



VRS- 3000 (VOOT ROAD SWEEPING)

VOOT VRS-3000 Adopting battery power, the **VRS-3000** is economic and environment-protected. With a beautiful appearance, it is mainly used for roadside waste classification and transportation. At present, it has been widely used on garbage classification transportation in urban sanitation, rural sanitation, municipal gardens, property cleaning, factories, schools, hospitals and other places. The garbage sweeper has a wide range of applications and strong cleaning power. It has been widely used in urban sanitation, township sanitation, municipal gardens, property cleaning, factories, schools, hospitals and other places. The vehicle is electronically controlled hydraulically. It adopts electric negative pressure three-stage dry and wet separation dust removal and filtration system, inertial cyclone dust removal, fine water mist dust removal, water circulation filter dust removal, maintenance-free stainless steel sintered filter dust removal and electric sweep dust suppression system, which has strong cleaning power and low operation noise.



- ◆ The water tank is made of corrosion-resistant stainless steel, the power system is powered by a lithium-ion battery, and the instrument position is equipped with a battery management system as well as a vehicle status monitoring display device, configuration working mode and dual mode of transition and walking.
- ◆ The cleaning device has automatic collision avoidance protection function and automatic reset function when encountering obstacles.
- ◆ The control switches are centrally installed in the cab, and all electronic control operations can be completed in the cab equipped with heating and cooling air-conditioning.
- ◆ The whole vehicle has good passing performance, strong suction power and good dust suppression effect when transferring the garbage.
- ◆ The whole vehicle is electronically controlled and hydraulically executed. It adopts an electric negative pressure three-stage dry and wet dust separation filter system, inertial cyclone dust removal, water mist dust reduction, water circulation filtration and dust removal, maintenance-free stainless steel sintered filter dust removal and electric sweeping dust suppression system, clean strong force and low overall operating sound.
- ◆ Powered by pure electric, the whole vehicle is economical and environmentally friendly. With a cruising range of 80-100 kilometers, it is in line with the national policy of developing new energy vehicles.
- ◆ The vehicle body is rigid and cold riveted, with the special load asymmetric suspension system, the chassis is safe and stable.
- ◆ It is equipped with 72V, 7.5kW AC asynchronous drive motor and controller, which can be matched with 72V, 400-1200Ah lithium battery capacity, and the continuous working time is 5-10 hours.
- ◆ Tire: 8-layer radial high-load tubeless tire is used, which is wear-proof and has a long service life. This product combines the overall structure of the dedicated chassis, combined sweeping and suction, hydraulic dump system, three-in-one "3D" washing cabinet, 360° all-round high-definition intelligent surveillance camera and other advantages.
- **Transmission System:** Adopting rear axle transmission, the drive motor is a 7.5kw AC asynchronous motor with high reliability, long service life, strong overload capacity, which is easy to use, install and maintain. In addition, it is small in size and wide in function, which is suitable for narrow roads cleaning such as back alleys and property communities. The high-quality motor efficiency and the best cooling method ensure the safe and reliable operation of the entire motor system, which not only satisfies the driving performance of the product, but also achieves greater climbing ability.
- **Drive System:** The chassis is non-load-bearing, with riveted beams as the main body. Riveted beams have high flexural strength and excellent mechanical properties. The ride-on and the frame are connected by elastic elements. The vibration of the frame is transmitted to the body through elastic elements, and most of the vibration is absorbed by the frame. In the event of a crash, the frame absorbs most of the impact and protects the body. The stability and safety of the whole vehicle are better.
- **Steering System:** It consists of steering wheel, steering gear, steering knuckle, steering knuckle arm, tie rod, straight rod, etc. Electric power steering is more flexible and convenient.
- **Braking System:** The braking system adopts hydraulic transmission and is equipped with vacuum servo braking system. Normally the output working pressure is mainly generated by the power servo system. When the power servo system fails, the hydraulic system can still generate a certain braking force through manual driving.



VRS- 3000

- Trash Bin Volume - 3000L
- Sweeping width 2500 mm
- Air Conditioner

TECHNICAL DATA

Sweeping width	M	2.5
length of work	h	4-8
Cleaning speed	Km/h	>5
Rated flow of cleaning water	L/min	23
Maximum cleaning capacity	m ² /h	25000
Maximum suction particle size	mm	50
Discharge angle	°	≥45
Working cycle time of one unloading	s	≤35
Water tank Capacity	L	600
Trash bin volume	L	3000
battery capacity	/	72V 400Ah Lithium battery option
Drive motor model	V/kw	72/7.5
Minimum turning radius (turn in place)	S	5
Minimum ground clearance	mm	≥145
Top speed	Km/h	40
Gradeability	%	Full load 25, no load 30
Load capacity	kg	≤2500
Braking method	/	Hydraulic power hydraulic brake four-wheel drum brake
Body structure	/	Rigid cold riveted body
Front/rear suspension type	/	7 front and rear 8 leaf spring suspensions
High-pressure Flushing Function	/	Yes
Curb Quality	kg	2500
Sweeping width	mm	2500
Air conditioner		optional
Dimensions	mm	4750*1550*2400