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Truck-mounted Maintenance Product



XCMG ROAD MACHINERY BUSINESS DEPARTMENT

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Product Overview

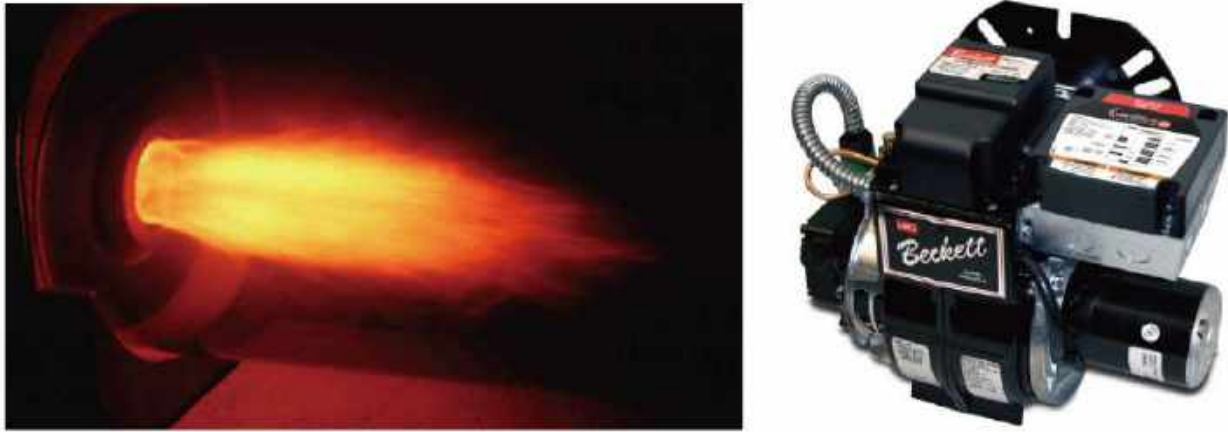
Intelligent asphalt distributor truck is an automation product specialized in spreading emulsified asphalt, diluted asphalt, hot asphalt, and modified asphalt. This product is independently developed by XCMG, using controller controlled spreading process for precise spreading amount during speed change. Its application covers construction and maintenance projects of highway, all grades of roads and municipal roads, suitable distributing construction of prime coat, bonding layer, upper and lower sealing layers of different grades of road surface. Thanks to its advanced technology and reliable quality it gains high recognition of users.

INTELLIGENT ASPHALT DISTRIBUTOR TRUCK





1 Safe And Reliable Heating System



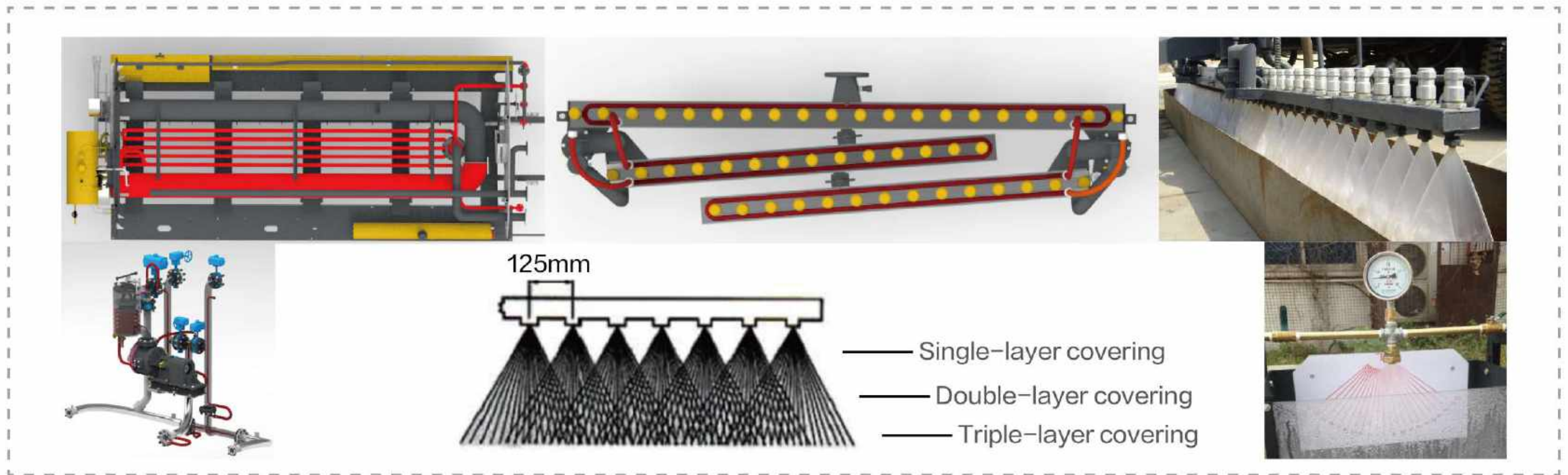
- ▶ High heating efficiency with the optional American Beckett diesel burner;
- ▶ 24V low voltage can be connected to the chassis battery directly, safe, and reliable;
- ▶ Long service life, high reliability, and efficiency;
- ▶ Intelligent temperature control system realizes automatic heating and heat preservation;
- ▶ Liquid level monitoring technology prevents dry burning of burner and ensures personnel and equipment safety.

2 Comfortable Operating Performance



- ▶ SINOTRUK chassis, safe and reliable, comfortable operation;
- ▶ Automatic and manual operating systems, convenient and reliable;
- ▶ The cabin is installed with PTO (remote electronic throttle), which can stabilize the engine speed conveniently;
- ▶ With air conditioner and ABS system.

3 Ultra-high Performance Asphalt Spreading System



- ▶ Heat-conducting oil system can heat the tank, pipeline and spraying device throughout the whole process.
- ▶ The burner works automatically according to the set temperature of asphalt and heat-conducting oil;
- ▶ The optimized nozzle and reasonable structure ensure the triple overlapping of asphalt spreading, the spreading accuracy can reach up to 0.07kg/m^3 ;

- ▶ Manual spreading gun is optional for local asphalt spreading to corners and special positions
- ▶ Spreading width can be freely adjusted



TABLE OF TECHNICAL PARAMETERS



TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameter						
	Model	-	XLS305	XLS403	XLS603	XLS803	XLS80A	XLS803H	XLS1203
Working Performance Parameter	Max. working width	m	3.5	4	4.5	6	6	6	6
	Spreading quantity	kg/m ²	0.2-3.0	0.2-3.0	0.2-3.0	0.2-3.0	0.2-3.0	0.2-3.0	0.2-3.0
	Accuracy	kg/m ²	±0.07	±0.07	±0.07	±0.07	±0.07	±0.07	±0.07
	Volume of asphalt tank	m ³	2.5	4	6	8	8	8	12
	Working speed	km/h	5-15	3-15	3-15	3-15	3-15	3-15	3-15
Chassis Performance Parameter	Chassis model	/	EQ1042NJ20D3	C69-941J	ZZ1107G421CD1	ZZ1186M501GC1	ZZ1186M501GC1	ZZ1186M501GC1	ZZ1257N4647B1
	Driving position	/	Left-hand	Left-hand	Left-hand	Left-hand	Right-hand	Left-hand	Left-hand
	Engine type	-	CY4100-E3F	YC4FA120-33	ISF3.8s3168	MC07.28-30	MC07.28-30	MC07.28-30	WD615.69
	Engine power	kW/(r/min)	73/3200	88/3200	125/2600	206/2300	206/2300	206/2300	247/2200
	Driving mode	-	4x2	4x2	4x2	4x2	4x2	4x2	6x4
	Maximum drive speed	km/h	95	95	95	95	95	95	84
	Diesel tank capacity	L	50	125	120	300	300	300	400
	Curb weight	kg	3650	6400	7900	12800	12800	12800	17700
	Total weight	kg	4495	9400	9990	18000	18000	18000	25000
	PTO mode	/	Transmission box	Transmission box	Transmission box	Engine	Engine	Engine	Engine
	PTO output torque	N.m	250	450	450	600	600	600	650
Dimensions	Overall dimensions	mm	5550×2050×2160	7010×2100×2515	8050×2350×2900	9350×2550×3050	9350×2550×3050	9350×2550×3150	10330×2500×3220
	Approach angle/ Departure angle	°	27/10	21/9.8	18/10	16/11.3	16/11.3	16/11.3	16/11

Product Overview

Classic asphalt distributor truck is a kind of machinery for professionally spreading emulsified asphalt, diluted asphalt, which is mainly used for construction and maintenance projects of highway, all grades of roads and municipal roads, suitable for asphalt distributing construction of prime coat, bonding layer, fog sealing of different grades of road surface.

