

**Prepared for:**  
RYAN BAZE  
CITY OF BROKEN ARROW  
1700 W DETROIT ST  
BROKEN ARROW, OK 74012  
Phone: 918-613-3998

**Prepared by:**  
Mike Sartin  
PREMIER TRUCK GROUP OF  
TULSA  
5104 W. 60TH STREET  
TULSA, OK 74107  
Phone: 918-445-5300 ext 4061

*A proposal for*  
**CITY OF BROKEN ARROW**

*Prepared by*  
**PREMIER TRUCK GROUP OF TULSA**  
*Mike Sartin*

*Oct 09, 2025*

**Western Star 49X**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N   P R O P O S A L

| Description                                                                               | Weight<br>Front | Weight<br>Rear |
|-------------------------------------------------------------------------------------------|-----------------|----------------|
| <b>Price Level</b>                                                                        |                 |                |
| 47X/49X PRL-30X (EFF:MY27 ORDERS)                                                         |                 |                |
| <b>Data Version</b>                                                                       |                 |                |
| SPECPRO21 DATA RELEASE VER 008                                                            |                 |                |
| <b>Vehicle Configuration</b>                                                              |                 |                |
| WESTERN STAR 49X                                                                          | 9,175           | 6,500          |
| 2027 MODEL YEAR SPECIFIED                                                                 |                 |                |
| SET FORWARD AXLE - TRACTOR                                                                | -600            | 600            |
| TRAILER TOWING PROVISION FORWARD OF FIFTH WHEEL                                           |                 |                |
| LH PRIMARY STEERING LOCATION                                                              |                 |                |
| <b>General Service</b>                                                                    |                 |                |
| TRACTOR/TRAILER CONFIGURATION                                                             |                 |                |
| DOMICILED, USA 50 STATES (EPA CLEAN IDLE LABEL OR NO CLEAN IDLE REQUIRED)                 |                 |                |
| EPA CLEAN IDLE LABEL - (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)          |                 |                |
| CONSTRUCTION SERVICE                                                                      |                 |                |
| GOVERNMENT BUSINESS SEGMENT                                                               |                 |                |
| DIRT/SAND/ROCK COMMODITY                                                                  |                 |                |
| TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS                 |                 |                |
| MAXIMUM 8% EXPECTED GRADE                                                                 |                 |                |
| SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE |                 |                |
| WESTERN STAR VOCATIONAL WARRANTY                                                          |                 |                |
| EXPECTED FRONT AXLE(S) LOAD : 14320.0 lbs                                                 |                 |                |
| EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs                                            |                 |                |

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| EXPECTED GROSS VEHICLE WEIGHT CAPACITY<br>: 54320.0 lbs                                               |                 |                |
| EXPECTED GROSS COMBINATION WEIGHT :<br>80000.0 lbs                                                    |                 |                |
| <b>Truck Service</b>                                                                                  |                 |                |
| TRACTOR ONLY WITH NO BODY UPFIT                                                                       |                 |                |
| <b>Tractor Service</b>                                                                                |                 |                |
| DRY BULK TRAILER<br>SINGLE (1) TRAILER                                                                |                 |                |
| <b>Engine</b>                                                                                         |                 |                |
| DETROIT DD15 GEN 5 HIGH POWER 14.8L 505<br>HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @<br>975 RPM       |                 |                |
| <b>Electronic Parameters</b>                                                                          |                 |                |
| 75 MPH ROAD SPEED LIMIT                                                                               |                 |                |
| CRUISE CONTROL SPEED LIMIT SAME AS ROAD<br>SPEED LIMIT, WITH AUTO RESUME AFTER<br>SHIFT               |                 |                |
| FLEET MANAGEMENT - DAILY ENGINE USAGE<br>ENABLED                                                      |                 |                |
| PTO MODE ENGINE RPM LIMIT - 1000 RPM                                                                  |                 |                |
| PTO MODE PTO 1 & 2 THROTTLE OVERRIDE<br>ENABLED                                                       |                 |                |
| PTO RPM CONTROL WITH STEERING WHEEL<br>SWITCHES                                                       |                 |                |
| PTO MODE COOLING FAN ENABLE                                                                           |                 |                |
| PTO MODE RPM INCREMENT - 50 RPM                                                                       |                 |                |
| PTO GOVERNOR RAMP RATE - 50 RPM PER<br>SECOND                                                         |                 |                |
| FUEL DOSING OF AFTERTREATMENT ENABLED<br>IN PTO MODE-CLEANS HYDROCARBONS AT<br>HIGH TEMPERATURES ONLY |                 |                |
| ONE PTO SPEED VIA DASH SWITCH                                                                         |                 |                |
| PTO SPEED 1 SETTING - 625 RPM                                                                         |                 |                |
| ENGINE BRAKE WITH GLOBAL CRUISE<br>CONTROL ENABLED                                                    |                 |                |
| PTO MINIMUM RPM - 625                                                                                 |                 |                |
| ENABLE DPF REGEN ZONE 1 WITH AUTO<br>ENGINE RPM ELEVATE FOR EXTENDED IDLE                             |                 |                |
| MAINTENANCE SYSTEM WITH MENU AND POP-<br>UPS IN INSTRUMENT CLUSTER                                    |                 |                |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| PTO 1, DASH SWITCH, STATIONARY<br>OPERATION                                                                                                                              |                 |                |
| PTO 2, DASH SWITCH, ENGAGE BEFORE<br>DRIVING                                                                                                                             |                 |                |
| PTO 2 MODE ENGINE RPM LIMIT - 1200 RPM                                                                                                                                   |                 |                |
| <b>Engine Equipment</b>                                                                                                                                                  |                 |                |
| EPA 2010/GHG 2024 CONFIGURATION                                                                                                                                          |                 |                |
| ALUMINUM OIL PAN                                                                                                                                                         |                 |                |
| ENGINE MOUNTED OIL CHECK AND FILL                                                                                                                                        |                 |                |
| SIDE OF HOOD AIR INTAKE WITH ENGINE<br>MOUNTED AIR CLEANER                                                                                                               |                 |                |
| LN 12V 185 AMP BRUSHLESS 2333GH PAD<br>MOUNT ALTERNATOR WITH REMOTE BATTERY<br>VOLT SENSE, LAMP TERMINAL AND HEX SHAFT                                                   | -10             |                |
| (3) DTNA GENUINE, FLOODED STARTING, MIN<br>3000CCA, 555RC, THREADED STUD BATTERIES                                                                                       | -10             |                |
| BATTERY BOX WITH ALUMINUM COVER<br>MOUNTED SHORT SIDE TO RAIL                                                                                                            | -25             |                |
| SINGLE BATTERY BOX FRAME MOUNTED LH<br>SIDE BACK OF CAB                                                                                                                  |                 |                |
| WIRE GROUND RETURN FOR BATTERY CABLES<br>WITH ADDITIONAL FRAME GROUND RETURN                                                                                             |                 |                |
| POLISHED DIAMOND PLATE BATTERY BOX<br>COVER WITH TETHER                                                                                                                  |                 |                |
| NON-ESSENTIAL POSITIVE LOAD DISCONNECT,<br>IN CAB CONTROL SWITCH MOUNTED<br>OUTBOARD OF DRIVER SEAT                                                                      | 2               |                |
| POSITIVE AND NEGATIVE POSTS FOR<br>JUMPSTART LOCATED ON FRAME NEXT TO<br>STARTER                                                                                         | 2               |                |
| BW MODEL FE-921 19.0 CFM SINGLE CYLINDER<br>AIR COMPRESSOR WITH SAFETY VALVE                                                                                             |                 |                |
| ELECTRONIC ENGINE INTEGRAL SHUTDOWN<br>PROTECTION SYSTEM                                                                                                                 |                 |                |
| JACOBS COMPRESSION BRAKE                                                                                                                                                 |                 |                |
| RH OUTBOARD UNDER STEP MOUNTED<br>HORIZONTAL AFTERTREATMENT SYSTEM<br>ASSEMBLY WITH RH B-PILLAR MOUNTED<br>VERTICAL TAILPIPE                                             |                 |                |
| ENGINE AFTERTREATMENT DEVICE,<br>AUTOMATIC OVER THE ROAD ACTIVE<br>REGENERATION AND VIRTUAL REGENERATION<br>REQUEST SWITCH IN CLUSTER AND DASH<br>MOUNTED INHIBIT SWITCH |                 |                |

