

FLM5180TXSDF6SD Street Sweeping & Washing Truck



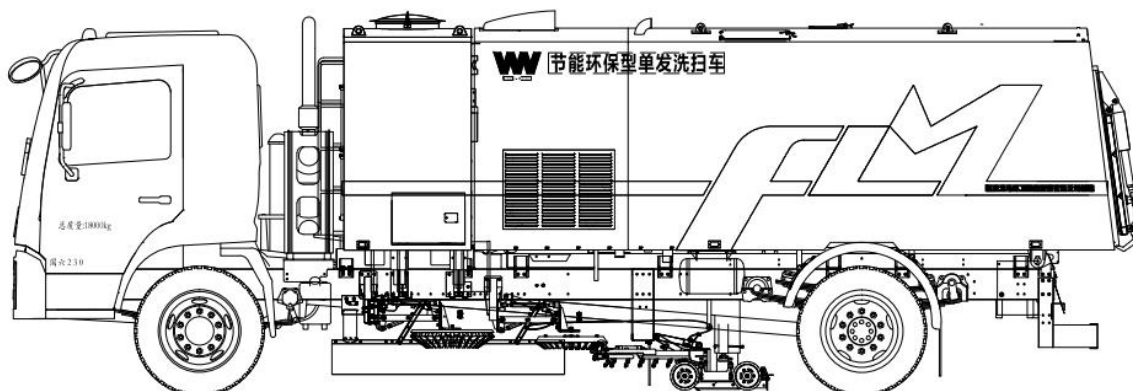
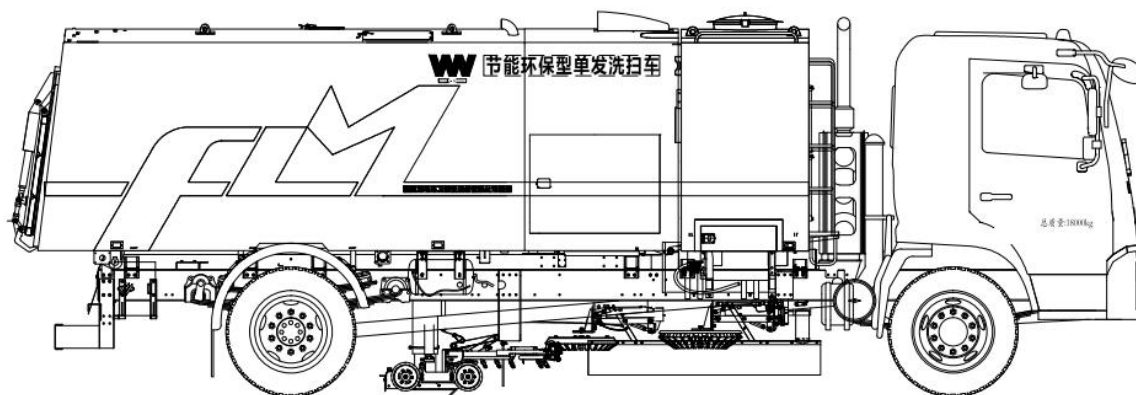
1. Main Specifications:

Items		Specifications		
Chassis Model		DFH1180EX10		
Chassis Manufacturer		Dongfeng		
Chassis Engine Model		D6.7NS6B260		
Chassis Engine Power (kw)		191		
Chassis	Motor	TM5025S4/JJE		
Model/Manufacturer				
Chassis Motor Rated Torque (Nm)		1000		
Driving	Motor	TM5019C1/JJE		
Model/Manufacturer				
Driving Motor Rated Torque (Nm)		600		
GVW (kg)		18000		
Configurations		Type A: Standard	Type B: High-pressure Dredging Device	Type C: Front Guardrail Cleaning Device
Curb weight (kg)		11700		11950
Curb Weight (kg)		6105		5855