CLASSIC ASPHALT DISTRIBUTOR TRUCK





1 Safe And Reliable Heating System



- ▶ High heating efficiency with the American Beckett diesel burner.
- ▶ 24V low voltage can be connected to the chassis battery directly, safe, and reliable;
- ▶ Long lifetime, high reliability, and high efficiency.

2 Comfortable Operating Performance

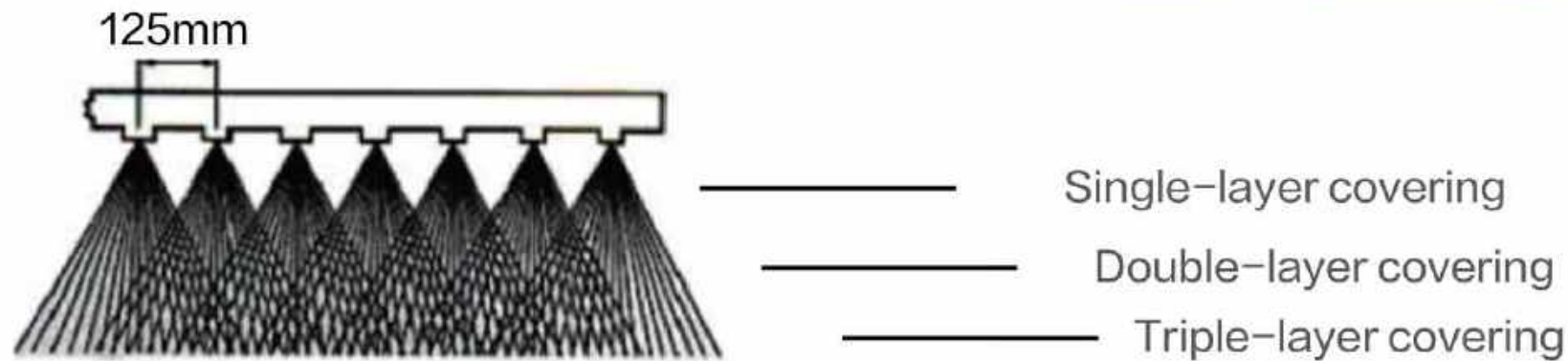
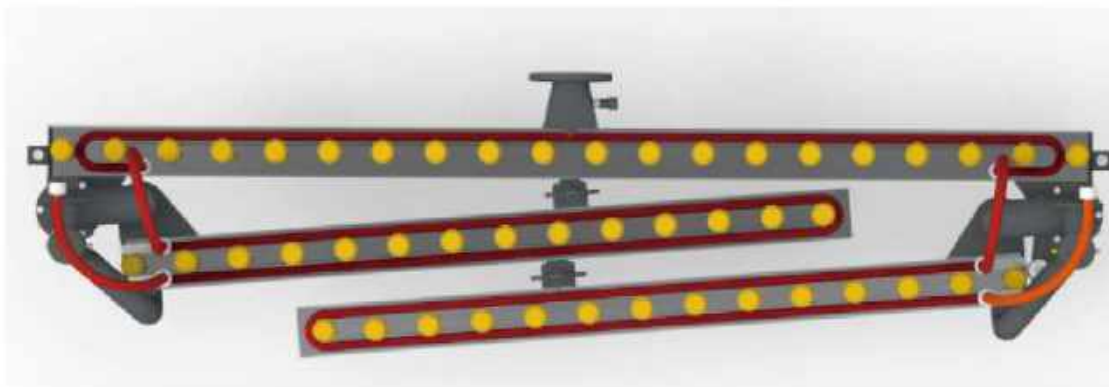


- ▶ SINOTRUK or Dongfeng chassis, safe and reliable, comfortable operation;
- ▶ Manual operation system, high reliability;
- ▶ The cabin is installed with PTO (remote electronic throttle), which can stabilize the engine speed and operate conveniently;
- ▶ With air conditioner and ABS system.

3 Convenient Repair And Service

- ▶ Chassis engine PTO is adopted to supply power for working devices, reliable performance, and convenient maintenance available;
- ▶ Manual butterfly valve and manual nozzles, low failure rate.
- ▶ Leakage-free asphalt pipeline.
- ▶ With self-priming external discharge pipeline, convenient for asphalt transfer.

4 High-performance Asphalt Spraying System



- ▶ Manual spreading gun is optional for local asphalt spreading to corners and special positions;
- ▶ Manually controlled nozzles allow adjustable spreading widths;
- ▶ Optimized nozzles and reasonable structure ensuring the three overlapping of asphalt.

5 Powerful Power System

- ▶ SINOTRUK or Dongfeng chassis, powerful, safe, and reliable.
- ▶ Higher efficiency with high viscosity asphalt pump instantaneous flow special pipeline.



TABLE OF TECHNICAL PARAMETERS



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	Item	Unit	Parameter						
	Model	-	XLS303P	XLS403P	XLS503P	XLS603P	XLS803P	XLS1003P	XLS1203P
Working Performance Parameter	Max. working width	m	3.5	5.5	5.5	5.5	5.5	5.5	5.5
	Spreading quantity	kg/m ²	0.2-3.0	0.2-3.0	0.2-3.0	0.2-3.0	0.2-3.0	0.2-3.0	0.2-3.0
	Accuracy	kg/m ²	±0.07	±0.07	±0.07	±0.07	±0.07	±0.07	±0.07
	Volume of asphalt tank	m ³	3	4	5	6	8	10	12
	Working speed	km/h	5-15	5-15	5-15	5-15	5-15	5-15	5-15
Chassis Performance Parameter	Chassis model	/	EQ1042NJ20D3	C69-941J	ZZ1107G421CD1	ZZ1107G421CD1	ZZ1168K4210L1B	ZZ1168K4210L1B	ZZ1257N4647B1
	Driving position	/	Left-hand	Left-hand	Left-hand	Left-hand	Left-hand	Left-hand	Left-hand
	Engine type	-	CY4100-E3F	YC4FA120-33	ISF3.8S3168	ISF3.8S3168	YC6J220-33	YC6J220-33	WD615.69
	Engine power	kW/(r/min)	73/3200	88/3200	125/2600	125/2600	162/2500	162/2500	247/2200
	Driving mode	-	4×2	4×2	4×2	4×2	4×2	4×2	6×4
	Maximum drive speed	km/h	95	95	95	95	90	90	84
	Diesel tank capacity	L	80	125	120	120	300	300	400
	Curb weight	kg	3600	6400	7900	7900	12800	12800	17700
	Total weight	kg	4495	9400	9990	9990	15000	15000	25000
	PTO mode	/	Transmission box				Engine	Engine	Engine
	PTO output torque	N.m	250	450	450	450	600	600	650
Dimensions	Overall dimensions	mm	5460×2040×2305	7010×2100×2515	8050×2350×2900	8050×2350×2900	9350×2550×3050	9550×2550×3050	10330×2500×3220
	Approach angle/ Departure angle	°	27.7/10	21/10	18/10	16/11	16/11	16/11	16/11