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## Transmission

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| Description                                                                                                                                        | Weight<br>Front | Weight<br>Rear |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| DT12-1650-OV VOCATIONAL 12-SPEED<br>OVERDRIVE AUTOMATED MANUAL<br>TRANSMISSION                                                                     |                 |                |
| <b>Transmission Equipment</b>                                                                                                                      |                 |                |
| DT12 PERFORMANCE PKG: ECONOMY,<br>PERFORMANCE AND OFFROAD, WITH ICU<br>CONTROL MENUS, WITH KICKDOWN,<br>PERSISTENT                                 |                 |                |
| ROCK FREE AND PAVER MODES - DETROIT<br>TRANSMISSION                                                                                                |                 |                |
| MAXIMUM OUTPUT SPEED FOR PTO<br>ENGAGEMENT 50 RPM                                                                                                  |                 |                |
| DT12 REAR PTO LOW SPEED RATIO                                                                                                                      |                 |                |
| NO AUX/ACC TRANSMISSION WIRING                                                                                                                     |                 |                |
| DETROIT HEAVY DUTY AUTOMATED MANUAL<br>TRANSMISSION CLUTCH                                                                                         |                 |                |
| ALUMINUM CLUTCH HOUSING                                                                                                                            |                 |                |
| (2) PTO'S: CUSTOMER INSTALLED CHELSEA<br>489DA SERIES PTO AND CUSTOMER<br>INSTALLED DT12 REAR MOUNTED PTO FOR<br>CUSTOMER INSTALLED HYDRAULIC PUMP |                 |                |
| PTO MOUNTING, BOTTOM AND RH REAR FOR A<br>REAR MOUNTED PTO DETROIT & EATON<br>FULLER TRANSMISSION                                                  | 15              |                |
| MAGNETIC PLUGS, ENGINE DRAIN,<br>TRANSMISSION DRAIN, AXLE(S) FILL AND<br>DRAIN                                                                     |                 |                |
| HEAVY DUTY ELECTRONIC TRANSMISSION<br>SHIFT CONTROL, COLUMN MOUNTED                                                                                |                 |                |
| AIR TO OIL TRANSMISSION COOLER                                                                                                                     | 15              |                |
| SYNTHETIC TRANSMISSION LUBE                                                                                                                        |                 |                |

#### Front Axle and Equipment

DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74  
 DROP SINGLE FRONT AXLE  
 CONMET PRESET PLUS PREMIUM IRON FRONT  
 HUBS  
 MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT  
 BRAKES, DOUBLE ANCHOR, FABRICATED  
 SHOES  
 2011/2013-FMVSS 121 RSD FRONT BRAKE  
 LINING  
 CONMET CAST IRON FRONT BRAKE DRUMS  
 FRONT BRAKE DUST SHIELDS  
 FRONT OIL SEALS

