

## 4X2 EURO 6 DONGFENG 156HP 170HP 12CBM COMPACT GARBAGE VEHICLE REAR LOADER GARBAGE TRUCK

Our Product Introduction

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### Basic Information

- Place of Origin: Hubei, China
- Brand Name: Dongfeng
- Minimum Order Quantity: 1
- Packaging Details: Nude
- Delivery Time: 10 days
- Supply Ability: 50 sets per month



### Product Specification

- Product Name: Garbage Compactor Truck
- Dimensions (L X W X H) (mm): 8700x2350x2900mm
- Condition: New
- Operation: Cab/Rear/Remote
- Box Material: Q345R
- Garbage Can: 220/660/1100 Liters
- Rear Cover: Equipped
- Warranty: 1 Year
- Highlight: 12CBM COMPACT GARBAGE VEHICLE,  
170HP COMPACT GARBAGE VEHICLE,  
REAR LOADER GARBAGE TRUCK



### More Images











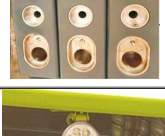

## Product Description


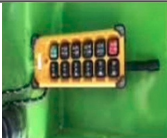





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#### Product Description

##### A. Parts Introduction



No.	Items	Features	Photo
1	High pressure filter	Perform a second pass on the hydraulic oil to make it cleaner and reduce the occurrence of hydraulic system failures in multiple valves.	
2	Back pressure valve	Bidirectional compression, increasing the compression ratio for loading garbage and increasing the loading capacity of garbage.	
3	Hydraulic oil tank	Equipped with triple filtration function, it stores the oil required for system circulation. Radiating the heat during the operation of the system.	
4	Multi way valve	Adopting Jiangsu Zhongmei/Weisenbole hydraulic valves, with high precision and stable performance.	
5	Hydraulic oil pipes	Using precision high-pressure oil pipes, it is resistant to high pressure, corrosion, and has a long service life.	
6	Hydraulic cylinder	Using well-known Boli/Feida brand oil cylinders	
7	Proximity switch	Using photoelectric induction switch to switch actions, reducing cylinder pressure, and making the electronic control system more stable.	
8	Integrated nylon slider	Sturdy and wear-resistant, with self-lubricating function, and long service life.	
9	Tail lighting	Convenient for operation at night or in poor lighting conditions.	
10	Sewage tank	Installed at the bottom of the filler to prevent transportation secondary pollution along the way. The sewage tank cover is made of galvanized material, which is corrosion-resistant and durable	

11	Rear rotating mechanism	New roller structure, low resistance, and easy operation. Smooth rotation, capable of hanging up to 120 liters at the same time, 240 liter or 660/1100 liter trash can.	
12	Remote control device	Remote control for loading and unloading garbage, more intelligent and user-friendly.	
13	Electronic control device	Adopts Siemens PLC or CAN bus electronic control system, which is easy to operate and easy to use.	
14	Balance valve	To ensure synchronous action of oil cylinder and prevent oil pipe leakage burst to ensure safe operation of the filler.	
15	Curved box body	Using robot automation welding, box body The structure is more stable, and the weld seam is beautiful without scraping.	
16	Sewage tank	With a large capacity sewage tank hanging on the side to accommodate more excessive sewage with cleaning port.	
17	Stuffer locking hook	Locking hook device, structurally secure, adjustable, ensuring a tighter gap between the filler and the box.	

## B. Function Introduction

The box has a volume of 18 cubic meters and is used for loading household waste. It consists of a sealed garbage bin, a filler, a shovel, a hydraulic transmission system, and an electrical control system. The whole vehicle is a fully enclosed type, adopting electrical and hydraulic integration technology. With the help of a mechanical, electrical, and hydraulic joint automatic control system, special devices such as garbage bins, fillers, and shovels are used to achieve garbage dumping, crushing or flattening, and strong lifting and filling, squeezing garbage into the carriage and compacting and unloading it. During the compression process, all the sewage enters the sewage tank, solving the problem of secondary pollution during garbage transportation. Users can choose to install different flipping mechanisms according to different garbage collection methods: flipping standard garbage iron bucket ZBT59003-88 (300L), plastic garbage bin (240L), plastic garbage bin (660L), and can also choose to install flipping mechanisms such as triangular bucket, large floor bucket garbage bin, and swing arm garbage bin. Pneumatic sealing caps can be optionally installed.



## C. Main performance and characteristics

1. The box body is made of reinforced beams and high-strength steel plates welded together to form a sturdy frame structure. It is made of high-quality Q345 special steel from Wuhan Iron and Steel Group, with 6mm sides and 6mm bottoms. The overall edge plate of the curved box body is aesthetically pleasing, with good stress and no deformation; The push shovel is composed of a rectangular tube skeleton and a folding panel, which not only has a lightweight structure but also can evenly distribute garbage and discharge materials thoroughly and cleanly.

