

## Refuse Collecting Truck – Side Loading

**Model: EL-6/ EL 9V**

### Technical specifications of refuse collecting truck

#### I- Vehicle Requirements:-

- Diesel Engine-4Shroke-4cyl or 6 cyl
- Power is not less than 100HP.
- GVW is not less than 6000 Kg.
- Other technical specifications according to consumer's requirements.

#### II- Refuse Collecting Body:

##### 1- Refuse Container:-

- Capacity 6 : 9 m3 dependent on chassis load capacity.
- Hot rolled steel sheets of 4mm thick for the bottom and 3mm thick for the sides.
- Corrugation in the side sheets to give extra strength.
- The cross members are in U-shape that would form a strong square with the bottom plate.
- A strong wooden wedge to ensure uniform load distribution on the truck chassis.
- A normally closed Hydraulic cylinders to open and close the rear gate

##### 2- Ejector:

- Heavy duty Ejector made of U-beams covered by 4mm steel sheets is capable to press the refuse from 3:1 up to 5:1 dependant on refuse nature.
- Powerful-double acting hydraulic cylinder moves the ejector forward and backward.
- Railways guide the movement of the ejector.
- Easily changeable bearing of the ejector.
- The ejector moves backward to compress the refuse or to eject it outside of the container if the rear-gate is opened.
- The ejector initial position is very near to the front edge of the container to reduce the dead volume of the container

##### 3- Side loading mechanism ( option ):

- Operates by means of two hydraulic cylinders.

- Could be adapted for many refuse containers.
- The whole process is hydraulically operated.
- One side or two sided loading mechanisms are available.

##### 4- Hydraulic System:-

- Hydraulic gear pump connected to the P.T.O
- Maximum pressure limits can be set according to customer requirements.
- Automatic valves system to make continuous cycle through one touch from the operator.
- Hydraulic tank with filters, lids, temperature gauge and level indicator are standard.
- Oil tank capacity is 70 liters
- European & American components.
- The pressure is conservatively regulated to ensure long life of hydraulic components.

##### 5- Paint:-

- The inner surface of the refuse container shall be painted with two layers priming coats after sand blasting, then it will be painted with two layers of anti-rust, anti-corrosion paints
- The outer surface is painted by the same way as the inner surface but the final paint is painted using the desired color and stamps.

##### 6- Maintenance:

- Available by our specialized center.

##### 7- Warranty:

- For the chassis, according to manufacturer terms
- Garbage body has 24 months warranty against manufacturing defects.

**REFUSE COLLECTING VEHICLE  
Side Loading****Model: EL-06V To EL-09V**

- 6-9m<sup>3</sup> capacity
- compression ratio 3:1 to 5:1
- Double sided loading (option)
- Economic (5 m<sup>3</sup> refuse volume for each ton of vehicle GVW)
- Rear discharging without tipping
- Good maneuverability
- Low maintenance cost
- Simple hydraulic system
- Minimum dead volume of refuse container.
- Min. truck length (no rear loading)
- Optional (hydraulic bucket)
- Single or double hydraulic piston ejector
- Fast operation
- Lower cost
- Durability
- Adaptability to climate and topography of middle East and Africa
- Hydraulic Circuit, operates on the vehicle's PTO

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