Product Overview

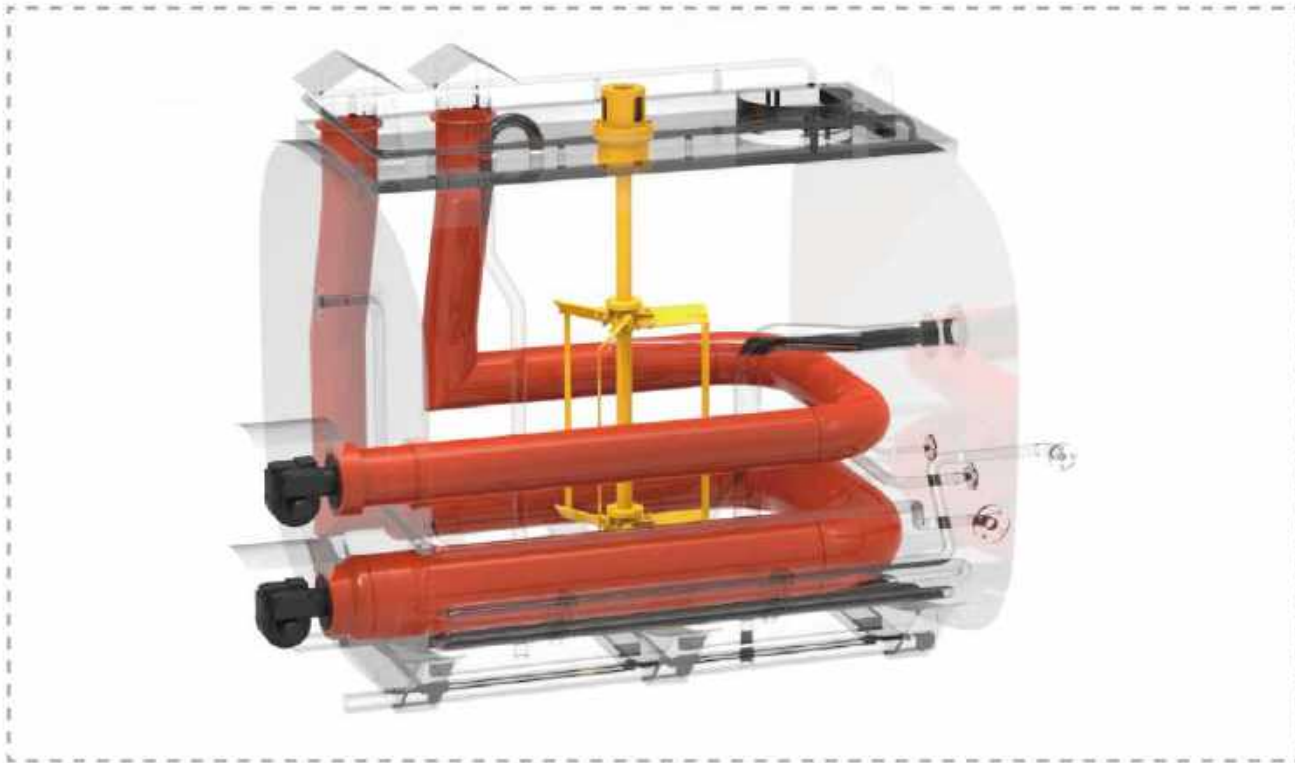
XTF1003 Asphalt Synchronous Chip Sealer Truck can realize the synchronous spreading of asphalt and gravel, improve the quality of pavement seal coat; It can be used to spread rubber asphalt, matrix asphalt, modified asphalt and emulsified asphalt; It is applicable to the construction of lower and upper seal coat, wearing course construction for new and old road surface, layer spread method of asphalt pavement, the separate spreading of asphalt and gravel in special case, etc.; It can be used for the interlayer treatment and medium maintenance construction of high-grade highway and the construction of rural roads with less traffic. Remaining industry leader due to extraordinary spreading precision and state-of-the-art intelligent controls.

XTF1003 ASPHALT SYNCHRONOUS CHIP SEALER TRUCK





1 Safe And Reliable Heating System



- ▶ High heating efficiency with the American Beckett diesel burner.
- ▶ 24V low voltage can be connected to the chassis battery directly, safe, and reliable;
- ▶ Long lifetime, high reliability, and high efficiency;
- ▶ Built-in chimney, making full use of flue gas heat and higher heating efficiency.

2 Comfortable Operating Performance

- ▶ SINOTRUK chassis, powerful and comfortable driving;
- ▶ Hydraulic folding asphalt spreading beam, safe and convenient;
- ▶ With air conditioner and ABS system.

3 Super High Performance Spreading System

- ▶ Internal lifting silo, low height, convenient feeding, strong adaptability for culvert and under bridge construction;
- ▶ Split plate type gravel spreader, suitable for different types of stone, spread evenly;
- ▶ Dual diesel burner asphalt tank, fast heating speed, good insulation performance; Paddle mixer, mix well;

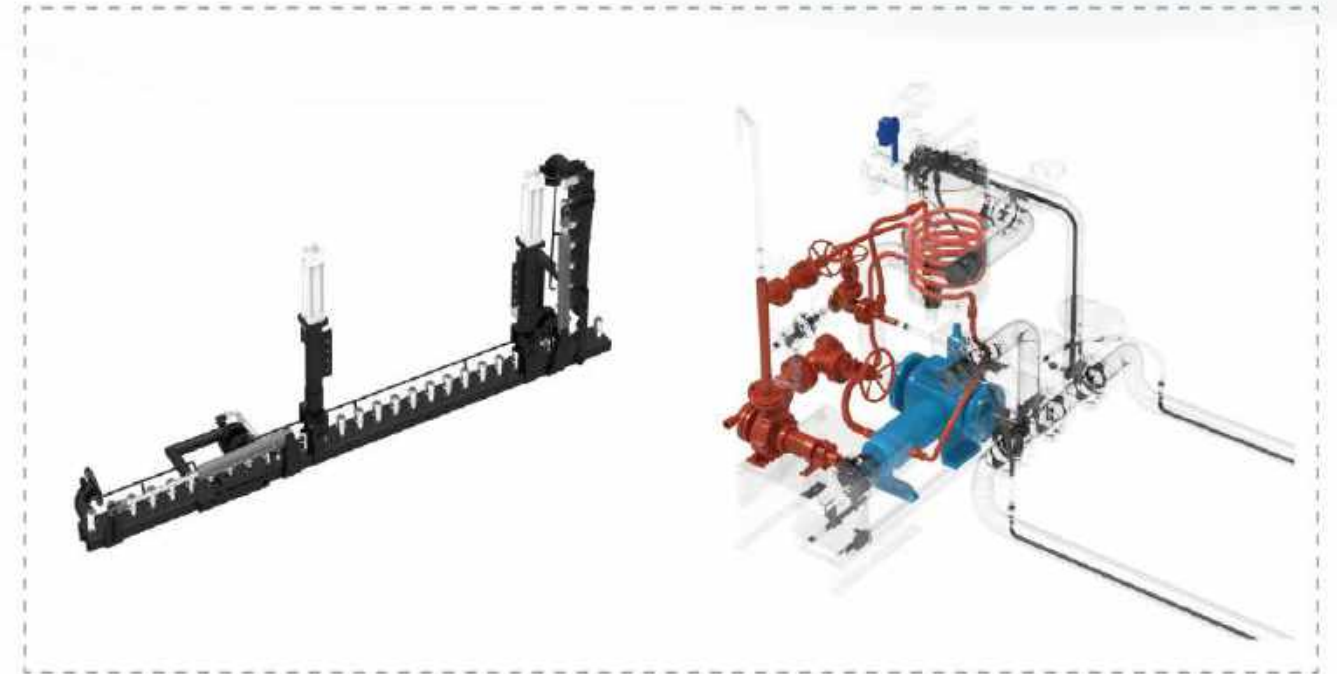
4 Powerful Power System

- ▶ Using SINOTRUK chassis, power 247kW/2200r/min, strong power, safe and reliable.
- ▶ Chassis engine full power take-off, easy to maintain and ensure the safety of power system;
- ▶ Matching high viscosity asphalt pump instantaneous flow special pipeline, higher efficiency.
- ▶ Special modified chassis reducer, minimum stable speed of 1.5km/h meets operation in various limited working conditions.

5 Intelligent Controls

- ▶ Intelligent control system, automatic spreading can be achieved by setting asphalt quantity per square meter;
- ▶ Touch screen in cabin displays construction parameters and monitoring picture in real time;
- ▶ Start-up spreading control technology realizes zero-start spreading of asphalt
- ▶ With electro-hydraulic proportional closed-loop control system, the amount of asphalt spreading is not affected by the change of travel speed

6 Convenient Repair And Service



- ▶ The asphalt pipeline is pneumatically-controlled valve, automatic cleaning function, easy to operate;
- ▶ Imported Belgian JOHNSON asphalt pump, imported hydraulic system elements, high reliability;
- ▶ Spraying beam pneumatic lifting structure, one key operation, more convenient to use and maintenance.

TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameters
	Product model	-	XTF1003
Working Performance Parameter	Maximum work width	m	4
	Spreading quantity, asphalt	kg/m ²	0.2~3.0
	Spreading quantity, gravel	L/ m ²	3~22
	Spreading accuracy	%	±1.5
	Asphalt tank capacity	m ³	6
	Gravel silo capacity	m ³	10
	Gravel diameter	mm	3~25
	Working speed	km/h	3~10
Chassis Performance Parameter	Chassis	-	SINOTRUK ZZ1257N4047W
	Engine type	-	WD615.69 (China II)
	Engine power	kW/ (r/min)	247/2200
	Driving mode	-	6x4
	Maximum drive speed	km/h	80
	Curb weight	kg	19000
	Diesel tank capacity	L	400
Total weight	kg	25000	
Dimensions	Overall dimensions	mm	9830×2500×3840

TABLE OF TECHNICAL PARAMETERS

Main dimensions							Unit: mm	
Model	L	W	H	L1	L2	L3	α	β
XTF1003	9920	2500	3790	4325	1350	2745	16°	10°



