

**Class 8, Type 1C, Day Cab, Single Axle 4X2 80,000 GCWR, Diesel Engine,**  
**General Freight Regional Haul Truck Tractor**

CHASSIS

- 80,000 GCWR – GVWR 34,700.
- Maximum Wheelbase: 161.0, BBC: 113, CA:84.4, Axle to Frame: 33.0
- Heat Treated Alloy Steel (120,000 PSI Yield) Frame Rails.
- Front Bumper, Full Width, Stainless-Steel clad Aluminum, With skid plate under bumper and radiator
- Tow Clevises, Front Frame Mounted (2)
- Heat Treated Alloy Steel Frame Rails with Tapered Rear Rear crossmember- tapered with built in tail lamps.
- Fuel Tanks (2), Non-Polished Aluminum, minimum 93 gal. Mounted Lefthand & Righthand side, dual draw and return with Locking Fuel Caps. Fuel Tank Straps bright finished stainless steel.
- DEF Tank Cover- Stainless Steel or Non-Corrosive Aluminum with locking Fill Cap
- Mud Flap Holder/Brackets – Spring Loaded, Painted Black with 45-degree end with Red/White Reflective Tape.
- Mud Flaps – Black or white Poly, with Anti Sail brackets.
- Quarter Fenders for Rear Wheels, Mirror-Finished Stainless Steel, and Frame Mounted.
- Fifth Wheel, 24” Stationary, Holland, FW17. Cast Top Plate. 47” ground to top of fifth-wheel, Left Side Release.
- Trailer Access, Frame Step, Aluminum, mounted left side with 2 section aluminum flush mounted deck plate and grab handle.

ENGINE

- Diesel- Minimum requirements: 13 Liter, EPA & CARB 202 MINIMUM 415 Horse Power and MINIMUM 1,650 Torque Lesser Displacement/Torque engines not acceptable due to the duty cycle and Fleet standardization
- Governed Speed 70 mph pedal, 72 mph Cruise
- Fan Drive- Electronic Modulating Viscous or equal
- Exhaust System- Single, horizontal Frame Mounted DPF/SCR Right Side with vertical stack, Turn back Type, w/bright finished stack and heat shield.  
Minimum height 13’1”- Maximum height 13’3”.  
DPF/SCR cover- Bright finished, stainless steel
- Compression /Mechanical Engine Brake with on/off switch dash or steering column mounted.
- Block Heater, 1000watt, 120 volt/15 amp plug, socket Receptacle type mounted below driver’s door.

- Engine to include:
- Anti-Freeze, extended life coolant: -34 to -40 degrees, No nitrates, with filter
- Cold starting equipment- 12V air intake heater
- Heater Hoses, EPDM Radiator and Heater Hoses with constant torque clamps
- Cruise Control, Electronic, control integral to Steering Wheel
- Engine Shutdown, Electric, Key Operated
- Fuel Filter with Fuel/Water Separator, Davco, with fluid heat, And Secondary Fuel Filter, Mounted Whereas filter can be changed Without removal of any components
- DEF Fluid Level Gauge.
- Governor, Electronic
- Oil Filters, Spin-On type
- Tether device, cap retainer for oil fill and radiator overflow tank.
- Air Cleaner with Restriction Gauge, Air Cleaner Mounted or available Through the dash display

TRANSMISSION - Automated Manual, overdrive- Eaton Endurant HD EEO-16+F112C, or Mack mDrive TMD12AFO or approved equal.

- Synthetic transmission fluid,
- Transmission Protection- Engine shutdown for high transmission temp.
- Shift Control, Push-Button type must have Hill Assist with hill assist- Override switch to allow backing into loading docks
- Predictive Cruise Control, Eco Roll, Kick down/passing enabled

FRONT AXLE - 12,000 -lb. Capacity. Meritor MFS+131 or equal.

- Front Suspension, Springs Parabolic Taper Leaf Heavy Duty with Heavy Duty Shock Absorbers
- Synthetic lube
- Power Steering.

