

# TC-121S 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 375 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" thk 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 for extended life. \_\_\_\_\_

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. \_\_\_\_\_

2.0 cu yds -water level. \_\_\_\_\_

4+ cu yds with side boards. \_\_\_\_\_

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

**BODY DIMENSIONS**

**SHORTBED 6.5'**

Overall Length. 85.5" \_\_\_\_\_

Interior length 78.5" \_\_\_\_\_

Overall Width 68" \_\_\_\_\_

Top Width inside 62" \_\_\_\_\_

Bottom Width inside 48.5" \_\_\_\_\_

Overall Body Height 25.5" \_\_\_\_\_

Height Beneath Rub Rail 23" \_\_\_\_\_

Inside Height 22" \_\_\_\_\_

**DUMP ANGLE**

50 degrees \_\_\_\_\_