Product Overview

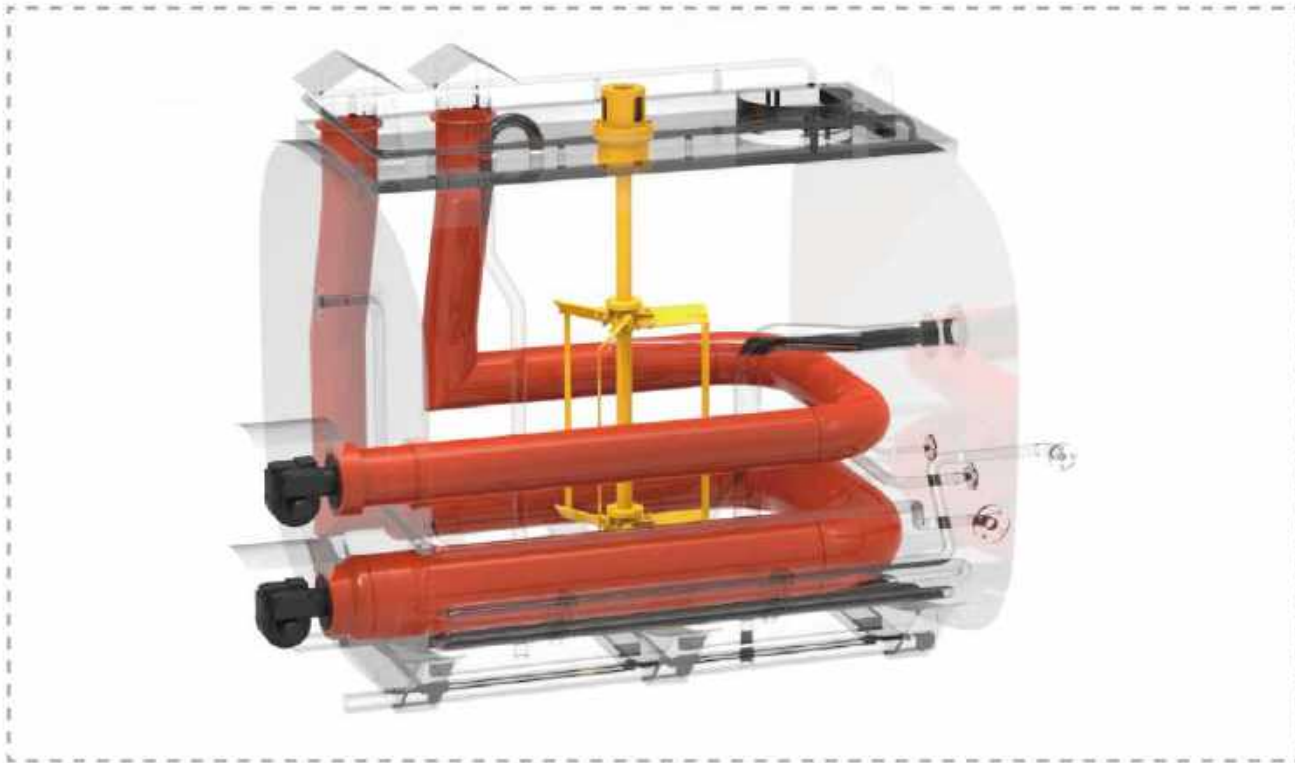
XTF1403R Asphalt Synchronous Chip Sealer Truck has the features of simple operation, high degree of automation, even spreading, flexible mobility and strong adaptability. Widely used in the construction of the bridge deck waterproof layer, sub-seal coat and upper seal coat of new pavement, white to black of cement road surface and prime coat, bonding layer construction and old pavement preventive maintenance. It can also be used for effective preventive seal coat maintenance, and spreading rubber asphalt, modified asphalt, matrix asphalt, emulsified asphalt, and other spreading media. It can be used for interlayer treatment and medium-term maintenance construction of high-grade highways, and construction of rural roads with small traffic volume. Remaining industry leader due to extraordinary spreading precision and state-of-the-art intelligent controls.

XTF1403R ASPHALT SYNCHRONOUS CHIP SEALER TRUCK





1 Safe And Reliable Heating System



- ▶ High heating efficiency with the American Beckett diesel burner.
- ▶ 24V low voltage can be connected to the chassis battery directly, safe, and reliable;
- ▶ Long lifetime, high reliability, and high efficiency;
- ▶ Built-in chimney, making full use of flue gas heat and higher heating efficiency.

2 Comfortable Operating Performance

- ▶ SINOTRUK chassis, powerful and comfortable driving;
- ▶ Hydraulic folding asphalt spreading beam, safe and convenient;
- ▶ With air conditioner and ABS system.

3 Super High Performance Spreading System

- ▶ Internal lifting silo, low height, convenient feeding, strong adaptability for culvert and under bridge construction;
- ▶ Split plate type gravel spreader, suitable for different types of stone, spread evenly;
- ▶ Dual diesel burner asphalt tank, fast heating speed, good insulation performance; Paddle mixer, mix well;

4 Powerful Power System

- ▶ Using SINOTRUK chassis, power 276kW/2100r/min, strong power, safe and reliable.
- ▶ Chassis engine full power take-off, easy to maintain and ensure the safety of power system;
- ▶ Start-up spreading control technology realizes zero-start spreading of asphalt

5 Convenient Repair And Service

- ▶ The asphalt pipeline is pneumatically-controlled valve, automatic cleaning function, easy to operate;
- ▶ Imported Belgian JOHNSON asphalt pump, imported hydraulic system elements, high reliability;
- ▶ Spraying beam pneumatic lifting structure, one key operation, more convenient to use and maintenance.

6 Intelligent Controls

- ▶ Intelligent control system, automatic spreading can be achieved by setting asphalt quantity per square meter;
- ▶ Touch screen in cabin displays construction parameters and monitoring picture in real time;
- ▶ Start-up spreading control technology realizes zero-start spreading of asphalt
- ▶ With electro-hydraulic proportional closed-loop control system, the amount of asphalt spreading is not affected by the change of travel speed



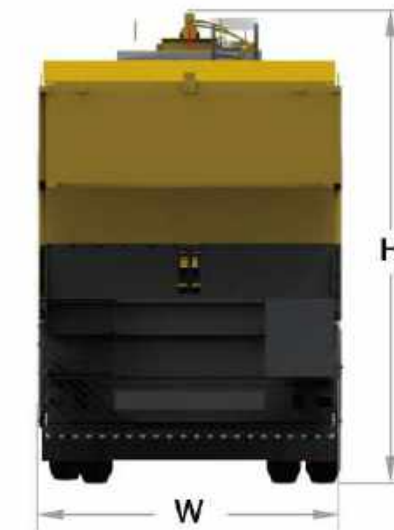
TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameters
	Product model	-	XTF1403R
Working Performance Parameter	Maximum work width	m	4
	Spreading quantity, asphalt	kg/m ²	0.2~3.0
	Spreading quantity, gravel	L/ m ²	3~22
	Spreading accuracy	%	±1.5
	Asphalt tank capacity	m ³	8
	Gravel silo capacity	m ³	14
	Gravel diameter	mm	3~25
	Working speed	km/h	3~10
Chassis Performance Parameter	Chassis	-	SINOTRUK ZZ1317N3867E1H
	Engine type	-	D10.38 -50
	Engine power	kW/ (r/min)	276/2100
	Driving mode	-	8×4
	Maximum drive speed	km/h	102
	Curb weight	kg	22300
	Diesel tank capacity	L	400
Total weight	kg	31000	
Dimensions	Overall dimensions	mm	11300×2500×3965



TABLE OF TECHNICAL PARAMETERS

Main dimensions									Unit: mm
Model	L	W	H	L1	L2	L3	L4	α	β
XTF1403R	11300	2500	3900	1800	3800	1350	2850	16°	14°



Product Overview

XZJ5312TFC (XF1003) micro-surfacing/slurry sealer is mainly used for functional layer construction of new asphalt pavement (top seal layer, sub-seal layer), maintenance construction of each grade asphalt pavement (slurry seal, the micro-surfacing) and rut repair; It has the characteristics of high construction efficiency, good construction quality, convenient operation, and high reliability.