REAR AXLE - 23,000-lb Capacity. Meritor RS-23-161  
No substation due to fleet standardization  
Single Reduction, 75W90 Synthetic Lube  
Ratio: 3.21 or manufacturers recommended ratio for best fuel economy

- Driver controlled Locking Differential with max. 15 MPH road speed
- Air Ride Suspension 23,000 rated with Heavy Duty Shock Absorbers.
- Air suspension dump speed limited with warning light and buzzer

BRAKES - System, Air, Dual for Tractor Application w/Electronic Stability Control.

- Brake lines to be color and size coded Nylon.
- Glad Hands – One Service, One Emergency, Trailer hoses from Cab w/ Hose Tender Slide Bar with Double Spring Bracket, Bar to extend 4” from cab.
- Drain Valves all tanks with pull chain or lanyard operated moisture

ejectors.

- Wabco SS-HP or equal Air Dryer Heated, Safety Valve, Purge Tank, coalescing filter, Mounted inside left frame rail back of cab.
- Bendix Antilock Brake System (ABS) w/Electronic Stability Advantage To include: ABS, ATC, ESP with YAW Control 4S4M
- All Gauges will be located within the instrument cluster.
- Parking brake control valves located on instrument panel.
- Air Hand Control Valve w/self-return.
- Air Compressor, Wabco 318 or equal, 18.7 CFM w/Teflon/Stainless Steel line to air dryer.
- Air Tanks to be mounted outside left rail.
- Brake Package both front and rear to be Bendix ADB22X Air Disc

## ELECTRICAL

- 12volt, Standard Equipment
- Starting Motor, Delco Remy 39MT-MXT.
- Alternator, Delco Remy 36SI. 165 AMP brushless.
- Battery System, BCI Group 31 Maintenance-Free, (3) 12 volt 3000+CCA. Jump Start Studs remote mounted. Battery Box cover Polished aluminum.
- Gauges for electrical system, oil pressure, water temperature, fuel, and Tachometer, ivory face w/chrome bezel (if available from OEM).
- Trailer Lighting Cable, ABS Permacoil, coiled 15' for use with ABS.
- Trailer Power Cable w/two pin plug, 150amp circ. With 15' coiled cord to operate lift gate on trailer
- Two (2) LED Fog Lights
- Stop, Turn, Tail, B/U, lights. Truck Lite or Grote brand with LED Lamps located in tapered rear Crossmember.
- Roof and side marker lights under doors- LED lamps
- 2-LED Trailer hook up lights mounted at the back of Cab
- Test exterior lights, air brake leak down test-Pre-Trip inspection cycle
- Brake Warning Indicator Light and Alarm, Alarm Parking Brake.
- Collision Mitigation System, Bendix Fusion 2.0 Front & Side CAV Warning System, Emergency Braking To include Adaptive Cruise Control w/Collision Mitigation. Stationary Braking and Object Alert, Lane Departure Warning. Excessive Speed Control, Distance Alerts, Impact Braking, Speed Limit Sign recognition and safety system. ACC/LSS Volume settings high, radio will not mute w/ fixed volume

## CAB

- Conventional w/tilting hood and fenders with assist.
- Auxiliary window in RH Door bottom
- Rear wall storage compartment
- Chrome exterior package
- Bug Screen. Black aluminum mounted behind grille
- Aerodynamic package, includes painted Roof air deflector, cab side

Shields with plastic aero extenders. Note: Trailer height is 12'6"  
- Chrome Grille.

