

## Powerful Truck Mounted Sweeping Machine For Large Scale Cleaning

Our Product Introduction

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### Basic Information

- Place of Origin: Hubei
- Brand Name: Dongfeng
- Certification: CCC
- Minimum Order Quantity: 1
- Price: 32700\$
- Packaging Details: nude with waxing
- Delivery Time: 30-35 working days
- Payment Terms: L/C, T/T, Western Union, D/P, D/A
- Supply Ability: 50 units per month



### Product Specification

- Name: Road Sweeper
- Water Tank Capacity: 3000 Liters
- Braking System: Air Brake
- Steering Type: Power Steering
- Transmission Type: Manuel
- Cabin Type: Single
- Max Speed: 100 Km/h
- Gross Vehicle Weight: 7360 Kg
- Engine Power: 120 Hp
- Model: YC4FA120-33
- Engine Type: Diesel
- Hopper Capacity: 2500 Liters
- Clean Width: 2500-3000 Mm
- Sweeping Width: 3.5 Meters
- Max Clean Capacity: 30000 M2/h



### More Images



Our Product Introduction

### Product Description

#### Powerful Sweeper Truck with High Pressure Washing for Large-scale Cleaning

##### High pressure washing and sweeping truck.

##### 1. Working principle of washing and sweeping truck

The cleaning and sweeping vehicle combines the functions of a road sweeper and a high-pressure cleaning vehicle. Generally, it comes standard with two center mounted brushes (equipped with a V-shaped high-pressure water spray rod in front of the brushes) and a center mounted suction nozzle (with a built-in high-pressure water spray rod). The washing and sweeping vehicle sprays high-pressure water from the high-pressure water spray rod during operation, which can flush stubborn attachments on the road surface. The water and garbage are sucked into the garbage bin together with the suction nozzle. Due to the high water consumption of the washing and sweeping vehicles during the operation, the water tank is relatively large. Therefore, the washing and sweeping vehicles are all modified from chassis with a wheelbase of 3800 mm or more. The washing and sweeping vehicle is equipped with a 17 meter high-pressure water flushing reel and a high-pressure water gun, making it more convenient and efficient to clean roads, sidewalks, and small advertisements.

##### 2. Applicable environment for washing and sweeping truck

The cleaning truck has good cleaning effect and convenient maintenance, and is suitable for mechanized cleaning, sweeping, spray dust reduction and other cleaning operations of urban roads, highways, squares, airports, docks, tunnels, bridges, separation walls, curbs and curb facades.

##### Main Technical specification

ITEM	Major specifications
Model	Dongfeng

Emission standard		Eu 3	
Engine			
Main	Model		YC4FA120-30
	Power (kw)		88 kw
	Horsepower (ps)		120 hp
	displacement(ml)		2982 cc
Second	model		JE493ZG3
	Power (kw)		63
	Horsepower (ps)		87
	displacement(ml)		1400
Fuel type		No. 0 light diesel (shared with chassis diesel tank)	
Truck major specifications			
Dimension mm		6350*2300*2500	
Wheelbase (mm)		3308	
Tire		7.00R16	
Tire number		7	
Trace	Front (mm)		1525,1519
	Rear (mm)		1498,1516
passenger		2	
Front and rear suspension(mm)		1055/1987	
Approach angle		27°	
Departure angle		11°	
Ground clearance (mm)		1430	
Loading weight (kg)		1430	
Curb weight (kg)		5800	
Maximum total mass (kg)		7360	
Main Specifications			
Clean water tank ( m³ )		2.5	
Dust tank ( m³ )		3(stainless steel)	
Clean width (mm)		2500-3000	
Clean speed km/h)		3-15	
Working speed (km/h)		15-20	
Max clean capacity (m²/h)		30000	
Suction			
Suction capacity	Density (g/cm3)		2.0
	Mass (kg)		1.5
	Suction particle size (mm)		≥100
Dumping angle of garbage bin		≥30°	
Cleaning efficiency		≥96%	
Operation noise (db)		< 88	
Driving specifications			
Driving Type		4×2	
Suspension type		Leaf spring	
Number of steel plate springs (front/rear)		8/10+7	
Number of steel plate springs (front/rear)		Dual circuit pneumatic braking, drum type	
Braking distance (full load 30km/h)		≤10m	
Maximum speed (km/h)		110	
Minimum turning radius (m)		8	
Maximum Climbing Slope		≥30	
Clutch system		Single piece dry diaphragm spring clutch, hydraulically operated	
Transmission system		Mechanical 5-speed transmission with synchronizer, manual	
Engine fuel consumption	Drive (L/100km)	Working (L/h)	Working (L/10000m²)
	≤14	≤8	≤3
Dust system			
water discharge pattern		Low pressure mist	
Main component composition		Imported high-pressure pumps, water filters, pipelines, stainless steel spray racks, high-pressure nozzles, etc	
high pressure water pump		GTM	
Install place	Clean	Left and right front scanning discs	
	suction	Inside the suction cup and air inlet	
Control		Electronic control, one click operation	
Hydraulic system			
type		Open, electrically controlled centralized operation	
Main components		Gear pumps, cycloidal motors, hydraulic cylinders, solenoid valves, integrated blocks, high-pressure pumps, etc	
orbit motor		Lipton Motor/Lipwo Motor	
Gear oil pump		Shiyan Changshun	
Hydraulic cylinder		Hepris	
Hydraulic cylinder seal		Dingji	
Hydraulic oil pipe		Dahang	
Electromagnetic valve group		Hepris	
Shockproof pressure gauge		Chengdu Tianwei	
Return oil filter		Sofima	
System overflow pressure	Mpa	10-12	
	L	≥50	
Electrical system			
system composition		It is composed of chassis vehicle circuit, auxiliary engine electrical part, and dedicated working device operation control circuit.	
Chassis vehicle system voltage (V)		24	
Working device system voltage (V))		12	
Composition of electric control box panel		Auxiliary engine tachometer, auxiliary engine water temperature gauge, oil temperature alarm device, various operation control switches	

