

# GARBAGE COLLECTING TRUCK

## REAR LOADING

Model: GCTL series  
**G.R 16-20**



- Capacity 16-20 m<sup>3</sup>
- Compression ratio 3 : 1 to 5:1 .
- Rear Loading.
- Reliable ejector.
- Double acting hydraulic piston Ejector.
- Could be manually loaded with little effort.
- Various capacities & shapes of garbage bins.
- Suitable for large cities.
- Suitable for climate and topography of middle east and Africa.

### **I- Vehicle Requirements:-**

- Diesel Engine-4 Stroke-6 cyl.
- Power is not less than 170HP

### **II- Refuse Collecting Body:**

#### **1. Refuse Container:-**

- Capacity 16 : 20m<sup>3</sup> 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.

- Provided with hydraulic lifting arm to lift the garbage bin
- Best Quality paints.
- Reliable hydraulic system.
- Two rotating bacons in yellow color.
- Easy maintenance.
- Rear bucket has 2 m<sup>3</sup> capacity.
- Easy movement of Ejector.
- Fast and easy operation.

- GVW is not less than 12000 Kg.
- Other technical specifications according to consumer's requirements.

- 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.
- Two normally closed hydraulic cylinders are powerful enough to lift the tail gate.





## 2. Ejector:

- Heavy duty ejector made of U-beams covered by 4mm steel sheets is capable to press the refuse up to 5 to 1 dependant on refuse nature.
- Powerful-double acting hydraulic cylinder moves the ejector forward & backward.
- Railway guides the movement of the ejector.

## 3. Tail gate:

- 2 m<sup>3</sup> capacity.
- The tail gate has an optional mechanism to lift refuse bins to pour their contents in the tail gate bucket.
- The whole process is hydraulically operated.

## 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.
- Optial PLC system to computrize the complete operator

## 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

## 6. Maintenance:

- Available by our specialized center.

- Easily changeable bearing of the ejector.
- The ejector moves backward to compress the refuse or to eject it outside of the container if the tail-gate is lifted up.
- The ejector initial position is very near to the front edge of the container to reduce the dead volume of the container

- A heavy duty mechanism is designed to support the plate to collect the refuse and pushes them into the container.
- The tail gate is lifted high enough to make it easy to eject the refuse out

- Hydraulic tank with filters, lids, temperature gauge and level indicator are standard.
- Oil tank capacity is 150 liters
- European & American components.
- The pressure is conservatively regulated to ensure long life of hydraulic components.

- 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.

## 7. Warranty:

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