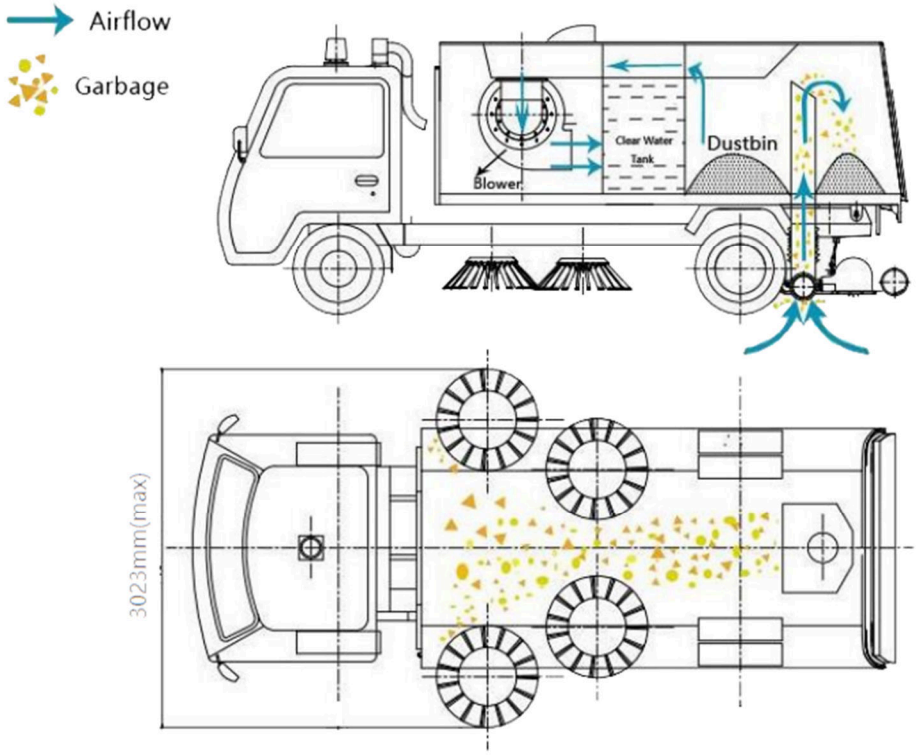
CLEANING SWEEPER TRUCK

Main Parameters

Items		FLM5180TXSDF6Q
GVW	kg	18000
Wheelbase	mm	5300
Payload Weight	kg	4835
Upper Weight	kg	7070
Upper Transportation Dimensions	mm	6120×2550×2570
Max Speed	km/h	89
Selectable Of Chassis Brand		DONGFENG/FAW
Auxiliary Engine Model		QSB5.9-C160-30
Auxiliary Engine Power	kW	119
Legislation Compliance		NRMM Stage III
High Pressure Pump Model		NX-C 75/150R
High Pressure Water Pump pressure	MPa	15
High Pressure Water Pump Flow Rate	L/min	75
Dustbin Effective Volume	m^3	≥5.5
Water Tank Volume	m^3	≥8
Max Sweeping Width	m	3.5
Cleaning Speed	km/h	3~20
Power Of Drying Cylinder	km	≥70(×2)
Drying Width	m	≥3.5

Technical Specification



Base Specification

Body:

- The clean water tank and garbage can are arranged separately to maximize the effective space utilization. The dustbin adopts double oil cylinder self-unloading, and the dustbin is equipped with low pressure and large flow flushing device, which can wash the dustbin quickly.
- The body of the whole vehicle is made of SUS304 stainless steel, with folded rib structure, uniform stress, strong structural performance and beautiful appearance.

Safety:

- It has a variety of safety alarm devices: low water level of clean water tank, high water level of waste water tank, hydraulic oil leakage, operation tips, water temperature of auxiliary engine, oil pressure, reversing tips, etc.
- The left and right spray racks have the function of obstacle avoidance protection and reset.

Cleaning device:

- The working device adopts the original layout form of "two plate sweeps in the middle + two side suction in the middle + wide suction nozzle with double suction in the middle". It has a multi-functional operation mode to realize the cleaning, cleaning, cleaning and vacuuming of the road surface.
- The whole vehicle is equipped with two sets of side spray cleaning systems. In winter, the thermal insulation type side spray cleaning system is started, and in summer, the common side spray cleaning system is switched. Improve the reliability of the whole vehicle and greatly improve the service life of the special operation device.
- High efficiency and energy-saving cleaning technology, adopting high pressure and low flow water system, with cleaning pressure up to 13 MPa and long sustainable operation time.
- Equipped with multi angle shoulder cleaning nozzle, it can adapt to a variety of shoulder heights and effectively remove the dead corner garbage on the shoulder.

Advantages:

- It can be operated all day, i.e. the temperature can be -10 °C to 40 °C for washing and sweeping. It can effectively solve the problem of road freezing and slippery caused by water spray during cleaning operation when the temperature is lower than zero in winter.
- The first guarantee of all-weather: the pipeline insulation technology of the new sanitation vehicle automatically heats up when the ambient temperature is lower than the set value, so as to prevent the pipeline components from freezing when they are transferred, operated or parked in the low temperature environment.
- The second all-weather guarantee: the original nozzle structure is adopted, with wide coverage and strong suction, to ensure that the road garbage and sewage are absorbed within the maximum range within the operation range, so as to make the road clean and dry.
- The third guarantee of all-weather: original drying technology, special drying system of washing and sweeping vehicle to carry out blowing drying and rolling sweeping combined operation on the road after washing and sweeping. With hydraulic lifting and left and right expansion system, it can realize low off road drying and extend the drying range to 3.5m.
- The fourth guarantee of all-weather: one button pneumatic pipe cleaning technology. After the operation, just turn on the pneumatic pipe cleaning switch in the cab, and then the residual water in the waterway system can be drained automatically, effectively ensuring that the components of the water spray device will not be damaged due to the ice cracking.
- Heating and insulation technology of core operation device. Main suction nozzle: the internal design of the partition structure uses the exhaust gas of the auxiliary engine to distribute the heat of the exhaust gas to the whole main suction nozzle system, respectively to heat and heat the suction nozzle, nozzle, and enhance the reliability of winter operation; side suction: make full use of the heat of the cooling cycle system of the auxiliary engine to heat and heat the side suction, which can ensure that the whole suction air system will not freeze under the reasonable operating temperature . High pressure water pump and its core components: the exhaust heat of the auxiliary engine is distributed to the core components of the high pressure water circuit through the carefully designed pipeline for closed heating to ensure the safety of the high pressure water circuit in winter operation.
- Advanced electronic liquid level display system is adopted to monitor the liquid level of water tank in the cab in real time.

Hydraulic system:

- The hydraulic buffer type brush ground distance automatic adjustment technology is provided to keep the contact force between the brush and the ground at a fixed value, and the contact surface between the brush and the ground remains unchanged. After the brush is worn, it can automatically compensate without manual adjustment to ensure that the cleaning efficiency is not affected.
- The middle suction nozzle has the hydraulic floating function, effectively extending the service life of the rubber roller.

Control system:

- CAN bus intelligent control system is adopted to realize centralized control of electricity, liquid and gas. Through the display screen, the driver can complete the operation of various actions in the cab and understand the vehicle operation conditions, operation parameters and fault information.