

TC-101 MAGNUM DUMP INSERT SPECIFICATION

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 #4 Ga Pwr Cable & 150 AMP in-line circuit breaker. _____ _____

The unit shall fit tall-side F-150, and late model GMs without a height spacer. _____ _____

Dump insert floor height to be less than five inches above pickup truck floor for low center of gravity and safety during transport of load. _____ _____

The unit shall have a #4 Ga. power cable & 150 amp re-settable circuit breaker. _____ _____

All weight bearing pivot points to employ lubed-for-life bushings. _____ _____

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 _____ _____

All floor seams shall be fully welded so no caulking is required to cover gaps in welds. _____ _____

Bed rails of insert shall project above, and cover pickup top rails. _____ _____

The unit shall have its own 6061 T6 aluminum alloy sub frame designed to handle and distribute rated load. _____ _____

The unit shall have 2 stake pockets at front, 8 outboard stake pockets welded to box rails, and a full length external tie down rail. _____ _____

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 & aluminum washers to be furnished with insert. _____ _____

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

The rear dump hinges shall employ 3/4" stainless steel hinge pins, using lubed-for-life bushings to prevent wear and provide smooth operation. _____ _____

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 and welded 12 gauge steel.

PAINT

Welded fabrication shall be 100% cleaned of weld spalls and spatter prior to powder coat prep.

Finished fabrication shall be grit blasted to remove contaminants and provide mechanical etching for primer adhesion.

Unit shall have separate coat of zinc-rich primer prior to powder-coating.

Unit shall have powder coat final finish for durability.

WARRANTY

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

CYLINDER HOIST

Three stage telescopic type, trunnion mount.

Rated pressure – 3,000 lbs.

Working pressure to be 2,500 Lbs.

Rod sections to be chrome plated and incorporate internal rod guides.

Pivot points (3) for cylinder shall incorporate lubed-for-life bushings.

COMPLY
YES NO

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 - 2,500 psi. _____

12 volts DC _____

In line 150 amp resetable circuit breaker installed in #4 Ga power cable. _____

PAYLOAD CAPACITY

6,200 lbs dump capacity _____

2.5 cu yds -water level _____

5+ cu yds with side boards _____

BODY DIMENSIONS

Overall Length 105" _____

Interior length 99" _____

Overall Width 72" _____

Top Width inside 62" _____

Bottom Width inside - minimum 48.5" _____

Overall Body Height 27" _____

Inside Height 22" _____

BODY WEIGHT

Overall weight 600 lbs _____

DUMP ANGLE

Forty-seven degrees _____