Control switch		Shanghai Schneider
Programmable Logic Controller		Hundred Zhaofu
Circuit breaker		Hagrid
Battery model		12V-70Ah (2)
<b>Fan system</b>		
type		Maintenance-free centrifugal fan 6.0
Rated operating speed	r/min	2000
Drive system		Auxiliary engine, clutch, toothed high-temperature resistant A-belt transmission (4 pieces)
Fan belt		Zhejiang
Automatic clutch		Centrifugal, imported material
Air volume (m <sup>3</sup> /h)		5000 ~ 8000
<b>Cleaning system</b>		
type		Between the front and rear axles of the chassis, there are two symmetrical positions on both sides of the frame, each with a vertical scanning plate that can be lifted or extended. The scanning plate rotates and is driven by a hydraulic motor with adjustable speed.
Main component composition		Scavenger bracket, sweeping disc, oil cylinder, oil pipe, connecting rod, adjusting rod, hydraulic motor, etc
Brush spreading diameter	mm	φ800-900
Speed of the scanning disc motor	r/min	140
Number of Scans		2
Number of brushes per scan disk		22
Adjusting the inclination angle of the scanning disc	Sweeping plate	Tilt forward 5 °~15 ° Tilt outward 5 °~10 °
<b>Suction system</b>		
Type		The suction nozzle is suspended between the rear wheels of the chassis vehicle, consisting of a suction nozzle, a roller, and a suction pipe. The suction nozzle body can be moved with the oil cylinder to control the lifting of the suction nozzle. The suction nozzle is equipped with a long spray rod with a high-pressure nozzle (8 nozzles), and the suction nozzle body follows the road surface. Hydraulic driven electrical automatic control suction nozzle lifting, spring floating suspension.
Straw diameter	mm	φ180
Straw brand		NORRES
Traveling wheel bearing		SKF
Wear resistant outer ring of walking wheel		Stellana
Working state: rigid part of suction nozzle edge		5 8
Suction nozzle and suction pipe wind speed (m/s)		50 65
Negative pressure of suction nozzle (mmH <sub>2</sub> O)		380
<b>Other configurations</b>		
Alarm system (optional)		Reverse voice alarm system
Secondary operating system		The rear electrified control operating system controls the lifting and lowering of the trunk and the opening and closing of the rear door, avoiding safety accidents caused by the user's inability to observe the rear situation while operating in the cab..
Manual pump emergency lifting system		If the auxiliary engine malfunctions causing the hydraulic system to become unusable, and the brushes, suction cups, and trunk cannot be lifted or lowered, a manual pump emergency lifting system can be used for operation.

High pressure road sweeper truck picture



High pressure road sweeper truck function display



High pressure road sweeper truck bulk order





High pressure road sweeper truck loading



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