

UPGRADED 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.

Electrical circuit shall provide a resettable, 150 AMP circuit breaker installed in the power wiring under the vehicle hood that may be manually switched off for tamper-proofing unattended insert

CONSTRUCTION

Entire unit to be constructed of 5052 sheet aluminum, 6061 T6 Alloy aluminum extrusions, and use 304 stainless steel hardware.

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 1.5" 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.

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

The rear hinges shall employ lube-free nylatrol bushings & min. 3/4" stainless pins.

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 ends 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 three year factory warranty including all components. _____

CYLINDER

Three stage telescopic type, trunnion mount. _____

Rated pressure – 3,000 psi. _____

Rod to be chrome plated. _____

Cylinder to incorporate dual-lip rod seal glands with external rod wipers. _____

Hoist to develop 7,000 lb lift capacity at less than 100% of max. design pressure. _____

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

47 degrees _____