

2016 Model Year or Newer Tennessee
Highway Patrol Semi-Truck Vehicle 220"
Maximum Wheelbase,

Tennessee Highway Patrol is looking to replace its 1997 Peterbilt semi-truck. The semi-truck will be utilized to pull a 48' trailer that has been outfitted with six driving simulators to assist teenagers in the understanding of driving around large commercial vehicles, (trailer weight is approximately 10,000 to 15,000 pounds). This semi-truck will be equipped with all equipment advertised as standard equipment or exceed the following detailed requirements. No advantage shall be taken by the manufacturer in the omission of any part or detail, which goes to make this equipment complete and ready for service, Even if such parts or details are not mentioned in these specifications. Equipment

Includes all standard equipment and accessories as advertised in manufacturer's specification sheet of the model offered, unless otherwise specified herein.

SUGGESTED MANUFACTURERS: Freightliner, Peterbilt, Kenworth, or equal.

1. 2016 or newer conventional cab tractor and must meet or exceed all Federal Regulations. Maximum of a 60 inch berth area (can be less than 60 inches) with overhead roof air deflector. Left and right windows in berth area with manufacture (sofa bed) and seatbelts if available. The interior will be highly durable cloth or vinyl (black) / No upper bunk
2. Air Bag: Driver Side Passive restraint system if available
3. Heat / Air conditioner: Standard factory units.
4. Minimum of 4 sets of keys with 2 remote key FOBs
5. Invoice to include key code numbers
6. Steering wheel: 18 inch 4 spoke
7. Adjustable telescoping tilt steering column with Cruise Control
8. Driver Passenger power seats: air suspension with dual armrests

- and single chamber air lumbar support. Highly durable cloth, vinyl or leather (black)
9. Interior color: Black
 10. Flooring: no carpet, heavy duty vinyl or polymer flooring w/heavy duty Hoar mats.
 11. Standard AM/FM/XM/USB stereo with digital clock, factory installed with standard noise and electrical suppression package. Bluetooth compatible and standard mounted speakers
 12. Center console: includes two cup holders & two 12V outlets
 13. Electric LH & RH door locks/windows
 14. Exterior marker lights LED
 15. Alternator: Heavy duty 220 amp minimum output capacity
 16. Batteries: minimum combined total 3000 cca Maintenance free with threaded studs. To include a battery disconnect switch easy to access and jump starting lugs.
 17. Battery box located on left side.
 18. Engine: minimum of 425 horsepower turbo charged diesel engine accessories to include:

Tachometer

Oil pressure gauge

Coolant Temperature Gauge

Voltmeter

Air Pressure and air application Gauges

Fuel/Water separator with inspection glass

Filter, oil, full flow

Filter, Engine Coolant

Engine compression brake, controls; on/off with multi-position application

Engine Block Heater, 110 volts ac, 1500 watts, with receptacle, mounting location driver's side preferred.

Automatic Engine Shutdown System, Alarm and Engine Shutdown for low oil pressure, low coolant level and high coolant temperature, shall include lights and/or buzzer

