

SPECIFICATIONS FOR BODY, PLATFORM DUMP, 14 FT.

SCDOT Spec. No. B106.19 – 07/22/10

DESCRIPTION: Platform body, heavy-duty, and with dump hoist designed and constructed for handling stone, dirt, and asphalt in highway maintenance applications over a very long life-cycle (15+ years).

DIMENSIONS: The outside width of the body shall be approximately 95 inches and the length 166-172 inches.

MATERIAL: The body shall be constructed of not lighter than 10 gauge mild sheet steel or 12 gauge high tensile sheet steel. Steel shall be a minimum 45,000 psi yield. The side posts shall be steel, and side boards shall be wood.

CAB SHIELD/BULKHEAD: The body shall be equipped with a 48" fixed or bolt on, all steel, full-width, DOT type bulkhead, strongly constructed of not less than 10 gauge steel and adequately braced with wingback supports (reinforcement posts). There shall be a pre-punched visibility opening minimum 60"W x 18" H. Expanded metal visibility opening not acceptable.

BODY: The body shall be all steel, with smooth steel deck, 4 inch steel channel cross-members on 12 inch centers, 5 inch steel side members, and 7 inch structural steel longitudinal members. The rear member shall be a full-width, 10 inch structural steel channel.

The front of the body shall be equipped with the bulkhead. There shall be standard size and shape stake pockets on the sides and rear of the body. Stake pockets shall be located inside the side members.

A lighting package shall be furnished with lights, reflectors, and wiring harness to meet South Carolina motor vehicle laws, as well as FMVSS and DOT requirements. Mounting locations shall be pre-punched and drilled. Lights shall be the shock-mounting type and recessed in rubber grommets. Complete wiring harness shall be furnished with wiring in protective loom.

HOIST: The hoist shall be manufacturer's latest standard telescopic (NTEA Class E), and shall include hoist assembly, pump, control valve assembly, cab control for hoist, hinges, and body guides. The hydraulic system shall be filled with hydraulic oil, or adequate oil furnished in bulk to fill system. The hoist assembly shall be completely assembled and ready for operation.

The hoist shall be twin, minimum, 5" cylinders with mounting inside or outside the truck frame. Welded braces or gussets shall be used where the cylinder nest joins the frame.

The body hinges shall be integrated by welding into a subframe rear cross-member. The rear cross-member shall be engineered to accommodate the capacity of the hoist system. The hinges, brackets, and pins shall be heavy-duty in design and construction. The body hinges shall be suitable for welding the hinge to the body.

The hoist rating shall be NTEA Class E (minimum) and not less than 14 tons with 14 ft. body. The hoist manufacturer shall be a current member of the National Truck Equipment Association and the hoist system shall be listed on the current NTEA Dump Body & Conversion Hoist Chart.

The maximum dumping angle shall be not less than 47 degrees.

The design of the gear type pump shall be such that in its relation to the hoist cylinder there will be no high pressure oil line on which any swivel action occurs. Renewable wearing plates shall be furnished. Hydraulic pump shall be air shift type air toggle valve allowing full feathering of load and suitable for dash mount.

Safety devices as required by OSHA Regulations Sect. 1926.601 (6), (10), (11), and (12) shall be furnished. Two (2) body safety props, one on each side, shall be provided.

Additional safety equipment shall include PTO warning light and body raised warning light.

EQUIPMENT: The unit shall be complete with all standard equipment and accessories normally furnished. In addition, equipment shall be furnished as follows:

1. The unit shall meet all applicable OSHA requirements.
2. Muncie power-take-off (PTO). CS20 series w/ drag brake
3. Lighting package with lights, reflectors, and wiring harness to meet DOT/FMVSS regulations and South Carolina motor vehicle laws.
4. PTO warning light.
5. Body raised warning light.
6. All necessary mounting materials and hardware.
7. Complete body shall be undercoated with petroleum based undercoating.

EQUIPMENT/SERVICES OPTIONAL: When requested during the contract term, the following optional equipment and/or services shall be provided.

- 1- Body optional equipment additions, deletions and/or substitutions of equipment as may be required by this specification, based on terms found under special conditions of the bid invitation.
- 2- Installation of bodies and associated hardware as may be required during the contract term.
- 3- EZ-Step, 3-step retractable ladder access ladder and grab handle.

COLOR: The unit shall be painted or powder coated gloss black. Paint shall be urethane enamel or equal. The unit shall be cleaned and primed prior to application of the finish paint. Primer not required for powder coating. Serial and data plates shall be protected from being painted over. Complete body shall be undercoated with petroleum based undercoating.

All manufacturer's standard warning, safety, instructional, and identification decals shall be provided; however, there shall be no vendor or dealer identification or advertising decals allowed.

Add Options:

1. Installation of body and hoist systems
2. 40" High Stake Sides & Rears
3. 36" x 18" x 18" Under Body Tool Box