XF1003 SLURRY SEALER TRUCK





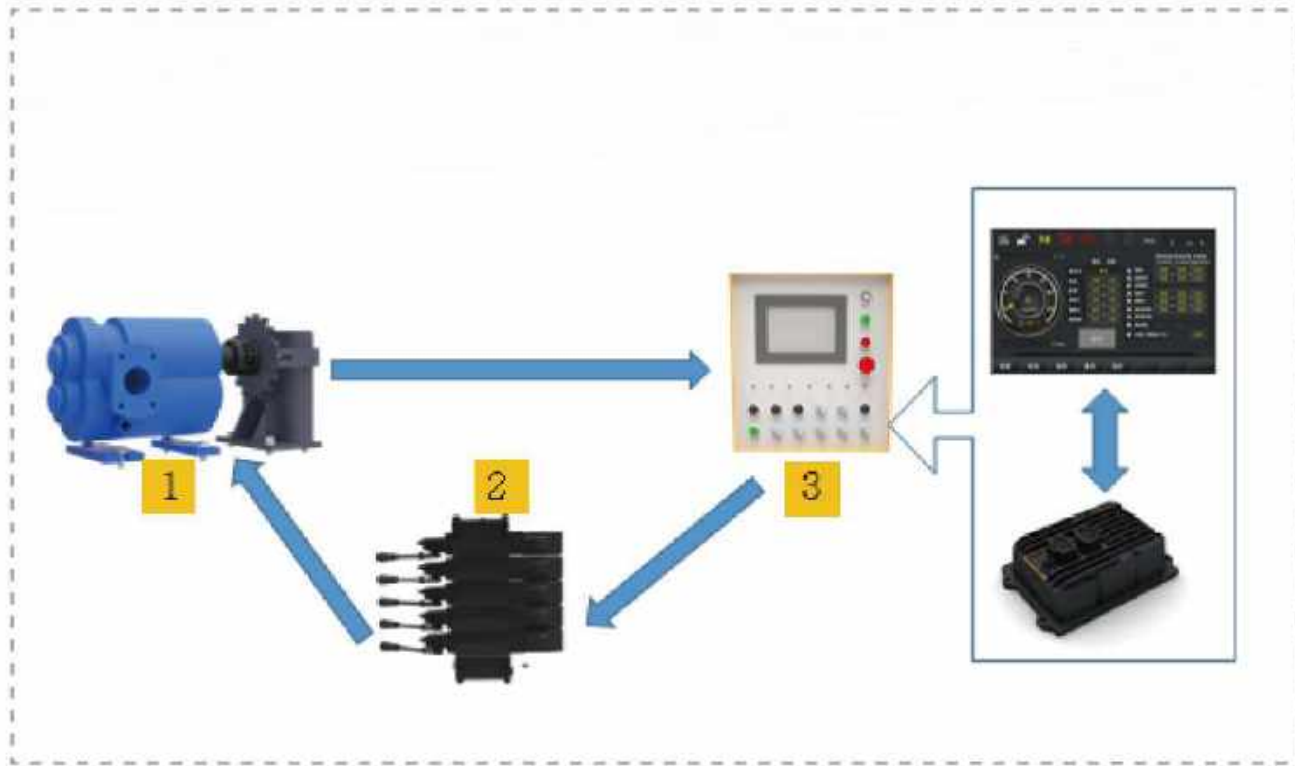
1 Safe And Energy-saving Hydraulic System

- ▶ Load-sensing hydraulic pump, superstructure powered by tandem variable hydraulic pump, low heat generation, low energy consumption;
- ▶ Hydraulic control valve integration, reasonable distribution of hydraulic oil volume, effectively reduce the total amount of high-pressure oil, reduce overflow, and effectively reduce heat generation.
- ▶ The hydraulic system is designed to combine the variable power sensitive hydraulic pump and load sensitive hydraulic system, providing power output for screw shaft, the system produces less heat, energy conservation and high efficiency.
- ▶ The system is stable and reliable with imported Danfoss variable pump and load sensing valve

2 Comfortable Operating Performance

- ▶ SINOTRUK chassis, powerful and comfortable driving;
- ▶ The chassis is equipped with the secondary deceleration and PTO knob, and the performance is stable for low-speed construction;
- ▶ With air conditioner and ABS system;
- ▶ The operation panel is divided into two parts, and the regulation control of the preparation and construction process are partition set to facilitate the operation.

3 Fine Metering System



- ▶ Precise material gear sensor with high measurement accuracy.
- ▶ Accuracy of aggregate conveying up to $\pm 3\%$, accuracy of emulsified asphalt conveying up to $\pm 2\%$, to ensure the mixture oil to stone ratio.
- ▶ Divided into front and rear control area, distinguish the preparation operation, construction operation stage, at the same time, to achieve a key discharge, easy to operate.
- ▶ The large volume of the silo can reduce the time of pulling materials back and forth, with high working efficiency.

4 Convenient Repair And Service

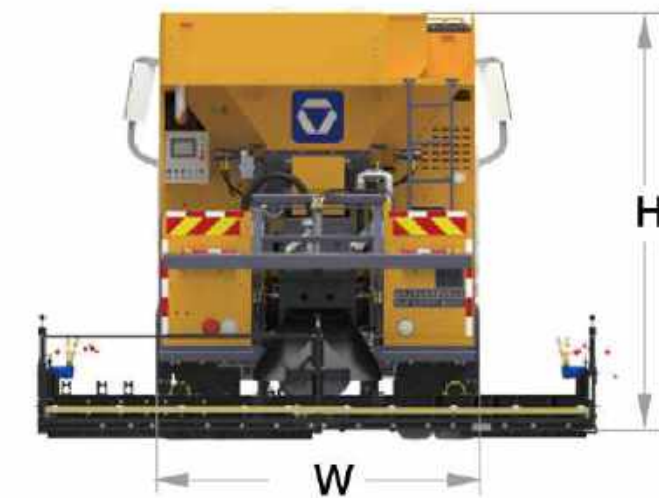
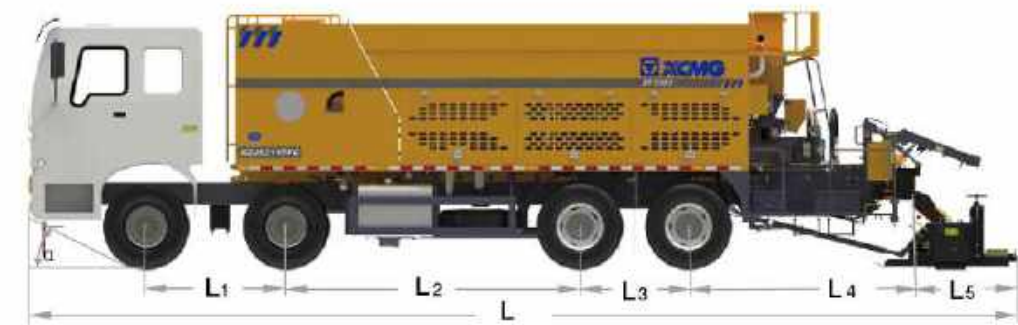
- ▶ Drawer type conveying frame, convenient for maintenance and simple maintenance.
- ▶ The mixer blade adopts limit type assembly, convenient and quick installation, and positioning.

TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameters
	Product model	-	XZJ5312TFC (XF1003) Export
Working Performance Parameter	Silo capacity	m ³	10(maximum 12)
	Asphalt tank capacity	L	4000
	Water tank capacity	L	4000
	Filler tank capacity	L	800(2×400)
	Additive capacity	L	300
	Fiber box capacity	roll	4 (Option, 8.3km per roll)
	Paving width	m	2.4-4.2
	Paving thickness	mm	3-15
	Working speed	km/h	1.5-3
	Chassis Performance Parameter	Model	-
Engine type		-	D10.31 -50
Engine power		kW/r/min	228/1900
Driving type		-	8×4
Emission standard		-	China Stage V
Maximum drive speed		km/h	80
Superstructure Engine Parameter	Model	-	DCEC QSB3.9-G125-30
	Power	kW/r/min	93/2200
Dimensions	Minimum ground clearance	mm	284
	Approach angle/ Departure angle	°	16/9
	Overall dimension (lengthx widthx height)	mm	11900×2550×3355
Weights	Fuel tank	L	400
	Curb weight	kg	20500
	Total weight	kg	31000

TABLE OF TECHNICAL PARAMETERS

Main dimensions									Unit: mm
Model	L	W	H	L1	L2	L3	L4	L5	α
XF1003	12900	2550	3355	1800	3800	1350	2400	1000	16°



Product Overview

XKC series Powder Binder Spreader Truck is mainly suitable for distributing powder materials such as cement, lime, and fly ash, and used for cement spraying for highway cold regeneration construction, stabilized soil and a variety of adhesives spraying for roadbed, and can also be used for powder material spraying for other working conditions. Powder binder spreader truck is key equipment for highway cold-in-place regeneration construction it is special equipment for stabilized soil construction, widely used in highway and municipal construction. With characteristics of high efficiency, environmental protection, simple operation, good construction quality and high reliability. With accurate spreading as well as intelligent design concept to lay the industry leader position.