- Dual 7x16 Heated Aero Mirrors, w/convex both sides, Power adjustment, 102" spacing, Breakaway style. Bright finish both mirrors and brackets (If available from OEM)
- Mirror, Convex, Heated, Hood Mounted, Right and Left sides.
- Mirror, Look down mounted RH side. Bright finish
- Cab Grab Handles both sides.
- Cruise Control
- Intermittent windshield wipers. w/automatic Headlights on
- Drivers seat, Air, High Back, 4 chamber air lumbar, Vinyl w/Cloth inserts,  
Right & Left side arm rests (If both armrests are available from OEM)
- Passenger seat, Non-suspension, high back, vinyl w/cloth inserts, two Arm Rests (If both arm rests are available from OEM)
- Power Windows, Power Door Locks
- Steering Column, Tilting and Telescoping.
- Interior Trim, Premium w/5" LCD Color Display.
- Integral Heater, Defroster, Air Conditioner.
- 3-point Lap, Shoulder Seat Belts, with Height adjustment  
Bright Orange Color, with seatbelt warning light and buzzer
- Radio, AM/FM/Bluetooth/weatherband/MP3 input w/ Stereo Speakers.
- CB Radio hook up, Header mounted w/ dual mirror mounted antennas or equal. - Antenna Height cannot exceed 3ft.
- Two-piece tinted windshield
- Horn, Air, frame or under hood mounted.
- Horn, City, Electric. (2) Disc Type.
- Back Up Alarm, Electric 102db.
- Headlights on with wipers.
- Headlights LED, with Park and Daytime Running lights.
- Test Exterior lights switch, Clearance/Marker lights LED.
- Body Company Electrical hook ups.
- Paint Color, Red Sikkens #2602 Single color.
- Safety Triangles, mounted
- First Aid Kit, mounted
- Fire Extinguisher, 5#10BC, mounted

#### TIRES

- Front Steering - 275/80R22.5 Michelin X-Line Energy. 14 Ply, Load Range G.
- Wheels, Front 22.5 Polished Aluminum w/outside clear coat or equal. 10 stud Hub Piloted
- Rear Drives, Michelin XDN2, 275/80R22.5. 14 Ply Load Range G. Lug type.

- Wheels, Rear, Dual Disc 22.5 Polished Aluminum w/outside clear coat or equal. 10 stud Hub Piloted.

WARRANTY            Standard manufacturers for Tractors.

ADDITIONAL SPECIFIC WARRANTY ITEMS (Applies to heavy duty trucks only)

a.    RUST PROOFING WARRANTY

Cabs/cowls shall be warranted for five (5) full years with no mileage or hourly limitations. This will include rusting through or perforation from within. This warranty and service program covers both labor and parts for the full warranty period. Surface rust caused by chip, scratches, or damage caused by employees is not covered by this warranty.

b.    FRAME RAILS AND CROSSMEMBERS (Chassis)

For medium/heavy duty trucks, frame rails and cross members are warranted for five (5) full years with no mileage or hourly limitations. This warranty covers both parts and labor for the full warranty period. For light duty trucks and vans, the manufacturer's standard frame rail and crossmember warranty is acceptable.

c.    SERVICE/UTILITY BODY AND ASSOCIATED COMPONENTS WARRANTY

Associated components such as cranes, air compressors, and snowplows shall be covered by manufacturer's standard warranty. Manufacturer's standard warranty shall be provided in written or electronic form.

d.    ENGINE AND TRANSMISSION WARRANTY

The engines for all Heavy/Medium Duty equipment/vehicles will be warranted for parts and labor for five (5) years or 200,000 miles (whichever first occurs). The engine warranty will include all items named or included within the valve covers, cylinder heads, block, oil pan, engine mounted sensors, turbocharger, and fuel Injectors. The transmission (automatic/manual) will be fully covered by the warranty and service program for five (5) years 750,000 miles. Electronic fuel delivery components, e Electronic control modules and emission control components shall be covered for five (5) years or 350,000 miles whichever first occurs. After treatment Device/DPF shall be warranted for minimum 5 years or 100,000 miles.

Engine extended to be 60 month/400,000 miles, including internal engine components, turbocharger, injectors, engine mounted sensors.  
After Treatment System – Extend to 60 month/400,000 miles

Engine Towing 24 months/250,000 miles.

Install customer supplied “Big House” decal package. To be install on Truck Cab and Roof Fairing per customer drawings and photos.