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| Description                                                                                                    | Weight<br>Front | Weight<br>Rear |
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| VENTED FRONT HUB CAPS WITH WINDOW,<br>CENTER AND SIDE PLUGS - OIL                                              |                 |                |
| HALDEX AUTOMATIC FRONT SLACK<br>ADJUSTERS W/ SINGLE PIN CLEVIS                                                 |                 |                |
| SINGLE HIGH CAPACITY POWER STEERING<br>GEAR, BENDIX, 14.6-18K                                                  | -18             |                |
| 2 QUART SEE THROUGH POWER STEERING<br>RESERVOIR                                                                |                 |                |
| CURRENT AVAILABLE SYNTHETIC 75W-90<br>FRONT AXLE LUBE                                                          |                 |                |
| <b>Front Suspension</b>                                                                                        |                 |                |
| 14,600# TAPERLEAF FRONT SUSPENSION                                                                             | 90              |                |
| MAINTENANCE FREE RUBBER BUSHINGS -<br>FRONT SUSPENSION                                                         |                 |                |
| FRONT SHOCK ABSORBERS                                                                                          |                 |                |
| <b>Rear Axle and Equipment</b>                                                                                 |                 |                |
| MERITOR MT-40-14XP 40,000# R-SERIES<br>TANDEM REAR AXLE WITH PUMP                                              |                 | -30            |
| CONMET PRESET PLUS PREMIUM IRON REAR<br>HUBS                                                                   |                 | 60             |
| 3.25 REAR AXLE RATIO                                                                                           |                 |                |
| IRON REAR AXLE CARRIER WITH OPTIONAL<br>HEAVY DUTY AXLE HOUSING                                                |                 | 40             |
| RPL25SD MERITOR MAIN DRIVELINE                                                                                 | -40             | -40            |
| RPL20 MERITOR INTERAXLE DRIVELINE                                                                              |                 |                |
| DRIVER CONTROLLED TRACTION<br>DIFFERENTIAL - BOTH TANDEM REAR AXLES                                            |                 | 30             |
| (1) INTERAXLE LOCK VALVE, (1) DRIVER<br>CONTROLLED DIFFERENTIAL LOCK FORWARD-<br>REAR AND REAR-REAR AXLE VALVE |                 |                |
| INDICATOR LIGHT FOR EACH INTERAXLE<br>LOCKOUT SWITCH                                                           |                 |                |
| INDICATOR LIGHT FOR EACH DIFFERENTIAL<br>LOCKOUT SWITCH                                                        |                 |                |
| MERITOR 16.5X8.62 Q+ CAST SPIDER CAM<br>REAR BRAKES, DOUBLE ANCHOR, FABRICATED<br>SHOES                        |                 |                |
| 2011/2013-FMVSS 121 RSD REAR BRAKE<br>LININGS                                                                  |                 |                |
| BRAKE CAMS AND CHAMBERS ON FORWARD<br>SIDE OF DRIVE AXLE(S) WITH AUXILIARY<br>SUPPORT BRACKETS                 |                 |                |
| CONMET CAST IRON REAR BRAKE DRUMS                                                                              |                 |                |

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| REAR BRAKE DUST SHIELDS                                                                          |                 | 5              |
| REAR OIL SEALS                                                                                   |                 |                |
| WABCO TRISTOP D LONGSTROKE 2-DRIVE<br>AXLE SPRING PARKING CHAMBERS                               |                 |                |
| MERITOR AUTOMATIC REAR SLACK<br>ADJUSTERS                                                        |                 |                |
| CURRENT AVAILABLE SYNTHETIC 75W-90 REAR<br>AXLE LUBE                                             |                 |                |
| STANDARD REAR AXLE BREATHER(S)                                                                   |                 |                |
| <b>Rear Suspension</b>                                                                           |                 |                |
| AIRLINER 46,000# REAR SUSPENSION                                                                 |                 | 330            |
| 9.5 INCH NOMINAL RIDE HEIGHT (460MM<br>GLOBAL REFERENCE HEIGHT)                                  |                 |                |
| RESTRAINED AXLE SEATS IN AXLE CLAMP<br>GROUP                                                     |                 |                |
| 51 INCH AXLE SPACING                                                                             |                 |                |
| IGNITION CONTROLLED ELECTRIC DUMP<br>SWITCH FOR AIR SUSPENSION WITH STATE<br>RETENTION AND GAUGE |                 |                |
| REAR AIR SUSPENSION DUMP VALVE AUTOFILL<br>>5 MPH WITH INDICATOR LIGHT                           |                 |                |
| SINGLE AIR REAR SUSPENSION LEVELING<br>VALVE                                                     |                 |                |
| TRANSVERSE CONTROL RODS                                                                          |                 |                |
| REAR SHOCK ABSORBERS - TWO AXLES<br>(TANDEM) (AIR RIDE SUSPENSION)                               |                 | 20             |
| <b>Pusher / Tag Equipment</b>                                                                    |                 |                |
| NO PUSHER/TAG BRAKE DUST SHIELDS                                                                 |                 |                |
| <b>Brake System</b>                                                                              |                 |                |
| WABCO 4S/4M ABS WITH HILL START AID AND<br>TRACTION CONTROL WITH ATC SHUT OFF<br>SWITCH          |                 |                |
| REINFORCED NYLON, FABRIC BRAID AND WIRE<br>BRAID CHASSIS AIR LINES                               |                 |                |
| RELAY VALVE WITH 3-4.5 PSI CRACK<br>PRESSURE, NO REAR PROPORTIONING VALVE                        |                 |                |
| WABCO SYSTEM SAVER HP WITH INTEGRAL<br>AIR GOVERNOR AND HEATER                                   |                 |                |
| WABCO OIL COALESCING FILTER FOR AIR<br>DRYER                                                     |                 |                |
| AIR DRYER FRAME MOUNTED                                                                          |                 |                |

