



MISSOURI DEPARTMENT OF TRANSPORTATION
TWO CUBIC YARD STRUCK CAPACITY DUMP BODY WITH DOUBLE ACTING HOIST FOR 1 TON CHASSIS-
CAB WITH 56" OR 60" CA. (LESS HYDRAULIC PUMP, TANK, VALVE ASSEMBLY AND HOSES)
SPECIFICATIONS

BODY

Description - Contractor type all welded 12 gauge steel constructed shell, minimum 6' 6" wide inside x 8' long and a full 96" outside width, 2 cubic yard water level sides and 3 cubic yard ends. Backup alarms are to be provided.

The body head sheet metal panel shall have a double or triple flanged or fully boxed top rail.

The body side sheet metal shall be reinforced by a minimum of two pyramid V-Type, Square or Rectangular boxed vertical braces running from the top rails to the rub rails and have full height fully boxed rear corner braces. The sides shall have full length triple flanged or fully boxed top rails and full length sloping rub rails. Side board sockets are to be provided front and rear. The body understructure shall be steel channel, structural or equal strength steel cross members and longitudinal members. The understructure shall be gusseted and welded to the floor.

The Quarter cab protector shall be made of 11ga. Steel. To include an integral design visibility window.

Each rear corner post shall have a built in shock resistant recessed oval stop/taillight and shock resistant recessed oval backup light. Each light shall have a minimum 8' wiring harness.

The body tailgate will be double acting with boxed braced steel top, side and bottom rails. It will have a minimum 5/16" spreader and hold chains, standard hardware with overhanging top hinge with a minimum of 1" diameter pin and bottom hinge pin with a minimum of 1" diameter. The trip handle is to be upright on left front corner of the body and mounted so as not to interfere with the opening and closing of truck cab door. The trip handle should open the lower hinge on the tailgate with little effort and should not travel more than approximately 90 degrees to a horizontal position. When the tailgate is open to a horizontal position the tailgate should be level with the dump body floor. **A minimum 3/16" x 1 1/2" x 1 1/2" (or equal strength) license plate bracket shall be welded to the tailgate.**

Flared body bracket guides will be attached to either hoist frame or body understructure to align body in position and keep from moving from side to side. A safety body prop should also be provided.

The body overhang shall be approximately 10".

HOIST - Class 20, Minimum 6 Ton Capacity, Underbody Double Arm Lift Type with Double Acting Hoist

Double acting cylinder providing power-up and power down. The cylinder should have a bypass or relief valve which limits the dumping angle to a maximum of 45 degrees. Hoist hinges may be welded or fastened to longitudinal members. (Bolted hinges are preferred but either type will be acceptable). Hoist lift arm connection assembly is to be integral with body. Hinge pins to be removable type with a minimum of 1 1/4" diameter. Do not include hydraulic pump, tank, valve assembly and hoses.

COLOR - Color to be same as the truck specified on the purchase order. The entire must have at least one coat of primer and be treated with a rust protection treatment.

GENERAL - Bids will not be considered on any body and hoist that deviates from these specifications.

Descriptive literature and complete technical data must be furnished with your bid.



The Missouri Highway and Transportation Commission reserves the right to waive technicalities and to reject any or all bids and no bid is final until formally accepted by the Commission.