

Versatile Diesel Engine Street Sweeper Vehicle With High Pressure Washing

Our Product Introduction

for more products please visit us on hbitruck.com

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



Product Description

Powerful and Versatile Road Sweeper Truck with High Pressure Washing

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

Our Product

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
Hydraulic oil tank capacity	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)
Fan system		
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 ³ /h)		5000 ~ 8000
Cleaning system		
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 °
Suction system		
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 ₂ O)		380

Other configurations	
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



ITRUCK

Hubei iTruck Import and Export Trading Co., Ltd

☎ 0086 19947597881

✉ alex@hbitruck.com

🌐 hbitruck.com

ROOM B1084 FLOOR 9TH-14TH, BUILDING A, BAOYE CENTER, NO. 31ST, JIANSHE FIRST ROAD,
QINGSHAN DISTRICT, WUHAN