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| STEEL AIR BRAKE RESERVOIRS, NO TRIPLE OR<br>TORPEDO TANKS                                                                               |                 |                |
| PULL CABLES ON ALL AIR RESERVOIR(S)                                                                                                     |                 |                |
| QUICK DISCONNECT FITTING WITH TIRE<br>INFLATION KIT                                                                                     | 2               |                |
| <b>Trailer Connections</b>                                                                                                              |                 |                |
| 20 FOOT STRAIGHT TRAILER AIR HOSE                                                                                                       | 12              |                |
| 40 INCH CHROME POGOSTICK WITH U-BOLT<br>HOLDER MOUNTED ON DECK PLATE                                                                    | 2               |                |
| (1) ADDITIONAL SWITCH FOR ELEC/AIR<br>SOLENOID W/STATE RETENTION PLUMBED TO<br>END OF FRAME                                             |                 |                |
| COMBINATION DUMMY GLAD HANDS AND<br>LIGHT PLUG HOLDER MOUNTED LH BACK OF<br>CAB WITH GROUND ACCESS                                      |                 |                |
| SAE J560 7-WAY PRIMARY TRAILER CABLE<br>RECEPTACLE MOUNTED BACK OF CAB/BACK<br>OF SLEEPER                                               |                 |                |
| PRIMARY CONNECTOR/RECEPTACLE WIRED<br>FOR SEPARATE STOP/TURN, ABS CENTER PIN<br>POWERED THROUGH IGNITION                                |                 |                |
| 2-WAY HD 90 AMP MOLDED PLASTIC<br>RECEPTACLE WIRED HOT, MTD LH ON BOC                                                                   |                 |                |
| PAINTED STRADDLE BRACKET LOCATED 24"<br>BACK OF CAB/BACK OF SLEEPER                                                                     |                 |                |
| 15' DETACHABLE COILED HEAVY DUTY CABLE,<br>DUAL POLE TRACTOR AND TRAILER                                                                | 12              |                |
| 20 FOOT DETACHABLE COILED PRIMARY<br>TRAILER ELECTRICAL CABLE WITH SAE J560<br>CONNECTOR WITH 48 INCH TRACTOR, 12 INCH<br>TRAILER LEADS | 10              |                |
| <b>Wheelbase &amp; Frame</b>                                                                                                            |                 |                |
| 4840MM (191 INCH) WHEELBASE, SFA ONLY                                                                                                   |                 |                |
| 13.0MM X 87.0MM X 311.0MM STEEL FRAME<br>(0.51X3.43X12.24 INCH) 120 KSI                                                                 | 200             | 380            |
| 1475MM (58 INCH) REAR FRAME OVERHANG                                                                                                    |                 |                |
| FRAME OVERHANG RANGE: 51 INCH TO 60<br>INCH                                                                                             | -20             | 30             |
| CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :<br>99.21 in                                                                                  |                 |                |
| CALC'D FRAME LENGTH - OVERALL : 278.32 in                                                                                               |                 |                |
| FRAME HEIGHT TOP FRONT UNLADEN : 42.27 in                                                                                               |                 |                |
| FRAME HEIGHT TOP FRONT LADEN : 40.42 in                                                                                                 |                 |                |

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| FRAME HEIGHT TOP REAR UNLADEN : 42.26 in               |                 |                |
| FRAME HEIGHT TOP REAR LADEN : 40.95 in                 |                 |                |
| FLANGE TAPERED END OF FRAME, GRIND AND<br>POLISH WELDS |                 |                |
| STANDARD WEIGHT ENGINE CROSSMEMBER                     |                 |                |
| HEAVY DUTY BACK OF TRANSMISSION<br>CROSSMEMBER         | 10              |                |
| STANDARD CAST ALUMINUM MIDSHIP                         |                 |                |
| HEAVY DUTY REAR CROSSMEMBER                            |                 | 70             |
| HEAVY DUTY SUSPENSION CROSSMEMBER                      |                 | 30             |
| CAST ALUMINUM REAR SUSPENSION<br>CROSSMEMBER           |                 |                |

#### Chassis Equipment

|                                                                  |    |    |
|------------------------------------------------------------------|----|----|
| POLISHED ALUMINUM DIAMOND PLATE WST<br>EQUIPMENT COVERS          |    |    |
| LH BACK OF CAB ACCESS, GRAB HANDLES<br>WITH SINGLE RUBBER INSERT |    |    |
| 56 INCH (1400MM) DECK PLATE FLUSH<br>MOUNTED BETWEEN RAILS       | 6  | 6  |
| BRIGHT STEEL 1/8 INCH VOCATIONAL BUMPER                          |    |    |
| FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS                            |    |    |
| REMOVABLE PROUD CENTERED FRONT TOW<br>PIN                        | 50 |    |
| BUMPER MOUNTING FOR SINGLE LICENSE<br>PLATE                      |    |    |
| BETTS B-23 PAINTED COILED MUDFLAP<br>BRACKETS                    |    | 25 |
| CLASS 10.9 THREADED METRIC FASTENERS                             |    |    |
| EXTERIOR HARNESSSES WRAPPED IN<br>ABRASION TAPE                  |    |    |

#### Fifth Wheel

|                                                                   |    |     |
|-------------------------------------------------------------------|----|-----|
| HOLLAND FW35N 18 INCH NO TILT AIR SLIDE                           | 30 | 550 |
| FIFTH WHEEL 152MM (06.0 INCHES) AHEAD OF<br>SUSPENSION CENTERLINE |    |     |
| 224MM (8.81 INCH) FIFTH WHEEL HEIGHT                              |    | 5   |
| STEEL OUTBOARD ANGLE - FIFTH WHEEL<br>MOUNTING                    |    |     |
| DASH MOUNTED CONTROL AND PLUMBING<br>FOR FIFTH WHEEL              |    |     |
| LH FIFTH WHEEL RELEASE                                            |    |     |

