TECHNICAL DESCRIPTION
of
22 m³ GARBAGE COMPACTOR

GENERAL

Hydraulic refuse packer consists of a body mounted on any brand of chassis with min. 30-32 tons of GVW and 4.200 – 4.800 mm wheelbase, correct PTO and RPM controls, a tailgate with compression mechanism, a push-out plate inside the body, hydraulic installation and control mechanism.

RUNNING TIME:

*depending on availability of engine programming on truck!
Compression Cycle : 25-35 sec.
Discharging Time : 35-45 sec.
Compression Ratio : Up to 1/6 * For solid waste

CAPACITIES & THICKNESSES
BODY SUITABLE SIZES FOR TAILGATE

NET VOLUME	:	**22 m³**
BODY FLOOR	:	5 mm HARDOX
BODY SMOOTH SIDE WALLS	:	4 mm
BODY TOP FLOOR	:	4 mm

TAILGATE

TAILGATE VOLUME	:	2 m³ (not water level)
TAILGATE FLOOR	:	6 mm HARDOX
TAILGATE SIDE WALLS	:	4 mm HARDOX

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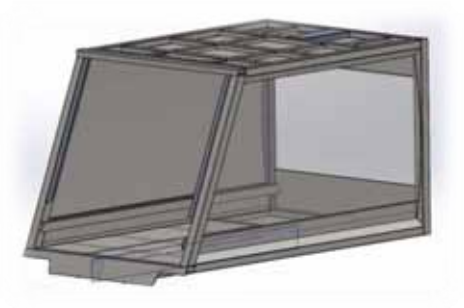
1. BODY



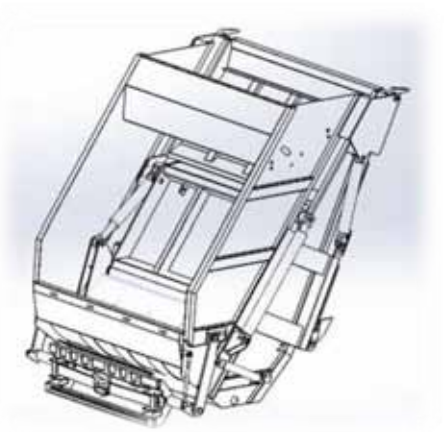
Smooth walls from 4 mm. thickness with suitable reinforcements all around. Front frame with strong beams to stand thrust of hydr.-cylinder for the push-out-plate.

There is a dirty water tank in front bottom of body as standard Body is connected to truck sub-frame with interlaced sub frame using elastic and rigid elements.

2. PUSH-OUT PLATE

PUSH-OUT plate moves in the NPU rails which are welded above from the floor to the inner sides of the body. Front main plate made from 4 mm. Push-out plate has easily replaceable 8 units of poliamid shoes with bolted connection. Ejection plate moves by means of a double acting telescopic cylinder. It's kept at the rear of the body when it's empty, and moves automatically to the front by means of a counter pressure valve as the refuse is packed in the tailgate.

3. TAILGATE AND COMPACTION MECHANISM



Tailgate connected to body with top hinges. The tailgate structure is consist of 1 sledge, 1 shovel, hopper and their cylinders. When garbage is put inside the hopper, with the help of the sledge and shovel this garbage goes into body and compressed with push-out plate. Sledge moves linearly and shovel moves radially to sweep the garbage inside the body, the sledge runs on sliding rails with roller or shoes.

TAILGATE VOLUME	:	2 m³ (not water level)
TAILGATE FLOOR	:	6 mm HARDOX
TAILGATE SIDE WALLS	:	4 mm HARDOX

Accessories on the tailgate:

- Waste water tank under hopper
- Waste water drainage outlets on both side of tailgate
- Full cover of tailgate Rubber seal between tailgate and body to prevent dirty water leakage.
- Security valves on tailgate to prevent sudden fall of tailgate during maintenance and discharging of refuse.
- Two safety bars will be given to be put during maintenance.

4. HYDRAULIC INSTALLATION

Hydraulic power supplied by means of a gear type 82 lt. / min mounted to the PTO (excluding scope of supply) on the gearbox of the truck. Capacity of the pump is so chosen that, 25-35 seconds of Compression Cycle is achieved in the tailgate.

Hydraulic Oil tank has 125µ suction filter, a 25µ return filter, a venting cover, a level and temperature indicator, a ball valve at the suction line, and a discharge tap.

All piping is made with Cold Rolled, all the connection are of EO Type and the pressure hoses are according to SAE 100 R2 and suction hose is according to SAE 100 R4.

Opening and closing of the tailgate and forward-backward movement of the push-out plate are controlled manually by the two spool directional controlled valve mounted in the right of the body. The movement of slide and shovel mechanism controlled automatically by a three spool electro pneumatically controlled directional control valve mounted on the tailgate. All the valves used in packer are first class.

5. OPERATION

When the refuse loaded into the hopper at the same time it's pressed into the Body by the slide-shovel mechanism working in sequence. The operator just pushes a button, the engine is also accelerated automatically during compaction cycle for fast compacting (depends on availability of engine programming). Working sequence is provided by a printed electronic card, limit and pressure switches and buttons.

The control-box is placed on right side of the tailgate from rear (can be changed acc. to the customer request) and is completely hermetic.

There're start, stop, emergency, driver signal, and engine accelerating buttons (DEPENDING ON TRUCK) and a switch to choose continuous, single compression on the control-box. There will be two emergency button located on both side of tailgate in unit.

When the emergency button is pressed the compression cycle movement reverses and stops at the beginning position. Each of the movement can also be controlled by levers located on right-side of the tailgate manually in case of any defect in electricity or in special cases. The refuse is discharged by means of the push-out plate after opening the tailgate.

6. CONTAINER LIFTING SYSTEM

There is a container lifting system powered two double acting cylinder for one 1.1 m³ - 660 lt. standard containers with dome lid opening and tailor design fork type lifting mechanism for containers sized from 0.24 m³ up to 0.30 m³ and skip loader for 6-7 m³ steel container (Design will be approved before order)

7. ACCESSORIES

- Foldable Operator Steps on both sides
- Additional dirty water tank located under body, 100 lt. With discharge valve and hose.
- Hand grips, hand bars on both sides for operators
- One Nos Working light in suitable place of tailgate
- Two Nos Rotating beacon one in suitable place of tailgate, one in front.
- Operating sticker's on necessary places.

8. PAINTING

The body and tailgate are cleaned from any residue, then sand blasting applied. Then primary and epoxy coating and final paint of two layers.

9. WARRANTY

Products will be under of warranty for one year consisting of bad workmanship and lack of material quality.