

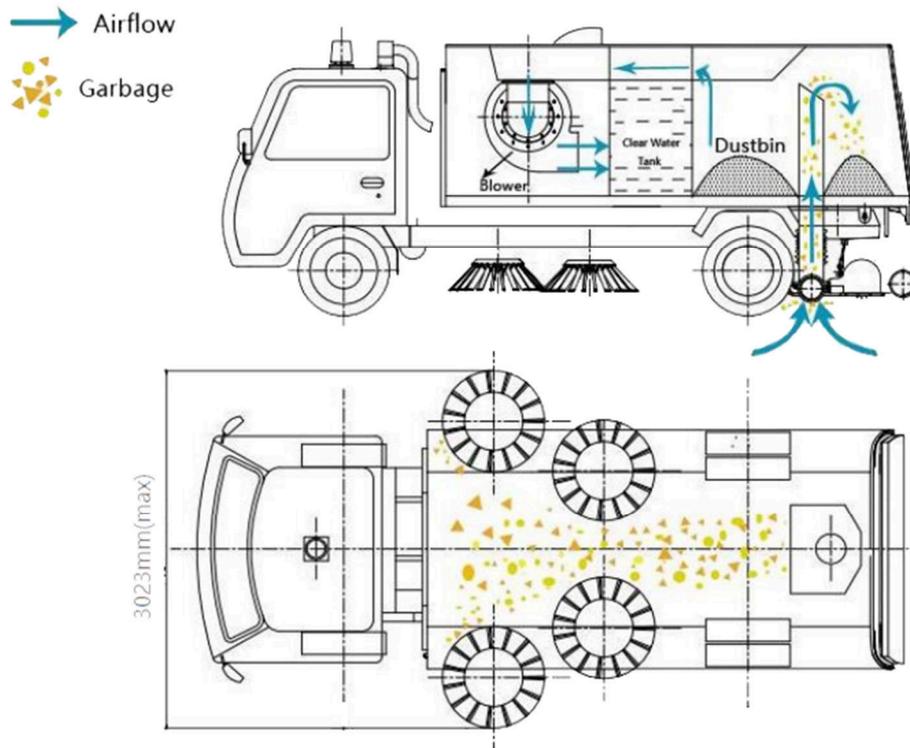
# SWEEPER TRUCK



## Main Parameters

Items		FLM5120TSLDTBEV
GVW	kg	11900
Wheelbase	mm	4200
Payload Weight	kg	3305
Upper Weight	kg	3260
Max Speed	km/h	90
Selectable Of Chassis Brand		DONGFENG
Dustbin Effective Volume	m <sup>3</sup>	3.5
Water Tank Volume	m <sup>3</sup>	2.5
Max Sweeping Width	m	3.2
Cleaning Speed	km/h	3~20
Sweeping Efficiency		≥96
Max Sweeping Ability	m <sup>2</sup> /h	64000
Discharging Angle		≥45
Power Type		BEV
Endurance Mileage	km	390
Total Electricity Storage Capacity	kWh	218.54

# Technical Specification



# Base Specification

## Exhauster fan:

- The transmission between the motor and the fan is equipped with an automatic clutch, which can ensure the automatic separation of the motor from the fan when the motor starts and stops without load, simplify the operation, reduce the impact on the motor, and improve the working reliability and service life of the motor.

## Safety:

- In the emergency state, the garbage can be operated by the set manual pump, such as the lifting and lowering of the garbage can, the suction nozzle and the sweeping plate. In special cases, it can directly enter the working cabin of the auxiliary engine for detection and maintenance.
- There are a variety of safety alarm devices: low water level of clean water tank, operation prompt, auxiliary engine water temperature, oil pressure, reversing prompt, hydraulic oil leakage alarm, garbage bin tipping, reset and rear door opening and closing safety alarm.

## Other advantages:

- It has a pneumatic pipe cleaning anti freezing device, which can effectively ensure that the water spray parts will not be damaged due to icing.
- The utility model has a drainage and leak proof device, which can effectively prevent dirt accumulation, prevent dirt falling back to the ground and secondary pollution caused by blocking the garbage suction pipe.

## Body:

- All fasteners are galvanized, and structural parts such as sweeping plate and suction nozzle are treated by electrostatic spraying after pickling and phosphating, with strong adhesion, corrosion resistance and weather resistance.
- The dustbin is made of SUS304 single-layer stainless steel with high structural strength and no corrosion.

### **Control system:**

- It adopts intelligent control system, centralized control of electric and hydraulic, simple operation, and the driver can complete various actions in the cab.

### **Chassis:**

- It adopts pure electric chassis, electric drive fan and hydraulic oil pump, which has the advantages of large loading capacity, low noise and no emission pollution.

### **Power system:**

- The most advanced electric power drive system, power battery system and electrical control system are adopted to meet the energy requirements of road sweeper driving and operation, maximize the energy consumption and balance the load of low-lying power grid.

### **Hydraulic system:**

- The hydraulic system adopts stacked electromagnetic hydraulic valve group, which is highly integrated, arranged orderly, reliable and easy to maintain.

### **Sweeping equipment:**

- The operation mode of combination of suction and sweeping, wet dedusting, electro-hydraulic control and hydraulic tipping unloading is adopted to clean the road surface. The operation mode adopts the "full sweep" operation mode, and the operation mode controlled by left and right sweeps separately is also optional. On this basis, two operation modes of "cleaning mode" and "enhanced mode" are added, which can be operated with one key for the convenience of the driver.
- The structure of "two plate brush in the middle + wide suction nozzle" is adopted to facilitate the adjustment and maintenance of the cleaning device and suction nozzle, and at the same time, the use cost of the brush is saved.
- The sweeping disk has the functions of automatic avoidance protection and automatic reset in case of obstacles. It retracts automatically when encountering obstacles, and resets automatically after passing the obstacles.
- According to different cleaning conditions, the rotating speed of the sweeper can be adjusted to select high, medium and low gears to ensure good cleaning effect under various pollution conditions.