#### Fuel Tanks

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| 100 GALLON/378 LITER ALUMINUM FUEL TANK - LH                                                                        | -15             | -10            |
| 60 GALLON ALUMINUM HYDRAULIC RESERVOIR, RH WITH 1-1/4 INCH NPT, INBOARD BELOW RAIL FTGS, WITH FLUID LEVEL GAUGE     | 60              | 55             |
| 25 INCH DIAMETER FUEL TANK(S)                                                                                       |                 |                |
| PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS                                              |                 |                |
| FUEL TANK(S) FORWARD                                                                                                |                 |                |
| SINGLE HYDRAULIC TANK FRAME MOUNTED RH SIDE BACK OF CAB                                                             |                 |                |
| POLISHED STEP FINISH                                                                                                |                 |                |
| CHROME FUEL TANK CAP(S)                                                                                             |                 |                |
| EQUIFLO INBOARD FUEL SYSTEM                                                                                         |                 |                |
| HIGH TEMPERATURE REINFORCED NYLON FUEL LINE                                                                         |                 |                |
| <b>Tires</b>                                                                                                        |                 |                |
| CONTINENTAL HSR3 11R24.5 16 PLY RADIAL FRONT TIRES                                                                  | 60              |                |
| CONTINENTAL INTELLIGENT HDC3 11R22.5 16 PLY RADIAL REAR TIRES                                                       |                 | 192            |
| <b>Wheels</b>                                                                                                       |                 |                |
| ALCOA ULTRA ONE 98U63X 24.5X8.25 10-HUB PILOT 5.77 INSET ALUMINUM DISC FRONT WHEELS                                 | -38             |                |
| ALCOA 88167X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS                                                       |                 | -248           |
| FRONT WHEEL MOUNTING NUTS                                                                                           |                 |                |
| REAR WHEEL MOUNTING NUTS                                                                                            |                 |                |
| <b>Cab Exterior</b>                                                                                                 |                 |                |
| 121 INCH BBC ALUMINUM CONVENTIONAL CAB                                                                              |                 |                |
| STAINLESS STEEL CAB ACCENT MOLDING                                                                                  |                 |                |
| FRONT FENDERS                                                                                                       |                 |                |
| BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS                                                                           | 10              |                |
| INTERIOR GRAB HANDLES WITH ADDED LOWER LH AND RH A PILLAR GRAB HANDLES AND LH AND RH EXTERIOR NON-SLIP GRAB HANDLES |                 |                |
| BRIGHT HOOD MOUNTED AIR INTAKE GRILLE, BLACK SCREEN, WITH LED ACCENT LIGHTS                                         |                 |                |

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| Description                                                                                                                                               | Weight<br>Front | Weight<br>Rear |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| X-SERIES STEEL REINFORCED ALUMINUM CAB                                                                                                                    |                 |                |
| X-SERIES VOCATIONAL HOOD                                                                                                                                  |                 |                |
| HOOD OPENING ASSIST WITH LOCKING STRUT                                                                                                                    |                 |                |
| WESTERN STAR NAMEPLATES                                                                                                                                   |                 |                |
| DUAL HADLEY SD-978 26 INCH RECTANGULAR<br>AIR HORNS                                                                                                       |                 |                |
| SINGLE ELECTRIC HORN                                                                                                                                      |                 |                |
| REAR LICENSE PLATE MOUNT END OF FRAME                                                                                                                     |                 |                |
| DUAL STAGE INTELLIGENT LED HEADLIGHTS<br>WITH HEATED LENS SYSTEM                                                                                          |                 |                |
| VISOR MOUNTED LED MARKER LIGHTS                                                                                                                           |                 |                |
| DAYTIME RUNNING LIGHTS TO ACTIVATE<br>MARKER, CLEARANCE AND TAIL LIGHTS                                                                                   |                 |                |
| INTEGRAL LED STOP/TAIL/BACKUP LIGHTS                                                                                                                      |                 |                |
| LED REAR FACING TURN SIGNAL LAMPS IN<br>CONVEX MIRROR LENS IN ADDITION TO<br>STANDARD                                                                     | 2               |                |
| C-BAR MIRROR SYSTEM WITH DUAL HEATED<br>MIRRORS WITH INTEGRAL HEATED CONVEX,<br>DUAL REMOTE, TURN SIGNAL, STAINLESS<br>STEEL BACK COVER, AND BRIGHT C-BAR | 20              |                |
| 102 INCH EQUIPMENT WIDTH                                                                                                                                  |                 |                |
| LH AND RH CONVEX MIRRORS INTEGRAL WITH<br>PRIMARY MIRRORS                                                                                                 |                 |                |
| RH DOWN VIEW MIRROR                                                                                                                                       |                 |                |
| RH AND LH HEATED BLACK HOOD/FENDER<br>MOUNTED SIDE VIEW MIRRORS WITH BLACK<br>MOUNTING ARM                                                                | 8               |                |
| STANDARD SIDE/REAR REFLECTORS                                                                                                                             |                 |                |
| REAR REFLECTIVE DEVICE                                                                                                                                    |                 |                |
| POLISHED ALUMINUM DIAMOND PLATE WST<br>AFTERTREATMENT SYSTEM COVER                                                                                        |                 |                |
| NO SLEEPER VENT                                                                                                                                           | -10             |                |
| STAINLESS STEEL EXTERIOR SUN VISOR WITH<br>INTEGRAL MARKER LIGHTS                                                                                         | 16              |                |
| SINGLE SOLAR TINTED REAR WINDOW, (1) 31<br>INCH X 20 INCH                                                                                                 | -10             |                |
| 1-PIECE ROPED-IN SOLAR GREEN GLASS<br>WINDSHIELD                                                                                                          |                 |                |
| 8 LITER (2 GAL) WINDSHIELD WASHER<br>RESERVOIR, CAB MOUNTED, WITH FLUID<br>LEVEL INDICATOR                                                                |                 |                |