XKC SERIES POWDER BINDER SPREADER TRUCK





1 Safe And Reliable Hydraulic System

- ▶ The silo body is equipped with a full silo sensor and the buzzer alarm, safe and reliable.
- ▶ It is equipped with a pressure relief beam above the feeding screw, which can effectively reduce the resistance and improve the feeding efficiency
- ▶ The hydraulic system is designed to combine the variable power sensitive hydraulic pump and load sensitive hydraulic system, providing power output for screw shaft, the system produces less heat, energy conservation and high efficiency.
- ▶ The system is stable and reliable with imported Danfoss variable pump and load sensing valve

2 Comfortable Operating Performance

- ▶ SINOTRUK chassis, powerful and comfortable driving;
- ▶ The chassis is equipped with the secondary deceleration and PTO knob, and the performance is stable for low-speed construction;
- ▶ With air conditioner and ABS system;

3 Convenient Repair And Service

- ▶ The connecting parts between feeding screw, metering roller and powder tank adopt unique seal structure, which is reliable and easy to maintain;
- ▶ The material silo is equipped with a pressure reducing beam, and low resistance of screw feeding for easy maintenance.

4 Intelligent Controls

- ▶ The electric control system is equipped with automatic and manual control system. The operation is simple and the powder is evenly distributed.
- ▶ Roller speed is associated with chassis speed, ensuring that the spreading quantity of every square do not change with the vehicle speed.
- ▶ The whole machine can be equipped with weighing system, and the accuracy of weighing system is up to 1%.

5 Super High Performance Spreading System



- ▶ The feeding screw adopts the variable pitch transport to prevent the local accumulation phenomenon during the conveying process, the conveying capacity is strong and the reliability is high
- ▶ The metering roll is closed loop controlled, enables accurate and uniform spreading
- ▶ Segmented overall covered rubber metering roller, 15 slots in the circumference, mold forming, uniform capacity.
- ▶ The mixing dust removal system at the rear tank body effectively prevents the dust leakage in the feeding process, environmentally friendly
- ▶ The large capacity of the silo, reduce the material transport times, high working efficiency.

6 Powerful Power System

- ▶ Using SINOTRUK chassis, power 228kw/1900r/min, strong power, safe and reliable.
- ▶ The chassis is equipped with a two-stage gearbox, with the minimum stable speed of 2.5km/h, and good low-speed walking performance meets the construction requirements; The maximum driving speed is 80km/h, the fast transport speed and high working efficiency.
- ▶ Chassis engine full power take-off, easy to maintain and ensure the safety of power system.



TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameter
	Product model		XKC203
Working Performance Parameter	Filler silo capacity	m ³	20
	Spreading width	mm	400 ~ 2400
	Spreading density	kg/m ²	5 ~ 40
	Spreading precision	%	±5
	Minimum working speed	km/h	2.5
		Model	-
Chassis Performance Parameter	Engine type	-	D10.31 -50
	Engine power	kW/(r/min)	228/1900
	Drive mode	-	6×4
	Emission standard	-	China V
	Maximum drive speed	km/h	80
	Dimensions	Minimum ground clearance	mm
Approach angle /Departure angle		°	16/13
Overall dimension (length× width× height)		mm	9550×2500×3610
Fuel tank		L	400
Machine Weights	Curb weight	kg	17500
	Total weight	kg	25000



TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameter
	Product model		XKC163
Working Performance Parameter	Filler silo capacity	m ³	16
	Spreading width	mm	400 ~ 2400
	Spreading density	kg/m ²	5 ~ 40
	Spreading precision	%	±5
	Minimum working speed	km/h	2.5
		Model	-
Chassis Performance Parameter	Engine type	-	D10.31-50
	Engine power	kW/(r/min)	228/1900
	Drive mode	-	6×4
	Emission standard	-	China V
	Maximum drive speed	km/h	80
	Dimensions	Minimum ground clearance	mm
Approach angle /Departure angle		°	16/13
Overall dimension (length× width× height)		mm	9550×2500×3360
Fuel tank		L	400
Machine Weights	Curb weight	kg	17500
	Total weight	kg	25000

Product Overview

XLY053TB pavement maintenance truck is applicable for the rapid repair of chuck holes on highway, national and provincial trunk roads, municipal roads, and asphalt pavement, and can meet various construction process requirements such as rapid heating of cold finished product mixture, regenerative heating of milling old materials, field frying of asphalt mixture. In addition, the vehicle is characterized by multiple function in one machine, easy operation and high reliability.

XLY053TB PAVEMENT MAINTENANCE TRUCK





1 Safe And Reliable Operating System

- ▶ High and low voltage partition instrument box and low voltage 24V operation panel, which have high-voltage leakage protection and high safety performance;
- ▶ Intelligent control system of drum fan can automatically protect burner from heat damage;
- ▶ Hydraulic roller lift bracket is placed behind the cabin and easy to operate;

2 Comfortable Control Performance

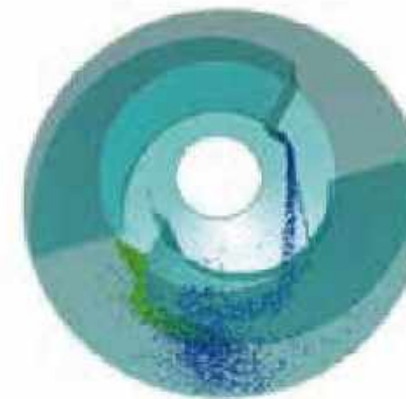
- ▶ Dongfeng duolika 4 × 2 chassis, powerful, safe, reliable, and comfortable.
- ▶ With air conditioner and ABS system.

3 Hot Air Circulation Heating System



- ▶ Italy RIELLO RG5S burner offers 160–309.5kW heating power, with fuel consumption of 13.5kg/h;
- ▶ Hot air circulation heating system saves fuel consumption and operation cost.
- ▶ Cyclone furnace structure enables full combustion and high efficiency.

4 Drum Bunker System



- ▶ When the environment temperature is at 20 °C, 0.5m³ of asphalt mixture can be heated to 140 ~ 170 °C within 15 to 20 minutes
- ▶ 0.5 m³ of asphalt mixture in the drum is turned in reverse for 4 minutes, and discharged fully without residue.

5 Powerful Propel System

- ▶ Equipped with noise-free Yuchai generator of 24kW/1500r/min, it provides output of 380V and power of 5kW, convenient for attaching auxiliary tools.
- ▶ The hydraulic and pneumatic elements all adopt international famous brands with reliable quality and stable performance
- ▶ 14Mpa hydraulic power output can quickly connect with auxiliary tools such as hydraulic pick.

6 Convenient Repair And Service

- ▶ Engine PTO supplies power to working devices, reliable and convenient to maintain.

7 Intelligent Control



- ▶ Heat-conducting oil heating asphalt system, which can automatically measure asphalt capacity and achieve precise control;
- ▶ Electrical heating emulsified asphalt spreading system, which adopts automatic telescoping spray tube and has the functions of diesel and pneumatic cleaning;
- ▶ Modular operation, high- and low-pressure partition. Fully automatic control system, easy to operate.



TABLE OF TECHNICAL PARAMETERS

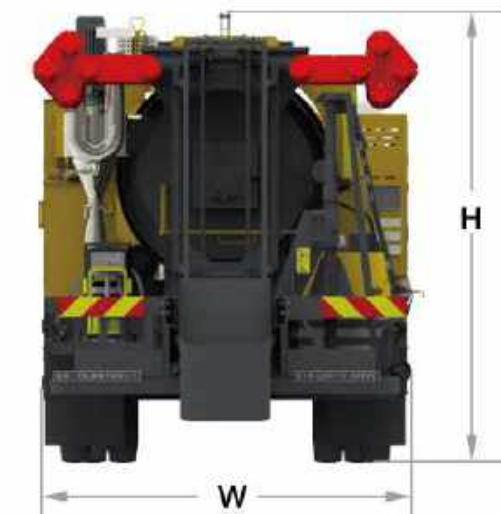


TABLE OF TECHNICAL PARAMETERS

Item		Unit	Parameter
Product model		-	XLY053TB
Working Performance Parameter	Rolling silo	Effective capacity	m ³ 0.5
		Heating mode	/ Hot air circulation
		Discharging speed	kg/min 380
		Feeding hopper capacity	m ³ 0.15
		Single heating time of rotary silo	min 15~20
	Hot bitumen system	Tank capacity	L 1000
		Heating mode	/ Diesel burner
	Emulsified asphalt system	Tank capacity	L 200
		Heating mode	/ Electrical heating (1kw)
Diesel cleansing tank capacity		L 15	
Chassis Performance Parameter	Model	/	Donfeng Duolika EQ1090SJ8BDC
	Engine type	/	YC4S150-48
	Engine power/speed	kW/r/min	110/2600
	Drive mode	/	4x2
	Emission standard	/	China stage V
	Maximum drive speed	km/h	103
Superstructure Generator Parameter	Model	/	XC-24GF
	Power	kW/r/min	24/1500
Dimensions	Minimum ground clearance	mm	210
	Approach Angle/Departure Angle	°	21/11
	Overall dimension (length× width× height)	mm	7590×2465×3000
Machine Weights	Curb weight	kg	10000
	Total weight	kg	14060

Auxiliary tools (optional): roller, hydraulic pick, cutting machine, dust collector, blower, plate hammer and shocking rammer etc.

