



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

BODY

Description - Contractor type all welded 3/16" 5052-H32 Aluminum constructed shell, minimum 86" wide inside x 9'5" minimum long and a full

96" outside width, 2.3 cubic yard water level sides and 3.5 cubic yard ends. Backup alarm are to be provided.

The body head sheet 3/16" 5052-H32 aluminum panel shall have a double or triple flanged or fully boxed top rail. 3/16" quarter cab shield with flam cut window. {Wire mesh style window, not acceptable}.

The body shall have full height fully boxed rear corner braces. The 3/16" 5052-H32 aluminum 12.5" 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 floor, 1 piece, 3/16" 5052-H32 aluminum. The body understructure shall be interlaced, 8" 1/4" 5052 formed aluminum longmembers, interlaced with 3" aluminum I-beam crossmembers.

Each rear corner post shall have a built in shock resistant recessed oval LED stop/taillight. Chassis lights to be retained for additional stop/taillights and back up light. Loomed protected wiring harness required.

The body tailgate will 3/16" 5052-H32 aluminum 18.5" height. Boxed braced aluminum top rail, side and bottom rail. Top rail to be gravel shedding. Tailgate will be double acting with quick release handle per side. It will have a minimum 1/4" spreader and hold chains, standard hardware with overhanging top hinge with a minimum of 1" diameter top pin. Bottom hinge pin will be 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.

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.

HOIST - Class C, Minimum 8 Ton Capacity, Underbody Double Arm Scissors Type with Double Acting Hoist

Double acting cylinder {5" x 20" stroke} providing power-up and power down, 50 degree dump angle. 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 minimum of 1" diameter. Do not include hydraulic pump, tank, valve assembly and hoses.

Front & rear flaps required. 1/2x24x24" and 1/2x24x30".

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.