

TC-100 SPECIFICATION - PICKUP TRUCK DUMP INSERT

GENERAL

COMPLY
YES NO

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

Unit shall come complete with all necessary wiring, piping & mounting hdw. _____ _____

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

The unit shall have a 150 AMP in-line circuit breaker. _____ _____

CONSTRUCTION

Body side walls shall be constructed of minimum 14 ga steel, with a formed box rail, bent and reinforced in such a way as to provide maximum strength, but still be open at the bottom of the box rail to prevent trapped moisture _____ _____

The seamless floor shall be constructed of minimum 12 ga steel and be fully welded to side and front sheets so no caulking is required to cover gaps in welds. _____ _____

Dump insert's bed rails shall project above, and cover pickup top rails. _____ _____

The unit shall have its own sub frame designed to handle and distribute rated load. _____ _____

The unit shall have 2 inboard stake pockets at front, and 16" removable corner standards at rear on top of box rails. _____ _____

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 & retainer plates to be furnished with insert. _____ _____

The unit is to be powered by a 12 volt MONARCH™ electro-hydraulic pump. _____ _____

The unit shall use 3 rubber body bumpers as bed rests at front of sub frame. _____ _____

The rear body hinges shall employ ¾" stainless steel hinge pins, using lubed-for-life Nylatrol bushings to prevent wear, and provide smooth operation. _____ _____

The body shall have body stays to guide the body during last 3" of down-travel and to keep the body aligned during transit. _____ _____

COMPLY
YES NO

TAILGATE

The tailgate retaining pins shall have lanyards and hairpins to positively secure them in their locked position, and prevent loss of the pins when the tailgate is open.

The tailgate shall use minimum 3/4" hinge pins, top & bottom.

Tailgate chains shall have nylon mesh sleeves to prevent paint damage during transit.

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

The tailgate shall be constructed of formed & welded 10 gauge steel.

PAINT

Finished fabrication shall be 100% cleaned of weld spalls and spatter prior to painting.

Finished fabrication shall be treated with hot phosphatizing acid.

Unit shall have separate primer coat of Sherwin-Williams™ or equivalent enamel primer.

Unit shall have finish coat of Sherwin-Williams™ or equivalent enamel with added hardener.

WARRANTY

Unit shall carry 3 year factory warranty, including all components.

CYLINDER

Bore diameter - 4"

Rod diameter - 1 3/4"

Rod to be chrome plated

Working pressure to be 2,800 Lbs.

COMPLY
YES NO

HOIST

Hoist to be hydraulically powered Scissors type. _____

Hoist shall use 2" sq tubing as minimum cylinder side members. _____

Hoist top bar to be constructed of solid 1-13/16" diameter steel bar minimum. _____

Hoist shall be mounted in welded-in "U" cradles top and bottom, with removable bolts for easy hoist removal. _____

PUMP

Pump shall be MONARCH™ self-contained electro/hydraulic type. _____

Pump shall be overload protected with internal pressure relief. _____

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

12 volts DC _____

In line 150 amp reset-able circuit breaker installed in power cable _____

PAYLOAD CAPACITY

6,200 lbs dump capacity _____

2 cu yds -water level _____

5 cu yds with side boards _____

BODY DIMENSIONS

Overall Length. 107" _____

Interior length 101" _____

Overall Width 70" _____

Top Width inside 62" _____

Bottom Width inside - minimum 48.5" _____

Overall Body Height 24.5" _____

Inside Height 16.5" _____

DUMP ANGLE

Forty-seven degrees _____