## Cab Interior

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| Description                                                                                                                                                      | Weight<br>Front | Weight<br>Rear |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| X-SERIES PREMIUM INTERIOR TRIM LEVEL PACKAGE                                                                                                                     |                 |                |
| CHARCOAL BLACK VINYL UP LEVEL INTERIOR CARBON WITH PREMIUM TEAK ACCENT                                                                                           |                 |                |
| BLACK MATS WITH ADDED FLOOR HEAT AND NOISE INSULATION                                                                                                            |                 |                |
| (2) DASH MOUNTED POWER OUTLETS AND COIN TRAY                                                                                                                     |                 |                |
| FORWARD ROOF MOUNTED CONSOLE                                                                                                                                     |                 |                |
| LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS                                                                                                |                 |                |
| (2) COAT HOOKS ON BACKWALL OF CAB                                                                                                                                |                 |                |
| NO UPPER BUNK                                                                                                                                                    | -50             | -50            |
| DIGITAL ALARM CLOCK IN DRIVER DISPLAY                                                                                                                            |                 |                |
| 2-1/2 LB. FIRE EXTINGUISHER MOUNTED INBOARD OF DRIVER SEAT                                                                                                       | 5               |                |
| STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY                                                                                           |                 |                |
| RADIATOR MOUNTED AIR CONDITIONER CONDENSER                                                                                                                       |                 |                |
| PREMIUM INSULATION                                                                                                                                               |                 |                |
| PREMIUM LED CAB LIGHTING                                                                                                                                         |                 |                |
| REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS                                                                                                                          | 2               |                |
| DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME                                                                                                                    |                 |                |
| KEY QUANTITY OF 4                                                                                                                                                |                 |                |
| LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION                                                             |                 |                |
| BRIGHT DOOR HANDLES                                                                                                                                              |                 |                |
| NO MATTRESS                                                                                                                                                      | -20             | -15            |
| ELITE 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT W/2 AIR LUMBAR,ACTIVE BOLSTER,INTEGRATED CUSHION EXTENSION, TILT,ADJUSTABLE SHOCK, MAP POCKET, HEAT & VENTILATION | 30              |                |
| PREMIUM 2.0 HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK                                   | 40              | 15             |
| BLACK SUSPENSION COVER FOR DRIVER AND PASSENGER SEATS                                                                                                            | 4               |                |

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| Description                                                                                              | Weight<br>Front | Weight<br>Rear |
|----------------------------------------------------------------------------------------------------------|-----------------|----------------|
| DUAL DRIVER SEAT ARMRESTS, NO<br>PASSENGER SEAT ARMRESTS                                                 |                 |                |
| BLACK LAREDO LEATHER DRIVER SEAT COVER<br>WITH DIAMOND STITCHED CENTER PANELS<br>AND EMBROIDERED LOGO    |                 |                |
| BLACK LAREDO LEATHER PASSENGER SEAT<br>COVER WITH DIAMOND STITCHED CENTER<br>PANELS AND EMBROIDERED LOGO |                 |                |
| 3 POINT ADJUSTABLE D-RING RETRACTOR<br>DRIVER AND FIXED D-RING RETRACTOR<br>PASSENGER SEAT BELTS         |                 |                |
| ADJUSTABLE TILT AND TELESCOPING<br>STEERING COLUMN                                                       |                 |                |
| 4-SPOKE 18 INCH (450MM) LEATHER WRAPPED<br>STEERING WHEEL WITH CHROME SWITCH<br>BEZELS                   |                 |                |
| DRIVER AND PASSENGER INTERIOR SUN<br>VISORS WITH ILLUMINATED VANITY MIRRORS                              |                 |                |

### Instruments & Controls

|                                                                                                    |   |   |
|----------------------------------------------------------------------------------------------------|---|---|
| STANDARD FOOT PEDAL SYSTEM                                                                         |   |   |
| ELECTRONIC ACCELERATOR CONTROL WITH<br>KICK DOWN FEATURE                                           |   |   |
| BRIGHT ARGENT FINISH GAUGE BEZELS                                                                  |   |   |
| STANDARD CENTER INSTRUMENT PANEL                                                                   |   |   |
| ((1) PNEUMATIC TRACTOR AND (1) TRAILER<br>BRAKE APPLICATION AIR GAUGE                              |   |   |
| DUAL NEEDLE PRIMARY AND SECONDARY AIR<br>PRESSURE GAUGE                                            |   |   |
| DASH MOUNTED AIR RESTRICTION INDICATOR<br>WITH GRADUATIONS                                         | 2 |   |
| 97 DB BACKUP ALARM                                                                                 |   | 3 |
| ELECTRONIC CRUISE CONTROL WITH<br>CONTROLS ON STEERING WHEEL SPOKES                                |   |   |
| KEY OPERATED IGNITION SWITCH AND<br>INTEGRAL START POSITION; 4 POSITION<br>OFF/RUN/START/ACCESSORY |   |   |
| PREMIUM INSTRUMENT CLUSTER WITH 5.0<br>INCH TFT COLOR DISPLAY                                      |   |   |
| DIGITAL PANEL LAMP DIMMER SWITCH IN<br>DRIVER DISPLAY                                              |   |   |
| HEAVY DUTY ONBOARD DIAGNOSTICS<br>INTERFACE CONNECTOR WITH DUST CAP<br>LOCATED BELOW LH DASH       |   |   |
| 2 INCH ELECTRIC FUEL GAUGE                                                                         |   |   |

