

Class 8. Type IT TANDEM AXLE CAB AND CHASSIS, 64,000 LB. GVWR

- CHASSIS:
- 64,000 lb. GVWR
 - Wheelbase and cab-to-axle compatible with specified body and application
 - 2.5 million in./lb. minimum RBM per rail
 - 120,000 psi, minimum high tensile frame
 - Steel bumper
 - Front tow hooks
 - 93 Gallon minimum aluminum fuel tank
- ENGINE:
- Turbo charged diesel
 - 425 rated HP/1550 lb. -ft. Torque, minimum
 - Temperature controlled on/off fan clutch
 - Extended Life coolant and heater hoses with steel tubing
 - One stage air cleaner
 - Three (3) 12-volt batteries 1950 CCA @ 0 degrees F
 - 130-amp brushless alternator
 - Exhaust system — single horizontal muffler w/vert. pipe, aluminized steel exhaust. Stack and exhaust piping, single exhaust curbside-turnout, single aluminum exhaust shields.
 - Heated fuel/water separator
 - Engine block heater
- TRANSMISSION:
- Allison 4500 series 6 speed automatic transmission (no substitute).
- FRONT AXLE:
- 18,000 lb. minimum capacity
 - Front automatic slack adjusters
 - Front Brake dust shields
 - Heated air dryer
 - Visible oil seal caps
 - Oil seals
 - Heavy-duty shock absorbers
- REAR AXLE:
- 46,000 lb. minimum capacity w/ 46,000 lb. walking beam suspension with traverse Torque rods
 - Driver controlled locking differential, both axles (side-to-side)
 - Tandem axle interaxle differential lock (front-to-back)
 - Bendix ABS brake control system or equal
 - Four chamber parking brake
 - Engine compression brake
 - Automatic rear slack adjusters
 - Rear brake dust shields
 - Oil seals, tandem axle
- LIGHTING:
- Daytime running lights
 - Halogen headlights
 - All body lighting shall be LED
- RADIO/MISC:
- AM/FM stereo
 - Radio Antenna
 - Power and ground connections for CB radio
 - CB hold down plate shall be mounted for convenience of driver

- Power windows and door locks
- Intermittent windshield wipers — single electric motor
- Standard windshield washer reservoir
- Keys, door lock and ignition same
- Emergency warning triangle kit
- Fire Extinguisher, mounted LH side of driver's seat

- CAB EXTERIOR:
- Day conventional cab w/fiberglass tilting hood and integral fenders
 - Bug screen mounted behind grille
 - Air horn
 - Electric horn
 - Down view mirror over passenger door
 - Corrosion resistant heated west coast mirrors with non-heated convex mirrors
 - Tinted glass, all windows
 - Air ride cab
 - Strobe light

- CAB INTERIOR:
- LH & RH arm rest mounted to door
 - Mat with foam back floor covering
 - Air conditioning integral with the heater
 - High-back air, 4 chamber lumbar full-size cloth high-back driver's seat with armrests or approved equal.
 - Full foam cushion adjustable cloth high-back seat for passenger
 - Gauges for electrical system, oil pressure, water temperature and tachometer
 - Electronic idle control

- TIRES/FRONT:
- 315/80R22.5 Rated for front axle rating tubeless radial tires.
 - Rims/wheels — 22.5 x 9.0 hub piloted steel disc, standard color
 - Hubs — steel hub piloted

- TIRES/REAR:
- 11R22.5 14 ply M & S tubeless radial tires
 - 22.5 x 8.25 one-piece hub piloted rims

- PAINT:
- Cab and body color to be BLACK
 - Interior color for dash and seat color to be selected by using agency after award from Manufacturer's standard color choices.

-Steel Dump Body: J & J or approved equal. 15' length x 7' interior width x 43" side height (53" tailgate height). 14 to 17 cu yd., 1/8" Body armor steel sides with material shedding Boxed top rails, rear corner posts. Minimum of 5 vertical side braces, 10" front, Center and rear board extension pockets and electric tarp system (Aero 575 or approved equal). 3/16" Body Armor high tensile steel floor with 2" floor to side radius, 1/8" Body Armor high Tensile steel bulkhead with two bend top flange and two vertical structural angle Reinforcements. Half cab protector 96" wide, 8 gauge high tensile steel with a 4" double bend Lip. Rear bolster to be one-piece full width and full depth 96". All solid welded. 3/16" Body Armor high tensile steel, 6 panel tailgate with full perimeter box bracing, two intermediate Vertical braces and one intermediate horizontal brace and lower tailgate pin. Heavy duty "tarp friendly" top tailgate hardware and lower hardware and air tailgate release operated by in cab control, mounted on console dump controls. Air operated Tailgate: Tailgate must be operated via an in-cab console mounted switch. All lights meet FMXS. S108 requirements with LED oval stop/tail/turn recessed in rear corner posts. All marker lights to be LED recessed and shock mounted, complete with Trucklite sealed wiring harness and junction box. Understructure to be 8" formed ¼" longills. Lubricated front and rear cross shafts.

