

TC-120 SPECIFICATION - ALUMINUM PICKUP TRUCK DUMP INSERT

GENERAL

COMPLY
YES NO

This requirement is for a fully assembled dump body to be mounted in a pickup truck. _____

Unit shall come complete with all necessary wiring and mounting hardware. _____

The unit shall come standard with remote in-cab up/down controls. _____

CONSTRUCTION

Entire unit to be constructed of 5052 sheet aluminum, 6061 T6 Alloy aluminum extrusions, or type 304 stainless steel. _____

At least 60% of unit to be type 6061 T6 alloy extrusions for maximum strength. _____

Total body weight, less options to be 420 lbs. _____

Body side walls shall be constructed of minimum 1/8" 5052 aluminum sheet, with extruded box rails, floor planks and z-rails of 6061 T6 alloy aluminum. _____

The extruded-plank floor shall be constructed of minimum 1.25" high, x 5" wide T6 extruded planks, tongue-in-groove style to provide maximum strength to adjoining planks. _____

Dump insert bed rails shall project above, and cover pickup top rails.
(1.5" Spacer required on certain deeper-than-standard pickups) _____

The unit shall have its own sub frame of extruded T-6, 2" Sq aluminum tubing designed to handle and distribute rated load. _____

The unit shall be designed for easy installation and removal using 2 mounting bolts and retainer plates on centerline of body. All grade 5 mounting hardware to be furnished with insert. _____

The floor height of dump body above pickup floor shall be 3.25" to keep load center of gravity low. _____

The rear hinges shall employ nylatrol bushings. _____

COMPLY
YES NO

TAILGATE

The tailgate shall be constructed of minimum 1/8" formed aluminum, with extruded T6 top and bottom rails for strength and appearance. _____

The tailgate sides and inner facing plate shall be constructed of minimum 1/4" aluminum, welded to top and bottom extruded caps for best durability. _____

The tailgate shall use minimum 1/2" diameter stainless steel pivot/latch pins top and bottom. _____

The tailgate shall use a stainless steel paddle latch to retract the upper retaining pins to open the tailgate from the top. _____

The tailgate shall use one lanyard each side to unlatch the lower retaining pins. _____

Top and bottom tailgate latching shall be "slam shut" type with spring loaded stainless steel pins. _____

Tailgate chains shall be bright galvanized steel and have nylon mesh sleeves to prevent body chafing during transit. _____

The tailgate shall be full height to top of box rails. _____

FINISH

Finished fabrication shall be 100% cleaned of weld smoke, spalls and spatter. _____

Finished fabrication shall be treated with a surface brightener. _____

WARRANTY

Unit shall carry 3 year factory warranty. _____

CYLINDER

Three stage telescopic type, trunnion mount. _____

Rated pressure - 1,500 psi. _____

Rod to be chrome plated. _____

Cylinder to incorporate O-ring seals with external rod wipers. _____

Cylinder to develop rated lift capacity at less than 100% of max. design press. _____

COMPLY
YES NO

PUMP

Pump shall be a MONARCH® 12 volt self-contained electro/hydraulic type. _____ _____

Pump shall be overload protected with internal pressure relief. _____ _____

Pressure: maximum 3,000 psi, operating-2,800 psi. _____ _____

PAYLOAD CAPACITY

7,000 lbs dump capacity. _____ _____

2.4 cu yds -water level. _____ _____

5+ cu yds with side boards. _____ _____

Hoist/pump combination to provide rated dump/lower cycle in max. 39 seconds. _____ _____

BODY DIMENSIONS

Overall Length. 106" _____ _____

Interior length 98" _____ _____

Overall Width 68" _____ _____

Top Width inside 61" _____ _____

Bottom Width inside 48-1/8" _____ _____

Overall Body Height 24" _____ _____

Inside Height 20" _____ _____

DUMP ANGLE

Minimum 47 degrees _____ _____