molded Plastic; One Each Door
: CLEARANCE/MARKER LIGHTS (5) Flush Mounted
: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window
: CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel
: DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted
: GLASS, ALL WINDOWS Tinted
: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side
: GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side
: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color
: STEP (4) Two Steps Per Door

GAUGE CLUSTER English With English Electronic Speedometer

Includes

: GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter
: ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout
: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)

GAUGE, OIL TEMP, ALLISON TRAN

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

SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

Includes

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

SEAT, PASSENGER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust

Includes

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

Description

MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Clearance Lights LED, Bright Finish Heads & Brackets

GRAB HANDLE (2) Black, Aluminum; for Cab Entry Mounted Left and Right each Side at "B" Pillar

MIRROR, CONVEX, HOOD MOUNTED (2) {Lang Mekra} Bright, Heated, Left and Right Sides 7.44" Sq

CAB MOUNTING HEIGHT EFFECTS Mid Cab in Lieu of Low Cab Mounting Height (Approx. 4") for Increased Cooling System Requirements

AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium
: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps
: REFRIGERANT Hydrofluorocarbon HFC-134A

INSTRUMENT PANEL Center Section, Flat Panel

HVAC FRESH AIR FILTER

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

CAB INTERIOR TRIM Deluxe

Includes

: "A" PILLAR COVER Molded Plastic
: CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering
: CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket
: DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors
: FLOOR COVERING Rubber, Black
: HEADLINER Soft Padded Cloth
: INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section
: STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door
: SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console

CAB REAR SUSPENSION Air Bag Type

WHEELS, FRONT DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, FRONT WHEELS White

Notes

: Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22.5

WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stub (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, REAR WHEELS White

Notes

: Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22.5

(8) TIRE, REAR 11R22.5 G622 RSD (GOODYEAR) 497 rev/mile, load range G, 14 ply

(2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range H, 16 ply

Cab schematic 100GA

Description

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

SIT DOWN RIGHT HAND DRIVE CONVERSION OR STAND UP RIGHT HAND CONVERSION AVAILABLE AT THE MODIFICATION CENTER.