

WALL CLEANING SPRINKLER



Main Parameters

Items		FLM5180TXQDF6
GVW	kg	18000
Wheelbase	mm	4500
Payload Weight	kg	6305
Upper Weight	kg	5600
Selectable Of Chassis Brand		DONGFENG
High Pressure Water Pump Model		PND4.0/20TMI-CI
High Pressure Water Pump Pressure	MPa	14
High Pressure Water Pump Flow	L/min	15
Sprinkler Pump Model		65QZBG-50/110N-FDX2-40J
Sprinkler Pump Flow	m³/h	50
Sprinkler Pump Head	m	110
Washing Tank Volume	m³	1.2
Water Tank Volume	m³	6.8
Cleaning Height Inside	m	0.5~4.5
Cleaning Height Outside	m	0.75~4.1
Cleaning Operation Speed	km/h	1~5

Base specification

Cleaning function:

- It has three independent water systems: roll sweep water spray system, low-pressure water spray system and high-pressure car washing gun system. It adopts hydraulic motor to drive high-pressure water pump and diaphragm pump, and chassis engine to drive low-pressure water pump.
- The utility model has the functions of wall tunnel cleaning and road surface sprinkling and washing. The two functions can be used separately, and can be used together at the same time. One vehicle can be used for multiple purposes.
- The working arm is a five section arm structure design, which adopts the bionics principle, so that the working device can quickly clean the inside and outside of the sound insulation screen.

Drive system:

- The power system of the whole vehicle outputs the power through the power take-off at the side of the chassis gearbox to drive the low-pressure water pump and gear pump. The emission of the whole vehicle reaches the national VI emission standard.

Cleaning device:

- The vehicle is equipped with left and right column side impact device, and the nozzle can be 360° left and right, 360° up and down.
- The roller brush holder has the function of fixed distance cleaning. The distance between the roller brush holder and the wall is sensed by ultrasonic, and fed back to the upper mounting control system. The distance between the roller brush holder and the wall is automatically adjusted by the hydraulic cylinder to reduce the working intensity of the driver.
- Equipped with a hand-held high-pressure water gun, it can wash vehicles, roads and walls.

Control system:

- The central operating room with independent operation, located between the cleaning brush arm and chassis cab, can remove the obstacles in front of the cleaning brush, avoid the obstacles in time, and avoid the injury to the operator when the vehicle is in rear end. The operating room is equipped with air conditioning, comfortable and safe. Meanwhile, the internal operation box is equipped with a platform to reduce the labor intensity of the operator.
- The whole vehicle is controlled by pneumatic system. All air valves are installed in the air control box, which can effectively isolate water and dust and extend the service life of air valves. The control switch is located in the cab, and all road operation functions can be operated in the cab.

Safety:

- The water tank is equipped with a low water level sensor alarm system, which can automatically alarm when the water level is low, so as to prevent the water pump from being damaged due to water shortage.

Body:

- The switch control valve and sprinkler system pipes are made of corrosion-resistant materials, and the tank body is treated with special process of spraying alloy paint; SUS304 stainless steel tank body can be selected.

Optional device:

- Optional stainless steel tank.

Other function:

- The whole vehicle is equipped with a large speed ratio transmission device, which has two speed ratios, respectively used in transition and operation modes. In the operation mode, the driving speed of the whole vehicle is 1~5 km/h, which can fully wash the wall, achieve a clean cleaning effect and improve the operation efficiency; in the transition mode, the maximum driving speed of the whole vehicle can reach 89 km/h, which can quickly realize the transition operation of the vehicle.
- Equipped with pneumatic pipe anti freezing device to prevent the damage of water spray system components caused by residual water and ice in winter.
- The driver's cab is equipped with a laser positioning system, which is convenient for the driver to drive the vehicle and ensures the operation effect and driving safety.