

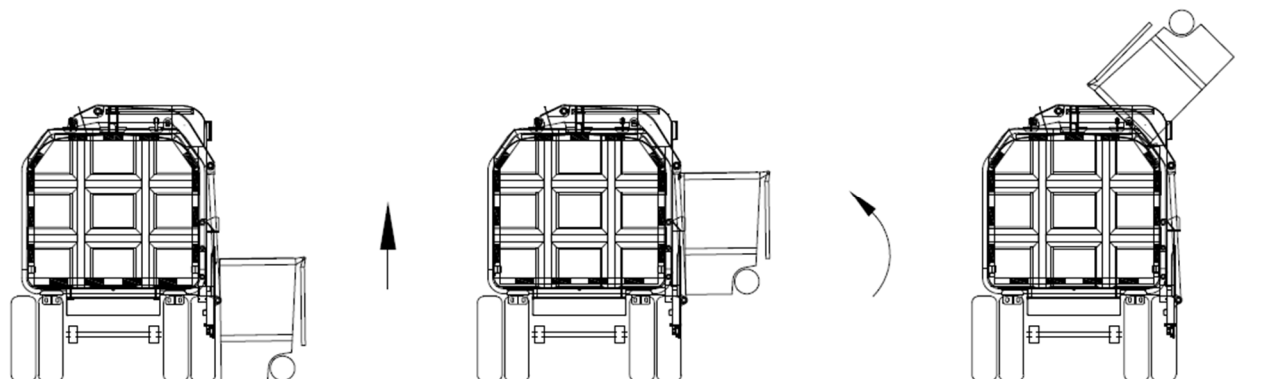
# SELF-LOADING&DISCHARGING GARBAGE TRUCK



## Main Parameters

Items		FLM5120ZZZDTBEV
GVW	kg	11900
Wheelbase	mm	4200
Payload Weight	kg	4465
Upper Weight	kg	2100
Selectable Of Chassis Brand		DONGFENG
Discharging Time	s	≤60
Lifting Recycle Time	s	≤20
Hydraulic System Working Pressure	MPa	16
Discharging mode		Push plate discharge
Dustbin Effective Volume	m <sup>3</sup>	≥4.5
Power Type		BEV
Endurance mileage	km	420
Total Electricity Storage Capacity	kWh	218.54
Sewage Tank Volume	L	250

## Technical Specification



# Base Specification

## Discharging mode:

- Adopt the push plate self-unloading mode, the push plate adopts the overall inclined plate design to improve the effective volume of the garbage can; adopt the special thickened sealant strip to improve the service life of the rubber strip, and the push plate can push out the box more, which is convenient to clean the garbage at the back of the push plate, with good maintainability and improved work efficiency.

## Lifting device:

- The right side of the box is equipped with bucket hanging, pressing and supporting bucket structure, main guide rail and auxiliary guide rail of the lifting frame, which can lift 120 and 240 liters of standard garbage cans. The friction in the lifting process is small, the lifting mechanism does not open in the straight-line movement process, and the movement is smooth, safe and reliable. The lifting mechanism and the upper cover plate form a linkage mechanism (national patent technology) through the connecting rod and swing arm, which not only saves cost, but also improves work efficiency Industry efficiency.
- The use of special lifting mechanism anti leakage device can effectively avoid the problem of sewage leakage in the lifting process, reduce secondary pollution, environmental protection and safety.
- Equipped with feeding buffer device, the bucket turning time can be adjusted, feeding is stable, splashing is avoided, and safety and environmental protection are improved.

## Chassis:

- Adopt the pure electric vehicle class II chassis of DONGFENG Automobile Group Co., Ltd. in response to the national policy of energy conservation and emission reduction, use the battery of the chassis itself, and adopt the electric control design for the main operating system, which not only saves energy, but also reduces the operation cost. At the same time, share the power battery with the chassis, and install the power to drive the hydraulic system from the chassis power take-off, so as to realize the garbage disposal Loading, unloading and receiving functions.

## Body:

- It is made of all stainless steel materials to ensure that it is not rusted for years. Integral frame structure, large curved side arc box, convex arc back door, strong deformation resistance, long service life, strong loading capacity.

## Other advantages:

- Equipped with sewage collection, discharge and flushing device, it can preliminarily realize solid-liquid separation, drain and collect excess sewage, discharge uniformly, or connect with fire hydrant pipe to flush the sewage tank, ensure environmental protection and safety, improve loading capacity and maintainability.
- Equipped with tires to avoid the vehicle unable to operate due to emergencies and improve the maintainability.
- Special rear door rubber strip and groove are used to extend the service life of rubber strip and improve the sealing of rear door
- Adopt the special back door anti dripping device to undertake the slops leaked when the back door is not sealed, with simple structure and environmental protection safety.
- Equipped with rear door safety brace device, when the rear door is opened for maintenance, support the safety brace to prevent the rear door from falling accidentally and improve safety.
- The angle adjustment mechanism and adjustable connecting rod at the upper end of the guide rail can be lifted to adjust the tipping angle of the garbage can and the height of the toothed plate from the ground, so as to avoid the problem that the garbage can not be dumped clean due to the insufficient tipping angle of the garbage can, which has strong compatibility and low production requirements.
- Equipped with night work lights to facilitate night work and expand the working time range.
- Equipped with liquid level observation window in the box to facilitate the observation of garbage loading in the box and control the full degree of the garbage box

### **Hydraulic system:**

- The rear door oil cylinder seat is arranged vertically, which is convenient for installation and maintenance, and the sequence valve is used to realize the opening and closing sequence of the rear door and the bolt, with reliable action and low cost.

### **Cleaning device:**

- The vehicle mounted hydraulic drive cleaning device can clean the vehicle, site and surrounding environment, with compact structure and good maintainability.

### **Optional device:**

- Rear view equipment with waterproof night vision and other functions can be selected.
- The weighing system with weighing, printing, uploading, displaying, positioning, video monitoring, garbage bin card reading and identification functions can be selected, which is mainly composed of four parts, including intelligent weighing equipment, receiving display instrument, intelligent terminal and other vehicle accessories.
- Optional waste water tank heating device adopts independent fuel liquid heater to heat the circulating cooling liquid in the heating pipe of the waste water tank through combustion and heat exchange. It has the advantages of low fuel consumption, high thermal efficiency and low exhaust emission. It is used to solve the low temperature operation of the vehicle in winter and avoid the freezing of the waste water tank and the bottom plate of the tank.
- The screw discharge device can be selected. When the rear door is closed and sealed, the garbage can be discharged from the discharge port through the screw conveyor to be clean and safe.
- The automatic mode of lifting loading, pushing plate unloading and screw unloading can be selected to improve the intelligent and humanized level of the whole vehicle and reduce the labor intensity.
- Aluminum alloy side protection can be selected, which can reduce the weight of the whole vehicle and have a beautiful appearance.
- Dustbin automatic cleaning and disinfection device.