

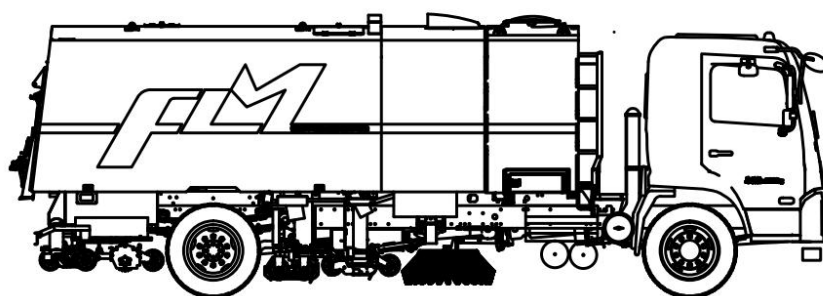
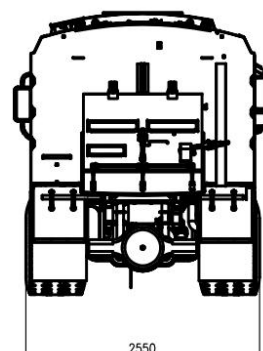
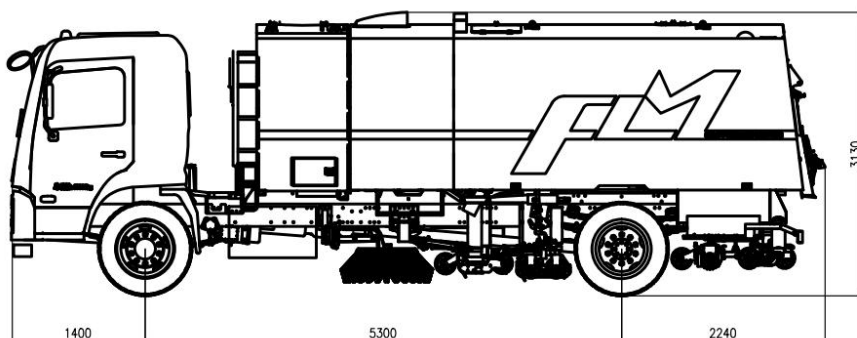
# FLM5180TXSDF6Q Street Sweeping & Washing Truck



## 1. Main Specifications:

Items	Specifications
Chassis Model	DFH1180EX8 (China VI)
Chassis Manufacturer	Dongfeng
Chassis Engine Model	D6.7NS6B230
Chassis Engine Power (kw)	166
Auxiliary Engine Model	QSB5.9-C160-30
Auxiliary Engine Power (kw)	119
GVW (kg)	18000
Curb Weight (kg)	12970
Payload (kg)	4835
Top Speed (km/h)	89
Wheelbase (mm)	5300
Passenger	3
Front/Rear Overhang (mm)	1400/2240
Approach/Departure Angle (°)	17/11
Dimensions (L*W*H) (mm)	8940×2550×3130
High-pressure Water Pump Model	NX-C 75/150R (Italy)
High-pressure Water Pump pressure (Mpa)	15
High-pressure Water Pump Flow	75

(l/min)	
Sweeping Width (m)	3.5
Working Speed (km/h)	3 ~ 20
Clean Water Tank Volume (m <sup>3</sup> )	≥8
Garbage Tank Volume (m <sup>3</sup> )	≥7
Air Conditioning	Warm/Cold
Drying Devices Power (Kw)	≥70 (×2 Units)
Drying Width (m)	≥3.5



## 2. Main Characters

1. All-weather operation: cleaning and sweeping operations can be performed at temperatures ranging from -10°C to 40°C. Effectively solve the problem of ice and slippery road surface caused by water spraying during washing and

sweeping operations in winter when the temperature is below zero. (National invention patent technology CN201510992200.4 a kind of all-weather sweeping & washing truck)

2. The working device adopts the original arrangement form of "center-mounted two-disc sweeper + center-mounted two-side suction + center-mounted double-suction wide suction nozzle" and has a multi-functional operation mode to realize road cleaning, cleaning, washing, and dusting.

