

SPECIFICATIONS FOR TRUCK, 28,000 LB. GVWR, W/16 FT. STAKE BODY

ACCEPTABLE BRANDS/MODELS: INTERNATIONAL TERRA STAR, FREIGHTLINER M2 OR EQUAL

SPECIAL INSTRUCTIONS

All bidders shall quote upon a manufacturer's latest standard conventional model truck complete with all standard equipment plus any optional or special equipment required meeting these specifications. Specifications include a cab and chassis w/16 ft. stake body to meet these specifications.

Specifications require complete chassis pre-delivery service complying with manufacturer's specifications. It shall be the responsibility of the successful bidder to perform the pre-delivery service and inspect the units for specification compliance prior to delivery to the state of Tennessee D.O.T.

DOCUMENTS

Owner's manual, line set ticket, warranty papers, extra key, invoice and manufacturer's statement of origin are to be furnished with each unit. Manufacturer's statement of origin shall be executed in the name of:

Tennessee State Department of Transportation
505 Deaderick Street
Nashville, TN. 37243-0346

MILEAGE, ODOMETER READING

The maximum mileage allowable for any vehicle to be considered acceptable shall be 600 miles. It shall be the responsibility of the successful bidder to make required arrangements to insure that the mileage/odometer reading does not exceed the maximum miles listed when the vehicle is delivered to the using agency for final acceptance.

2017 MODEL YEAR

CAB AND CHASSIS SPECIFICATIONS

1. All standard equipment as listed by the manufacturer and/or as required for a 2011 truck conventional chassis, 28,000 lb. GVWR, heavy-duty conventional cab. Wheelbase and CA as recommended by the body builder.
NOTE: GVWR to govern over all components.
2. Axles: Front – 8,000 lb. capacity (minimum); Rear – 21,000 lb. capacity single speed. Axle ratio and engine parameters shall limit maximum speed to 78 mph. Synthetic lube in front and rear axles.
3. Springs: Front – 8,000 lb. capacity (minimum); Rear – 21,000 lb. capacity (auxiliary springs included for stability)
4. Engine: 6.4L diesel, 300 hp, 660 lbs. torque @ mfg's rated RPM. To include engine tachometer, engine hourmeter, warning light and or buzzer alarm for oil pressure, coolant temperature, etc.
5. Engine Block Heater: Required
6. Engine Cooling: Heavy-duty
7. Coolant Hoses w/constant tension hose clamps
8. Engine Protection System: Low oil/high coolant temperature shutdown w/automatic over-ride; to include warning lights and/or audible alarm.
9. Resettable circuit breakers required.
10. Transmission: Manual, 6, 7, or 8 speed
11. Tires: Front – Two (2) radial, 11R22.5, 14 ply tubeless steel belted premium highway tread. Rear – Four (4) radial, 11R22.5, 14 ply tubeless steel belted highway premium traction tread.
12. Battery(s): 12 volt, minimum combined total 1900 CCA, maintenance free, threaded post.
13. Wheels: 22.5" x 8.25", 10 hole disc, color – white
14. Alternator: 160 amp/hrs. (minimum)
15. Steering: Power
16. Fuel Tank: 45 gallon minimum, ¼ tank upon delivery. Aluminum tank requested.
17. Mirrors: Exterior – Right and left side, west coast type, minimum of 112 sq. inch mirror area each. For 102" width, with 8" convex mirrors below west coast mirrors. All mirrors to adjust independently of each other.
18. Tow Hooks: Two (2) front mounted or single "A" frame mounted