Custom 63126 front telescopic hoist or approved equal. Class 90, 26.5-ton capacity, Hot shift PTO, direct mount pump and cab controls. Body prop, electric backup alarm and Body up light. DOT LED lights, reflectors, and mudflaps. Performance range and ton capacity as determined by NTEA Dump Body Hoist rating method. Hoist offered with is not listed in the latest edition of NTEA Dump Body Hoist Chart will not be accepted.

SPECIAL NOTE: If transmission is the optional Allison, then PTO shall be a Hot Shift in lieu of Air PTO.

Form grades 5454H34 and 6061T6 aluminum. Body to have stacked construction.

- Electric tarp system (Aero 575 or approved equal)
- Longitudinals shall be 6" I-beam, minimum 6.1 lb/foot Al 6061T6
- Crossmembers shall be 4" I-beam, minimum 2.7 lb/foot, Al 6061T6
- Rubber body sills between truck frame and body
- Mylar insulation between all areas where aluminum and steel parts come together
- Crossmembers to be gusseted with 4" x 6" x .375" aluminum at all crossmembers, outboard (inboard acceptable if necessary for clearance). 4" channel crossmembers acceptable at front and rear of body finish the unit.
- Body floor shall be .375" thick, minimum, abrasion-resistant 5454 H34 aluminum.
- Body sides shall be .375" thick, minimum, 5454H34 aluminum. Sides shall be 48" high, Minimum with provision for side boards
- Top rails to be fully boxed and completely closed by continuous welding, both sides. One piece construction for side top and bottom rails — no splices accepted. Running board width shall cover the outer rear of tires and shall be full length of the body, both sides. A minimum of five vertical side braces and front posts shall be furnished with bottom drain holes with safety self-cleaning type grid studs welded, both sides, between vertical braces, full length, and flush with outer edge of vertical braces.
- Aluminum tailgate to be manufactured from 5454H3 and 6061T6 aluminum
- Front body bulkhead: Minimum 0.125" aluminum with a minimum of 12" above body sides.
- Rear corner posts: On both sides, full depth, one-piece construction from the top of the tailgate to the bottom of the rear bolster and free of hole.
- Rear bolster: One piece, full depth and full width
- Spreader chain holders: Both sides, top and bottom of the rear corner posts.
- All body welding shall be full welding
- Double acting five (5) panel tailgate with offset hinges.
- Two (2) "J" hooks welded to the tailgate 1 chain hangers
- 1.25" diameter greaseable self-aligning I pin hinges with tapered end and with sufficient length for easy removal. Pins shall be axed with chins to prevent loss and be non-rotating.
- Top hinge plate, aluminum or steel with replaceable heavy-duty bushings and greaseable fittings. 0.375" spreader chain, non-rusting and able to accommodate 0.5" thick aluminum chain holder or 0.375" thick steel chain holder. Minimum edge distance 1.5 inch.
- Tailgate chains shall be covered with expandable braided steel weaving of monofilament construction.

- Four (4) tailgate chain brackets/ Two (2) on each side.
- Severe duty tailgate attachment brackets.
- Air operated tailgate: Tailgate must be operated via an in-cab console mounted switch (switch mounted under dash is not acceptable). All air piping and connections must be D.O.T. Approved with .250" nylon tubing and brass compression fittings. Spring-over-air or air to air is acceptable.

Coal chute gates with levers and operating handle. AISI Type 304 Stainless steel.

- Full width cab shield with no offset for exhaust stack.
- Material: Minimum 0.15625" thick aluminum
- Continuous welding on front and cab shield throughout.
- One-half (1/2) cab shield with a minimum of four (4) inch lip on front extending over cab.
- The body cab shield shall have sufficient clearance to insure that the shield will not hit the Exhaust system when dumping on uneven terrain.
- Hoist: C, 74-135, telescopic, class 120, 40 ton capacity or approved equal. Air PTO Direct Mount pump with APSCO control valve in cab.

NOTE: All mounting procedures shall be in accordance with NTEA standards

8. High Capacity Trailer Tow Package: Tractor package with glad hands and electrical Connection shall be provided. Pintle plate shall be made using minimum 4" steel. It shall be inserted within the frame rails, directly in front of the rear light module, with sufficient clearance for body dump pin. It shall extend the full width of the frame rails and extend a maximum of 5" below the frame rails. The lower portion of the plate shall be channeled towards the front of the vehicle, with proper gussets added between frame rails and plate. There shall be two (2) safety chain hooks mounted to the plate. Pintle Hook: 25 ton pintle hooks with spring loading, swivel design mounted to the hitch Assembly. Reference Holland PH760, Buyers BP760A, Wallace Forge.