3. The first guarantee all-weather: the new sanitation vehicle pipeline insulation technology, which automatically heats when the ambient temperature is lower than the set value, to prevent the pipeline components from freezing and cracking during transfer, operation, or parking in a low-temperature environment. (National patent technology CN201521099843.8 A kind of pipe insulation device of sanitation vehicle)

4. All-weather second guarantee: The original nozzle structure is adopted, with wide coverage and strong suction, ensuring that the road surface garbage and sewage within the working area are absorbed within the maximum range, making the road surface clean and dry. (National patent technology CN201820402580.0, a suction nozzle for washing and sweeping vehicles that can be operated in winter and heated by engine exhaust)

5. All-weather third guarantee: original drying technology, a special drying system for washing and sweeping trucks combine blowing, drying, and rolling

sweeping operations on the road surface after washing and sweeping. With hydraulic lifting and a left-right telescopic system, it can achieve low-ground road drying and extend the drying range to 3.5m. (National patent technology CN201720909137.8 A pavement sweeping and drying device)

6. The fourth guarantee all-weather: One-button pneumatic cleaning technology, after the operation, you only need to turn on the pneumatic cleaning switch in the cab to automatically drain the residual water in the water system, effectively ensuring the parts of the water spray device No structural damage caused by icing or cracking. (National invention patent technology CN201510099066.5 realizes the hydraulic system of sanitation vehicle sweeping disc/nozzle floating)

7. Heating and heat preservation technology of core operating device. Main suction nozzle: internally designed compartment structure, using auxiliary engine exhaust gas to distribute exhaust heat to the entire main suction nozzle system, heating and insulating the suction nozzle, nozzle, and nozzle respectively to strengthen the reliability of winter operation; side suction: make full use of The heat of the auxiliary engine cooling cycle system heats and keeps the side suction, which can ensure that the entire suction air system does not freeze at a reasonable operating temperature. High-pressure water pump and its core components: Using the exhaust gas of the auxiliary engine, the exhaust heat is distributed to the core components of the high-pressure waterway through a well-designed pipeline for closed heating, ensuring the safety of the

high-pressure waterway during winter operations. (National patent technology)

8. The truck is equipped with 2 sets of side spray cleaning systems. The heat preservation type side spray cleaning system is turned on in winter, and the normal side spray cleaning system is switched in summer. Improve the reliability of the whole vehicle and greatly increase the life of the dedicated operating device.

9. High-efficiency and energy-saving cleaning technology, using high-pressure low-flow waterway system, cleaning pressure can reach 13Mpa, and the sustainable operation time is greatly extended.

10. The advanced electronic liquid level display system can be used to monitor the liquid level of the water tank in the cab in real-time.

11. With hydraulic buffer type sweeping automatic adjustment technology, the contact force of the sweeping brush and the ground is maintained at a fixed value, the contact surface of the sweeping brush and the ground remains unchanged, and the sweeping brush can be automatically compensated after wear, without manual labor. Adjust to ensure that the cleaning efficiency is not affected. (National invention patent technology CN201510099066.5 realizes the hydraulic system of sanitation vehicle sweeping disc/nozzle floating)

12. The clean water tank and garbage can are arranged separately to maximize effective space utilization. The garbage tank adopts double-cylinder self-unloading and high-pressure nozzles in the tank, which can quickly flush the



whole tank.

13. The shape of the body is made of SUS304 stainless steel, with a folded rib structure, the body is uniformly stressed, strong in structure, and beautiful in appearance.

14. Equipped with multi-angle curbstone cleaning nozzles, which can adapt to a variety of heights of curbstones and effectively remove the dirty spots.

15. Equipped with a variety of safety alarm devices: low water level in the clean water tank, high water level in the sewage trash can, hydraulic oil leakage, operation prompts, auxiliary engine water temperature, oil pressure, reversing prompts, etc.

16. Adopt CAN bus intelligent control system to realize intelligent centralized control of electricity, liquid, and gas. The driver can complete various actions in the cab through the display screen and understand the vehicle operating conditions, operating parameters, and fault information. (National patent technology CN201420527725.1 Electronic control device for sweeping and washing truck)

17. The left and right sweep plate and left and right-side suction have obstacle avoidance protection and reset functions. (National patent technology CN201620503262.4 A multifunctional sweeping device for road sweeper)

18. The center suction nozzle has a hydraulic floating function, which effectively extends the life of the rubber roller.



The banner features the Fulongma logo and name in large red letters at the top. Below the text is a row of four white trucks: a small truck, a street sweeper, a garbage truck, and a large industrial truck with a large cylindrical tank. The background shows a city skyline. At the bottom left, there are three QR codes. At the bottom right, there is a red box containing contact information.

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