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| Description                                                                                                                              | Weight<br>Front | Weight<br>Rear |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| FUEL FILTER RESTRICTION INDICATOR                                                                                                        |                 |                |
| ENGINE REMOTE INTERFACE NOT<br>CONFIGURED                                                                                                |                 |                |
| ELECTRICAL ENGINE COOLANT TEMPERATURE<br>GAUGE                                                                                           |                 |                |
| ENGINE OIL TEMPERATURE GAUGE                                                                                                             |                 |                |
| ELECTRIC ENGINE OIL PRESSURE GAUGE                                                                                                       |                 |                |
| 2 INCH TRANSMISSION OIL TEMPERATURE<br>GAUGE                                                                                             |                 |                |
| ELECTRONIC OUTSIDE TEMPERATURE<br>SENSOR DISPLAY IN DRIVER MESSAGE<br>CENTER                                                             |                 |                |
| ENGINE AND TRIP HOUR METERS INTEGRAL<br>WITHIN DRIVER DISPLAY                                                                            |                 |                |
| PTO CONTROLS FOR ENHANCED VEHICLE<br>ELECTRIC/ELECTRONIC ARCHITECTURE                                                                    |                 |                |
| NO OBSTACLE DETECTION SYSTEM                                                                                                             |                 |                |
| NO SIDE OBJECT DETECTION SYSTEM                                                                                                          |                 |                |
| NO DR ASSIST SYSTEM                                                                                                                      |                 |                |
| ELECTRONIC STABILITY CONTROL                                                                                                             |                 |                |
| NO LANE DEPARTURE WARNING SYSTEM                                                                                                         |                 |                |
| NO CAMERA/VIDEO/IMAGING SYSTEM                                                                                                           |                 |                |
| TMC RP1226 ACCESSORY CONNECTOR<br>LOCATED BEHIND PASSENGER SIDE<br>REMOVEABLE DASH PANEL                                                 |                 |                |
| 7" B-PANEL INTERACTIVE TOUCHSCREEN<br>DISPLAY RADIO W/ USB-C, APPLE CARPLAY,<br>ANDROID AUTO, BLUETOOTH/AM/FM/SXM/WB,<br>WITH MICROPHONE |                 |                |
| DASH MOUNTED RADIO                                                                                                                       |                 |                |
| STANDARD SPEAKER SYSTEM                                                                                                                  |                 |                |
| NO AM/FM RADIO ANTENNA                                                                                                                   |                 |                |
| POWER AND GROUND WIRING PROVISION<br>OVERHEAD                                                                                            |                 |                |
| ROOF/OVERHEAD CONSOLE CB RADIO<br>PROVISION                                                                                              |                 |                |
| SINGLE REMOTE SPEAKER WITH LEAD FOR 2-<br>WAY RADIO                                                                                      |                 |                |
| SINGLE FIBERGLASS LH MIRROR MOUNTED CB<br>ANTENNA WITH BRACKET AND LEAD                                                                  |                 |                |
| HEADLINER MULTI-BAND ANTENNA:<br>AM/FM/WEATHERBAND, WIFI/BLUETOOTH,<br>GNSS/GPS                                                          |                 |                |

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| Description                                                                                             | Weight<br>Front | Weight<br>Rear |
|---------------------------------------------------------------------------------------------------------|-----------------|----------------|
| INTEROPERABLE SDAR ANTENNA                                                                              |                 |                |
| ELECTRONIC MPH SPEEDOMETER WITH<br>SECONDARY KPH SCALE, WITHOUT<br>ODOMETER                             |                 |                |
| ELECTRONIC 2500 RPM TACHOMETER                                                                          |                 |                |
| DETROIT CONNECT PLATFORM HARDWARE                                                                       |                 |                |
| 5 YEARS DETROIT CONNECT BASE<br>PACKAGE(FEATURES VARY BY MODEL)<br>DETROIT CONNECT PLATFORM             |                 |                |
| IGNITION SWITCH CONTROLLED ENGINE STOP                                                                  |                 |                |
| TWO EXTRA HARDWIRED SWITCHES IN DASH,<br>ROUTE TO UNDER CAB, BLUNTCUT                                   |                 |                |
| CUSTOMER SPECIFIED SWITCH ACTUATORS<br>FOR 2 EXTRA SWITCHES                                             |                 |                |
| HARDWIRE SWITCH #1,ON/OFF/ON<br>MOMENTARY, 20 AMPS IGNITION POWER                                       |                 |                |
| HARDWIRE SWITCH #2, ON/OFF LATCHING, 20<br>AMPS IGNITION POWER                                          |                 |                |
| PRE-TRIP INSPECTION FEATURE FOR<br>EXTERIOR LAMPS ONLY                                                  |                 |                |
| STANDARD TRACTOR PROTECTION VALVE                                                                       |                 |                |
| TRAILER HAND CONTROL BRAKE VALVE                                                                        |                 |                |
| DIGITAL TURBO AIR PRESSURE IN DRIVER<br>DISPLAY                                                         |                 |                |
| DIGITAL VOLTAGE DISPLAY INTEGRAL WITH<br>DRIVER DISPLAY                                                 |                 |                |
| ROTARY HEADLAMP SWITCH, MARKER<br>LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT<br>FOR OPTIONAL FOG/ROAD LAMPS |                 |                |
| TWO VALVE PARKING BRAKE SYSTEM WITH<br>DASH VALVE CONTROL AUTONEUTRAL AND<br>WARNING INDICATOR          |                 |                |
| SELF CANCELING TURN SIGNAL SWITCH WITH<br>DIMMER, HEADLAMP FLASH,<br>WASH/WIPE/INTERMITTENT             |                 |                |
| QUICKFIT POWERTRAIN INTERFACE<br>CONNECTOR UNDER CAB WITH BLUNTCUTS                                     |                 |                |
| OPTIONAL AIR SWITCH 1 WITH NO INTLK                                                                     |                 |                |