2. The welding seam of the box adopts the first domestic robot automated welding process, which does not scrape dust or leak water. The box has a beautiful appearance, strong pressure resistance, firm structure, larger loading capacity, and a dirty water tank on the side of the box.

3. The key components of the electrical hydraulic system adopt well-known brands: equipped with Jiangsu

Zhongmei/Weisenbole multi-channel valves, Anhui Wanye/Changyuan hydraulic oil pumps, Siemens PLC control system (optional CAN) (two control boxes in total) with remote control, Jiangsu Feida/Hubei Boli hydraulic cylinders. All sealing components of the oil cylinder adopt the HALLITE brand imported from the UK to ensure the service life of the oil cylinder. A bidirectional balance valve is installed in the hydraulic system of the lifting filler. This valve not only ensures a smooth descent of the filler, but also isolates the direct connection between the lifting oil cylinder and the hydraulic hose. Even if the oil pipe bursts, the filler will not suddenly fall, improving the safety of use.

4. The tail feeding flipping mechanism is widened and thickened, and the shaft sleeve of the flipping mechanism adopts quenching processing technology. The main pin of the flipping arm adopts through and double-sided welding technology, which is sturdy and durable, and will not break

5. The filler assembly is mainly composed of components such as the filler housing, skateboard, scraper, etc. The filler slide is formed by cold bending of high-strength wear-resistant materials, and both sides of the skateboard are made of integral nylon sliders, which have self-lubricating properties, high stability, easy maintenance, and better wear resistance; The force bearing part of the scraper adopts local reinforcement treatment, and the structure is firm. The lower curved plate is made of high-strength wear-resistant materials, and there are leakage ports processed on the curved plate, which facilitate the internal sewage of the filler to flow into the lower sewage storage box and avoid sewage leakage during transportation. A large capacity sewage storage box is set at the lower part of the filler, and there are large-diameter galvanized sewage discharge ports on both sides of the sewage box.

6. Advanced electronic control system: Adopting imported PLC (programmable logic controller) integrated control, adopting logic circuit to ensure that each operation instruction is executed in sequence, while ensuring interlocking between each operation instruction, reducing the occurrence rate of faults and improving reliability; Automatic control of engine power output: The engine power output control, also known as throttle control, can be fully automated through the electrical system to meet the power requirements for garbage filling cycles and pushing and unloading. In other working conditions, the engine will automatically idle, reducing power loss and failure rates, reducing fuel consumption, and improving usage economy.

7. Convenient operation control. The operation control box is installed inside the driver's cab and on the right side of the rear of the vehicle, with an emergency stop button on the left side and a remote control. The operation control box inside the driver's cab can control the pushing and unloading of materials and select operation modes (such as automatic or manual). The operation control box at the rear of the vehicle controls the operation of the filling mechanism and the bucket flipping mechanism, making it very convenient to use and operate. The work of each institution has three operating modes: automatic, manual, and remote control. If there is a malfunction in the automatic operation, manual operation can be used to complete the operation of the institution and unload garbage, ensuring the efficient operation of the garbage truck,

8. Dual sewage collection box design, sealed treatment, eliminates secondary pollution. The sewage box is equipped with a unique discharge valve, which is reliable and not easy to block.

## Truck Specs

12CBM Dongfeng Garbage Truck	
Overview	
Name	12CBM Dongfeng Garbage Truck
Dimension (LxWxH)	7800x2400x3200(mm)
Total Mass	14020Kg
Rated Payload	5665Kg
Kerb Weight	8200Kg
Passenger	3
The Parameters of Chassis	
Manufacture/Model	Dongfeng
Driving Type	4*2 left hand drive
Wheel Base	3800 mm
Gearbox	Six speed forward and one reverse, manual
Tyre	8.25R20
The Number of Tyre	6+1 (spare tyre)
Leaf Spring Number	8/10+7
AC, Power Window, Central Locking, etc.	Included
The Parameters of Engine	
Manufacturer/Model	ChaoChai/NGD3.0-CS6
Rated Power	163hp
Fuel Type	Diesel oil
Displacement/Capacity	2968ml
Emission Standard	Euro 6
Cylinder	In-line/4/turbo/intercooling/EGR+DOC+DPF+SCR+ASC
Max. torque	450N.m
Velocity	3200rpm
The Parameters of Equipment	
LOGO/Color	Customizable
Body Material	Q345
Thickness	Side 5mm/bottom 5mm
Container Capacity	12 m <sup>3</sup>
PLC Control	Equipped, Simmens
Hydraulic Cylinders	Bele with high pressure filter
Oil Pump	Ruizhi



Remote Control	Equipped
Lifter	For bins 240L/660/1100L etc.
Indication Language	In English



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