Payload (kg)	89		
Top Speed (km/h)	5300		
Wheelbase (mm)	3		
Approach/Departure Angle (°)	13/13		12/13
Front/Rear Overhang (mm)	1430/2300	1540/2300	2355/2300
Dimensions (L*W*H) (mm)	9030×2520× 3070	9140×2520× 3070	9955×2520×3070
High-pressure Water Pump Model	PT40 (PINFL)		
High-pressure Water Pump pressure (Mpa)	10		
High-pressure Water Pump Flow (l/min)	142		
Sweeping Width (m)	3.5		
Working Speed (km/h)	4 ~ 20		
Clean Water Tank Volume (m ³)	≥10		
Garbage Tank Volume (m ³)	≥7		
Sprinkling Pump Model	65QZB-50/110N		
Sprinkling Pump Manufacturer	WLOONG		
Sprinkling Pump Head (m)	110		
Sprinkling Pump Flow (m ³ /h)	50		

Air Conditioning

Warm/Cold



2. Main Characters:

1. Efficient and fuel-saving: The comprehensive fuel consumption of hybrid electric washing and sweeping truck is reduced by more than 20% compared with conventional trucks;
2. Power decoupling (single-engine special vehicle): through the oil-electric hybrid power system, the top-mounted drive power, and the chassis driving power are relatively independent (that is, the top-mounted work and chassis driving are not restricted by each other), which realizes the power decoupling of the single-engine washing and sweeping vehicle. Breakthrough the industry

problem that the operating speed of the fan and water pump of the single-engine washing and sweeping car does not change with the change of the chassis engine speed, ensuring stable operating conditions under various chassis driving conditions; (national patent technology)

3. Convenient maintenance: Compared with the conventional auxiliary generator, the top-mounted drive motor is easy to maintain, with low maintenance costs and low maintenance costs;

4. Convenient operation: support one-button fixed speed cruise fixed operation mode, convenient operation, and more stable operation status;

5. Superior performance: using conventional power four-disc sweeping high-quality washing and sweeping vehicle top-mounted working device, the cleaning rate of washing and sweeping operations is as high as 97%;

6. System stability: The power output control system adopts the BOSCH control system, which is stable and reliable;

7. Safe and reliable: The oil-electric hybrid power system has no high voltage and normal electricity, and is safer than pure electric systems. It adopts the American Eaton technology safety protection structure. All power components are waterproof and dustproof to IP67 and above, and the power system is safe and reliable;

8. Intelligent control: The bodywork control system adopts a CAN bus intelligent control system, an imported controller, and a 7-inch LCD in the cab

realizes one-key operation of various operating conditions, while the real-time display of various operating parameters, intelligent centralized control of electricity, liquid, and gas, Realize the optimization of operating parameters; (national patent technology)

9. Green and environmental protection: Compared with the conventional power washing and sweeping vehicles, the hybrid electric washing and sweeping vehicles can effectively reduce the energy consumption and emission pollution of the whole vehicle, and it is green and environmentally friendly;

10. The working device adopts the arrangement form of "center-mounted four-pan sweep + center-mounted V-shaped water sprinkler + center-mounted double-suction narrow nozzle structure", and has a variety of operation modes to realize road cleaning, cleaning, washing, and dusting.

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 it is worn without manual labor. Adjust to ensure that the cleaning efficiency is not affected. (National patent technology)

12. The clean water tank and garbage tank are arranged separately to maximize effective space utilization. The garbage tank is self-unloading with double oil cylinders, and a low-pressure and large-flow flushing device is also

installed to quickly flush the garbage tank.

14. Optional multi-angle shoulder cleaning nozzles can be adapted to a variety of shoulder heights and effectively remove the dead ends of the shoulders.

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

16. The left and right sprinklers have obstacle avoidance protection and reset functions. (National patent technology)

17. The shape of the body of the whole vehicle adopts a large side surface shape, arc transition, the body is uniformly stressed, and the structural performance is strong and beautiful.