## Design

PAINT: ONE SOLID COLOR

## Color

CAB COLOR A: L0006EY WHITE ELITE EY

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| Description                                      | Weight<br>Front | Weight<br>Rear |
|--------------------------------------------------|-----------------|----------------|
| BLACK, HIGH SOLIDS POLYURETHANE CHASSIS<br>PAINT |                 |                |

#### Certification / Compliance

U.S. FMVSS CERTIFICATION, EXCEPT SALES  
 CABS AND GLIDER KITS

#### Secondary Factory Options

MUST MEET REQUIREMENTS IN PTO  
 INSTALLATION GUIDELINE DOCUMENT ON  
 DDCSN.COM, SPECIFICALLY MAX BENDING  
 MOMENT & MIN ENGINE SPEED DURING PTO  
 OPERATION

### TOTAL VEHICLE SUMMARY

#### Weight Summary

|                             | Weight<br>Front | Weight<br>Rear | Total<br>Weight |
|-----------------------------|-----------------|----------------|-----------------|
| Factory Weight <sup>+</sup> | 9011 lbs        | 8566 lbs       | 17577 lbs       |
| Total Weight <sup>+</sup>   | 9011 lbs        | 8566 lbs       | 17577 lbs       |

#### Extended Warranty

EXT ULTIMATE DETROIT ENGINE: DD13/DD15 7 YEARS/250,000  
 MILES/402,500 KM. FEX APPLIES  
 EXT ULTIMATE TRUCK CHASSIS: US HD STANDARD-MODERATE 7  
 YEARS/250,000 MILES/402,500 KM.  
 TOWING: 7 YEARS/UNLIMITED MILES/KM EXTENDED TOWING  
 COVERAGE \$1200 CAP FEX APPLIES

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.

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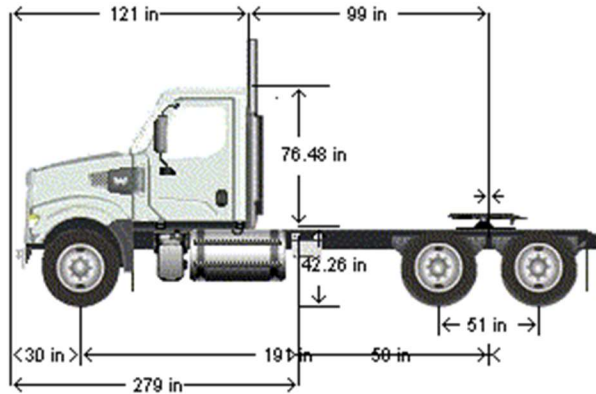
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(\*\*\*) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.

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## DIMENSIONS



## VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

|                                      |                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Model .....                          | 49X                                                                                                                 |
| Wheelbase (545) .....                | 4840MM (191 INCH) WHEELBASE, SFA ONLY                                                                               |
| Rear Frame Overhang (552) .....      | 1475MM (58 INCH) REAR FRAME OVERHANG                                                                                |
| Fifth Wheel (578) .....              | HOLLAND FW35N 18 INCH NO TILT AIR SLIDE                                                                             |
| Mounting Location (577) .....        | FIFTH WHEEL 152MM (06.0 INCHES) AHEAD OF SUSPENSION CENTERLINE                                                      |
| Maximum Forward Position (in) .....  | 6                                                                                                                   |
| Maximum Rearward Position (in) ..... | -12                                                                                                                 |
| Amount of Slide Travel (in) .....    | 18                                                                                                                  |
| Slide Increment (in) .....           | 1.5                                                                                                                 |
| Desired Slide Position (in) .....    | 0.0                                                                                                                 |
| Cab Size (829) .....                 | 121 INCH BBC ALUMINUM CONVENTIONAL CAB                                                                              |
| Sleeper (682) .....                  | NO SLEEPER BOX/SLEEPER CAB                                                                                          |
| Exhaust System (016) .....           | RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE |
| Cab to Body Clearance (in) .....     | 0.0                                                                                                                 |

## TABLE SUMMARY - DIMENSIONS

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| Dimensions                                                         | Inches |
|--------------------------------------------------------------------|--------|
| Bumper to Back of Cab (BBC)                                        | 121.5  |
| Bumper to Centerline of Front Axle (BA)                            | 30.1   |
| Front Axle to Back of Cab (AC)                                     | 91.3   |
| Back of Cab to Centerline of Rear Axle(s) (CA)                     | 99.2   |
| Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA) | 99.2   |
| Back of Cab Protrusions (Exhaust/Intake) (CP)                      | 2.0    |
| Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)             | 0.0    |
| Back of Cab Protrusions (CNG Tank)                                 | 0.0    |
| Back of Cab Clearance (CL)                                         | 0.0    |
| Back of Cab to End of Frame                                        | 157.3  |
| Cab Height (CH)                                                    | 76.5   |
| Fifth Wheel to Centerline of Rear Axle(s) (FW)                     | 0.0    |
| Wheelbase (WB)                                                     | 190.6  |
| Frame Overhang (OH)                                                | 58.1   |
| Overall Frame Length                                               | 278.3  |
| Overall Length (OAL)                                               | 278.8  |
| Rear Axle Spacing                                                  | 51.0   |
| Unladen Frame Height at Centerline of Rear Axle                    | 42.3   |

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.