Antifreeze to minus 34 degrees minimum or extended life

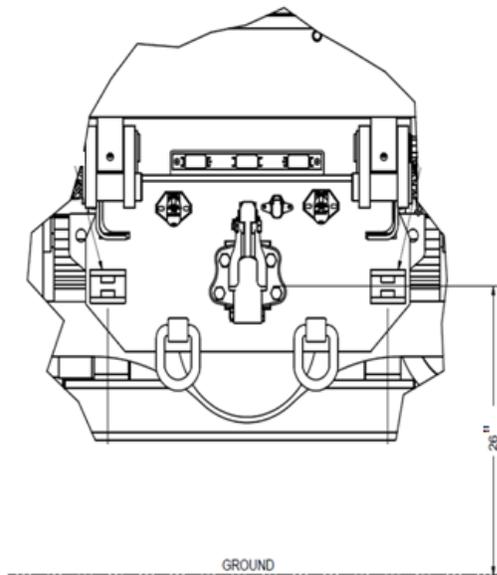
Alternator minimum 220 amps

Graduated air cleaner restriction indicator, gauge or light, dash mounted in cab

19. Transmission: Fully automatic with high capacity oil to water cooler .
- 20.No transmission PTO
- 21.Rear axle : mfg standard tandem GVWR 40,000 minimum for this class/type vehicle
- 22.Front Steer axle GVWR 12,000 minimum
- 23.GVWR: minimum 52,000
- 24.Brakes: Air Disc with ABS Front and rear all axles.
- 25.Tires: 295/75/R22.5 14PR Smartway certified.
- 26.Wheels/ Rims Front polished aluminum 22.5x8.25, 7,400lbs maximum rating and air disc compatible.
- 27.Rear wheels (4) 22.5x8.25 outer wheels polished aluminum, 7,400lbs maximum rating and air disc compatible.
28. Rear wheels (4) 22.5x8.25 inner steel armor powder coat (Black), 7,400lbs maximum rating and air disc compatible.
29. Mud flaps and hangers Required
- 30.Fuel tanks 24.5 inch class 8 fuel tank 100 gallon right or left side minimum polished aluminum w/o locking caps includes an-siphon device on the filler neck.
- 31.DEF tank: 20+ gallons of useable volume mounted on left side , standard DEF to fuel fill ratio : 2:1 or greater.
- 32.Air equipment moisture injection valve w/pull cable drain.
- 33.Air & light lines mfg standard coiled for semi trailer w/ standard hosetenna bracket located in standard location with additional at Pintle hitch location.
- 34.Exterior sun visor mfg standard
35. Fairing (wind deflectors) on left and right side of sleeper painted to match paint scheme.
- 36.Aerodynamic design only no extended hood
- 37.Paint: factory (BLACK) paint only no wraps
- 38.Decals/Emblems: No dealer emblems.
- 39.Windshield wipers Multi speed electric w/ intermittent intervals windshield washer electric, manufacturer standard.
- 40.Fifth wheel: Approx. 36" diameter, air slide with 24" travel, heavy-duty. Mounting bracket height 8 ¾" minimum. In cab, dash mounted control for slide. To meet all manufacturer standard for this capacity vehicle.

41.. Pintle hitch/hitch plate with the towing capacity for this class truck .The Hitch plate is to be fabricated using minimum 5/8" thick steel plate. The plate is to be welded into the rear of the truck frame and properly gusseted to support this type capacity pintle hook. Type - Forged rigid type with safety latch,

Fabrication is to be capable of carrying the load rating of the pintle hitch. Pintle hitch shall be bolted with capable grade bolts, and top lock nuts, to a capable thick steel plate which is welded to solid steel square bar stock, which will form an extra H.D. hitch insert. The insert will be capable of being removed from the hitch plate receiver by removal of a capable HD cold rolled steel pin. The pin will include a grab handle, and quick latch removable pin. Pintle coupler to be at 26" from the ground at a raised suspension height ready for highway operation.



There shall be glad hand connections and trailer 7-pin round electrical connection and 7-pin flat (RV TYPE) electrical connection located in hitch plate. **NOTE: 7 PIN FLAT AND 7-PIN ROUND WIRING HARNESSSES SHALL NOT BE SPLICED. THERE SHALL BE TWO (2) SEPARATE HARNESSSES FROM CAB TO HITCH PLATE.**

42. Window placement in sleeper berth one on each side please list dimensions
43. Pre delivery : vehicle to undergo pre delivery inspection by vendor before delivery to include function check, accessories check, appearance check,

Warranty basic vehicle coverage minimum 12 / unlimited mileage, extended coverage to include Engine and Aftertreatment , HVAC 5yr/ 200,000 minimum. Copy of warranty is to be included in bid package. The successful bidder shall be required to furnish a printed itemized listing in layman's terms of the warranty with the unit at the time of delivery.

- 1) FUEL AND DEF TANKS TO BE COMPLETELY FULL UPON DELIVERY
- 2) SUCCESSFUL BIDDER TO SUPPLY THREE (3) SETS OF IGNITION KEYS AND THREE
- 3) SETS OF OTHER COMPONENT KEYS PER UNIT
- 4) PRE-DELIVERY ACCORDING TO MANUFACTURER'S STANDARD REQUIREMENTS
- 5) INVOICE TO INCLUDE IGNITION AND ALL OTHER KEY NUMBERS.
- 6) VEHICLE TO BE CLEAN INSIDE AND OUT WITH ALL APPLICABLE STICKERS REMOVED. PROTECTIVE COVERINGS AND PLASTIC TO BE REMOVED FROM SEATS.
- 7) WARRANTY: WILL BEGIN ON DATE VEHICLE IS PLACED IN SERVICE NOT TO EXCEED SIX (6) MONTHS FROM DELIVERY DATE.
- 8) DELIVERY MILEAGE – MAXIMUM ALLOWABLE MILES AT TIME OF DELIVERY IS 300 MILES. MILEAGE WARRANTY WILL BEGIN AT THIS MILEAGE AND THE FULL MANUFACTURER STANDARD WARRANTY WILL BE ADDED TO THE DELIVERY MILEAGE. i.e. 200,000 MILE WARRANTY PLUS 300 DELIVERY MILES EQUALS 200,300 MILES OF WARRANTY PERIOD.