19. Frame: To meet GVWR
20. Brakes: Full air, 18.7 cu. ft. compressor w/rear springs brake, heated air dryer.
21. Automatic brake slack adjusters front and rear
22. Hubs Front Wheel: Oil lubricated with wheel seals
23. Cab assist handles both sides of truck, interior and exterior
24. Horns: Dual electric
25. Radio: AM/FM factory installed
26. Heater/Air Conditioner: Factory installed
27. Winterized: Vehicle to be completely winterized to -20 degrees F.
28. Seat: Air suspension driver's seat w/2-man tool box passenger seat
29. Color: Exterior – Bright White; Interior – Lt. Grey (preferred)
30. Sun Visors: Dual (inside)
31. Shocks: Front, heavy-duty
32. Hood: Forward tilting and fenders
33. Glass: All windows shall be mfg.'s solar tinted.
34. Back-Up Alarm: Must meet OSHA No. 1929.601. Mounted on inside of truck chassis to protect from damage. Electronic, solid state (112dBA for safety)
35. Day time running lights required.
36. Windshield Wipers: Intermittent
37. Cab Interior Instruments & Controls: Driver information module, diagnostic interface connector located below the dash, speedometer, odometer, engine oil pressure gauge, engine coolant temperature gauge, transmission oil temperature gauge, fuel level gauge, air system gauge, auxiliary power point for mobile phone use, arm rest on doors (one each side), storage pocket (for vehicle log book, maps, fuel man site listings, etc.)
38. Steps: For truck cab entry on each side opposite fuel tank
39. Pre-wire for electric brake controller.
40. Warranty: Manufacturer's standard engine, transmission 2 year minimum warranty to apply on complete truck which shall begin on date vehicle is placed in service, which is approximately 30 days or less from receipt of vehicle.

END OF CAB AND CHASSIS SPECIFICATIONS

16 FT. STAKE BODY SPECIFICATIONS

1. Platform Size: 16
2. Width Outside: 96" OD
3. Outrails: 12 gauge steel, 5 7/8" deep
4. Cross Sills: 4 3/16" deep, 12 gauge steel, "C" section
5. Stake Pockets: Welded to outrails
6. Longitudinal Sills: 6" deep formed or structural
7. Floor: 3/16" tread plate
8. Slats: minimum 6" wide, 4 slats, die formed, 14 gauge steel, edges roll formed for strength. No sharp edges with automatic hold downs.
9. Mounting: Metal filler strip between platform and truck frame (NOTE: no wood fillers)
10. Mounting Tie Downs: U-bolts with plate or machine bolts with top and bottom plates fastened from top of long beam to bottom of truck frame.
11. Number of Tie Downs: Minimum four (4) in front and two (2) behind rear axle. (Other alternatives for securing body to truck will be considered if configuration prevents tie down per specs. TDOT approval required)
12. Wiring: Routed in protective conduit, metal or flexible, securely attached to body. Wiring to be protected from possible cuts or abrasions and to be continuous from cab to fixtures without splices. Connectors shall be equal to 3M-Scotch #6127.
13. Paint: One (1) coat primer and two (2) coats of spray enamel or may be one (1) dip coat enamel. Chassis to be standard black.
14. Lighting: As required to meet D.O.T. and federal standards. Rubber mounted and recessed.
15. Bumper: I.C.C.
16. Stair Steps and Grab handles: Each side rear of body
17. ICC Step Bumper: Required

18. Mud Flaps: Required
19. Warranty: Body fabrication, mounting and lighting to be warranted for one (1) full year from date of delivery. Terms of warranty repairs to be stated with bid.
20. Trailer Towing Package w/Pintle Hitch: Type – Forged rigid type with safety latch. Capacity – 12,000 lbs. minimum vertical load capacity; 40,000 lbs. minimum gross trailer weight capacity. Installation – mounted between frame rails on heavy gauge formed or structural steel channel with bottom gusset each side and welded to frame rails. Areas directly behind the pintle hitch mounting to be reinforced with a minimum of ½” x 12” long full height steel plate. Fabrication to be capable of carrying the load rating of the pintle hitch. Pintle hitch shall be bolted with grade 8 bolts to frame work. (Pintle hitch welded to mounting frame work will not be acceptable). Body manufacturer shall also mount electrical receptacle for towing trailer when mounting pintle hook mount and pintle hook. Factory installed rear lights shall be removed and replaced with sealed shock mounted lights to meet Federal 108 lighting for backup led stop, tail and turn lights. Lights are to be enclosed in a 10 gauge metal enclosure and welded between frame rails. Safety chain hitch eyes, type ¾” hot roll round steel with an approx. opening of 2 ½” x 2 ½”, welded to the bottom of the pintle hitch frame work each side of pintle mounted center. Wiring for electric trailer brakes to be provided.
21. General: Cross and longitudinal sill combination to provide sufficient load bearing strength and wheel clearance for a fully loaded truck capacity. All hardware to be heavy-duty and to provide for maximum stability and ease of operation. Side hooks and gate hinges on center gate to allow opening gate without raising front or rear side sections. All hardware shall be subject to D.O.T. approval.

END OF 16' STAKE BODY SPECIFICATIONS