Main dimensions							Unit: mm	
Model	L	W	H	L1	L2	α	β	
XLY053TB	7590	2465	3000	3800	2310	21°	11°	



Product Overview

XLY103TB Pavement maintenance truck is applicable for the rapid repair of chuck holes on highway, national and provincial trunk roads, municipal roads, and asphalt pavement, and can meet various construction process requirements such as rapid heating of cold finished product mixture, regenerative heating of milling old materials, field frying of asphalt mixture and in-place recycling of pavement. In addition, the vehicle is characterized by multiple function in one machine, easy operation and high reliability.

XLY103TB PAVEMENT MAINTENANCE TRUCK





1 Safety

- ▶ High and low voltage partition instrument box and low voltage 24V operation panel, which have high-voltage leakage protection and high safety performance;
- ▶ Drum heating and heating wall heating automatic temperature control system, the program automatically control the burner combustion power, automatic protection to prevent high temperature damage burner
- ▶ Roller hydraulic lifting, warning light flashing prompt, safe and reliable

2 Comfort Highlights

- ▶ SINOTRUK Shandeka 4 × 2 China III 18t chassis (ZZ1186M501GC1), engine model MC07.28-30 with power of 206kW/2300 r/min, powerful, safe, reliable, and comfortable.
- ▶ Equipped with air conditioning, single berth, ABS anti-lock system.
- ▶ The maximum driving speed is 95km/h, with fast transition speed and high working efficiency

3 Hot Air Circulation Heating System

- ▶ Imported Italian RIELLO RL-70 converter power burner, heating power is 219-714 kW, fuel consumption of 20.5 kg/h
- ▶ Variable power hot air circulation heating system saves fuel consumption and operation cost.
- ▶ Cyclone furnace structure enables full combustion and high efficiency.

4 Drum Bunker System

- ▶ When the environment temperature is at 20 °C, 1m³ of asphalt mixture can be heated to 140 ~ 170 °C within 20 minutes
- ▶ 1m³ of asphalt mixture in the tank is turned in reverse for 5 minutes, and discharged fully without residue.

5 Heating Wall



- ▶ Three partition hot air type pavement heating wall, whose heating area is 2.5 m²; heating depth within 20min can reach 6cm, the bottom temperature can reach 140°C, high construction efficiency;
- ▶ Variable power automatic control burner heating can effectively prevent pavement scorch and asphalt aging; in addition, asphalt pavement heating gradient is small and heating is uniform;
- ▶ Hydraulic raking equipment can quickly scarify and harrow the heated pavement with low labor intensity, good loosen effect;

6 Auxiliary Power System

- ▶ Equipped with Yuchai XC-16GF installed generator set, 16kW/1500r/min, can provide 220V and 380V power output, output power of 4kW, convenient construction of auxiliary tools
- ▶ The hydraulic and pneumatic elements all adopt international famous brands with reliable quality and stable performance
- ▶ 14Mpa hydraulic power output can quickly connect with auxiliary tools such as hydraulic pick.

7 Intelligent Control System



- ▶ Intelligent wireless measurement material temperature: wireless signal transmission, intelligent display screen real-time display control temperature, automatic control of material temperature.
- ▶ Accurate measurement control of hot asphalt spreading.

TABLE OF TECHNICAL PARAMETERS

TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameter
	Product model	-	XLY103TB
Working Performance Parameter	Rolling silo	Effective capacity	m ³ 1
		Heating mode	/ Hot air circulation
		Single heating time of rotary silo	min 15~20
		Discharge speed	kg/min 380
		Feeding mode	/ Hydraulic automation
		Feeding hopper capacity	m ³ 0.13
	Heating wall (Optional)	Effective heating area	m ² 2.5
		Heating depth	cm 6
		Number of partitions	/ 3
	Hot bitumen system	Tank capacity	L 100
		Heating mode	- Diesel burner
	Emulsified asphalt system	Tank capacity	L 40
		Heating mode	- Electrical heating (3kw)
		Diesel cleansing tank capacity	L 15
	Volume of waste box	m ³ 0.48	
Chassis Performance Parameter	Model	-	Sinotruk shandeka ZZ1186M501GC1
	Engine type	-	MC07.28-30
	Engine power/speed	kW/r/min	206/2300
	Drive mode	-	4×2
	Emission standard	-	China stage III
	Maximum drive speed	km/h	95
Upper Assembly Generator Parameter	Model	-	XC-16GF
	Power	kW/r/min	16/1500
Dimensions	Minimum ground clearance	mm	240
	Approach angle/Departure angle	°	17.3/12.6, 11.8
	Overall dimension except heating wall (length× width× height)	mm	8175×2500×3440
	Overall dimension incl. heating wall (length× width× height)	mm	9640×2500×3440
Machine Weights	Curb weight	kg	13750/15120 (with heating wall)
	Total weight	kg	16000

Main dimensions							Unit: mm	
Model	L	W	H	L1	L2	α	β	
XLY103TB	9640	2500	3440	5000	3240	17.3°	11.8°	



Auxiliary tools (optional): roller, hydraulic pick, cutting machine, blower, plate hammer and vibration plates

Product Overview

XLY055L pavement maintenance truck is applicable for the rapid repair of chuck holes on highway, national and provincial trunk roads, municipal roads, and asphalt pavement, and can meet various construction process requirements such as rapid heating of cold finished product mixture, regenerative heating of milling old materials, field frying of asphalt mixture. In addition, the vehicle is characterized by multiple function in one machine, easy operation and high reliability.

XLY055L PAVEMENT MAINTENANCE TRUCK





1

- ▶ Super quiet auxiliary engine powers the whole truck, use cyclone water mist dust removal, no dust in the construction process, reduce pollution, energy saving and environmental protection;
- ▶ With single-lane feeding in the rear, it doesn't take up the traffic lane during construction, adaptable to various working conditions
- ▶ The optional lifting roller/flat rammer bracket is placed behind the cab, which is safe and convenient for operation and single-lane construction
- ▶ Optional cutting machine, crushing pick for rapid cutting and crushing of diseases in base course; optional vibratory plates for road surface compaction.

2 Safety

- ▶ High and low voltage partition instrument box and low voltage 24V operation panel, which have high-voltage leakage protection and high safety performance;
- ▶ Intelligent control system automatically protects burner from damage due to high temperature;
- ▶ The roller is lifted or lowered vertically with single-lane construction, warning light, safe and reliable

3 Comfort

- ▶ Fukuda 4 × 2 China V 16t chassis (BJ3163DKPED-AC), engine model YC4S170-50 with 125kW/2600r/min, powerful, safe, reliable, and comfortable.
- ▶ Equipped with air conditioner and anti-lock system (ABS).
- ▶ Vehicle traveling data recorder is equipped to record the information in traveling process in real time.

4 Power System

- ▶ Equipped with super quiet engine of 36kW/1500r/min, it provides output of hydraulic and electric of 5kW, convenient for auxiliary tools to work. Chassis can remain off during working, energy saving, environmental protection, low noise, reliable performance;

5 Super high performance heating system



- ▶ Heat regeneration mixer integrates the function of waste material regeneration, new material mixing, and cold material heating which adapts to various working conditions
- ▶ Rapid heating of cold material. It can heat asphalt mixture block to 140~160°C in the time of 8~15min
- ▶ Unique cyclone water spray dust removal design ensures good effect.
- ▶ Asphalt tank with large capacity, heat conducting oil circulation heating system delivers even heating, automatic measurement of asphalt volume with precise control;
- ▶ Electrically heated asphalt pipeline has the functions of spreading, suction, and asphalt crack pouring. After construction, compressed air is used to purge the pipeline without diesel cleaning, which is low-carbon and environment-friendly

- ▶ Electrical heating emulsified asphalt spreading system, which adopts automatic telescoping spray tube and has the functions of diesel and pneumatic cleaning;

6 Control System



- ▶ High and low voltage instrument box, which can display working parameter in real time and is safe and convenient;
- ▶ Accurate measurement and control of hot asphalt spreading quantity.
- ▶ Equipped with hydraulic power output interface, auxiliary power optional;
- ▶ 380V/220V power output interface can connect with lighting and electric auxiliary tools.



TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameter	
Working Performance Parameter	Product model	-	XLY055L	
	Mixing Silo	Mixer capacity	kg	1000
		Heating fuel	/	Diesel
		Productivity	t/h	3~5
		Feeding hopper capacity	kg	340
		Feeding mode	/	Hydraulic automation
		Mixer burner power	kW	309.5
		Fuel consumption	kg/t	5.5~7.5
	Temperature of discharging material	C	120~180	
	Hot bitumen system	Tank capacity	L	1000
		Heating mode	-	Diesel burner + thermal oil
		Asphalt tank burner power	kW	74.3
	Emulsified asphalt system	Tank capacity	L	200
		Heating mode	-	Electrical heating
		Diesel cleansing tank capacity	L	50
	Max. pressure of cleaning system	Mpa	0.7	
	Max. pressure of hydraulic system	Mpa	18	
Chassis Performance Parameter	Model	-	Fukuda BJ3163DKPED-AC	
	Total weight	-	16200	
	Engine model	-	YC4S170-50(Yuchai)	
	Engine power/speed	kW/r/min	125/2600	
	Drive mode	-	Flat roof 6×4×2	
	Emission standard	-	China V	
	Tyre specification	-	8.25R20	
	Passenger limit	-	3	
	Wheel base	mm	4300	
	Front overhang	-	1260	
	rear overhang	-	1430	
	Approach angle/Departure angle	-	20/13.6	
	Maximum drive speed	km/h	89	
	Auxiliary Engine Parameter	Model	-	YC4D24TG0
Type		-	Vertical, inline, water-cooled, four-stroke	
Power		kW/r/min	36/1500	
Superstructure Generator Parameter	Model	-	JHD8500ES	
	Power	kW/r/min	6.5/3000	
Dimensions	Overall dimensions (length× width× height)	mm	7730×2436×3220	
Machine Weights	Curb weight	kg	11020	
	Total weight	kg	16200	

Auxiliary tools (optional): roller, hydraulic pick, cutting machine, blower, plate hammer and vibration plates



TABLE OF TECHNICAL PARAMETERS

Main dimensions							Unit: mm	
Model	L	W	H	L1	L2	α	β	
XLY055L	7730	2400	3220	4200	2295	20°	13.6°	



Product Overview

XLQ1005 Wet Dry Vacuum Road Sweeper has one-key switch wet/dry function, fits all weather operations. The vehicle is mainly used for cleaning work after pavement milling and construction; cleaning work before and after repairing pavement by paver, slurry sealer, chip synchronous sealer; cleaning work of municipal pavement; and cleaning work of mixing plant, coal mine, cement plant and other factory areas. XLQ1005 Wet Dry Vacuum Road Sweeper has characteristics of high cleaning efficiency, environmental protection, simple operation, good construction quality and high reliability.

XLQ1005 WET & DRY VACUUM ROAD SWEEPER





1 The Machine Is Safe And Reliable With Multiple Protection

- ▶ The electronic control system is equipped with the rear material door opening sensor. If the rear material door is not opened, the silo cannot be lifted. Prevent the vehicle from tipping over without operation.
- ▶ The lifting cylinder adopts single-acting multistage cylinder, which falls back by its own weight, with high safety factor and is not easy to cause personnel injury.
- ▶ The vehicle is equipped with safety support. After the silo is lifted, the safety support is raised to provide multiple protection for equipment maintenance and overhaul.
- ▶ Silo lifting belt reminding function, silo lifting to a certain height, through the electronic delay, effectively ensure the safety of vehicle unloading.

2 Comfortable Operating Performance

- ▶ Dongfeng chassis, strong power, and comfortable driving
- ▶ Equipped with air conditioner, single berth

3 Ultra-high Performance Dust Collection System

- ▶ The whole machine is equipped with scrambling roller brush, which effectively plucks the ground stones into the duct to be recovered.
- ▶ Large air volume, high negative pressure centrifugal fan.
- ▶ High filtration precision filter element, filter element filtration area of 120 square meters or more, 5 μ m particle filtration precision height of 90% or more, can ensure dry operation air outlet no dust, no secondary pollution.

4 Powerful Power System

- ▶ The top-mounted engine adopts Yuchai 103kW engine, with sufficient power.
- ▶ Adopt friction plate clutch, high reliability.

5 Convenient Repair And Service

- ▶ The roller brush has forward and reverse function, which can solve most of the brush stagnation problems by brush reversal, and equipped with brush cleaning port, which can easily take out the foreign matter in the brush.
- ▶ The silo lifting adopts chassis system to take force, and the upper engine maintenance and overhaul can lift the silo in the off state.

6 Intelligent controls

- ▶ The engine fires, the control system automatically judges the logic and the clutch slowly absorbs.
- ▶ Water system has low liquid level detection, automatic protection of high pressure water pump to prevent idling wear.

TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameters
	Product model	-	XZJ5160TXC (XLQ1005)
Working Performance Parameter	Silo capacity	m ³	10(Effective ≥4)
	Water tank	m ³	3
	Sweeping width (side brush included/not included)	mm	2650/2300
	Min. working speed	km/h	≤2.5
Chassis Performance Parameter	Model	-	EQ1160GL6DJ(CHINA-VI)
	Engine type	-	YCY30165-60
	Engine power	kW/r/min	121/2800
	Maximum drive speed	km/h	88
Dimension	Overall dimension (length× width× height)	mm	7950×2550×3190
Superstructure Engine Parameter	Model	-	YCA05140-T480 (China IV)
	Engine power	kW	103
Weights	Fuel tank	L	280
	Curb weight	kg	11200
	Total weight	kg	16000

TABLE OF TECHNICAL PARAMETERS

Main dimensions					Unit: mm	
Model	L	W	H	L1	L2	
XLQ1005	7950	2550	3190	4200	2500	



Product Overview

XZJ9400ZLS(XLY245B II) Bulk grain transport semi-trailer is a semi-trailer transport vehicle, with a compact and reasonable structure. The trunk can be docked with a vast majority of pavers on the market for material transportation. Equipped with a fully hydraulic design, it is easy to operate. Its dual control system is mutually independent with remote control, which guarantees a perfect operation. With an integrated mechanical, electrical and hydraulic system, it can be used in transporting hot asphalt mixture, milling cold material, sand, and other engineering material. It is the middleman between asphalt mixing plant and paver.

XLY245B INSULATION TRANSPORTER TRAILER





1 Safety

- ▶ The scraper chain translates automatically, the silo does not need to be lifted, avoiding the risk of side-turning and warping when conveying materials, and the operation safety is good.

2 Working Device Highlights

- ▶ Fully enclosed thermal insulation silo, temperature drop of asphalt material is less than 3°C/h, which expands the transportation radius of plant. The side of the silo is provided with a temperature measuring hole for real-time temperature measurement.

3 Power System Highlights

- ▶ Full hydraulic design, double independent control systems, remote control operation, providing strong guarantee for the reliable operation of equipment. Good compatibility with tractors, compatible with all kinds of trams, hydrogen, and diesel tractors

4 Maintenance Highlights

- ▶ Adopt the form of scraper chain conveying to prevent the material from being brought to the road;
- ▶ The scraper has long service life, low maintenance cost and convenient maintenance.



TABLE OF TECHNICAL PARAMETERS

Item	Unit	Parameters
Model	-	XLY245BIII/XLY245BIV
Maximum total mass	kg	40000
Silo capacity	m ³	29/20
Overall dimension	mm	9000×2550×3550/3200
Curb weight	kg	9040
Insulation capacity (C/h)	°C/h	≤3°C/h
Theoretical conveying capacity	m ³ /h	290



TABLE OF TECHNICAL PARAMETERS

Product Overview

The chip spreader truck is a dedicated road paving machine that spreads asphalt in layers. As a road-building machine, the chipping spreader can evenly spread layers of chips of a certain grain size on the already dispersed road or on clay-bound roads.

After absorbing the most advanced technologies and utilizing technological advantages of XCMG, plus the enriched construction experience, XCMG develops this XCS1631J chips spreader; the performances enter into a global level. The chips spreader and asphalt distributor work as a set, which is ideal road paving equipment.

XCS1631J CHIP SPREADER TRUCK





1

- ▶ All 16 hopper doors can be operated separately, which enables flexible control of spreading width
- ▶ The complete lighting system facilitates construction in the nighttime
- ▶ Thanks to the wheel sprinkling system, road-surface aggregates won't stick to the wheel, which improves road paving quality.

2 Safety

- ▶ The equipment is simple and reliable, easy to disassemble
- ▶ A water/vapor filter is equipped in gas circuit to ensure system stability.
- ▶ Premium parts guarantee stable and reliable operation.



3 The Material Door Can Be Controlled By Group Or Independently

- ▶ Hopper door control consists of one general switch and 16 subordinate switches. It can control the 16 door simultaneously and individually.
- ▶ Feeding fine-adjustment device fulfills individual hopper door adjustment and ensures spreading evenness, which eliminates the uneven spreading issue of traditional chip-ping spreaders.
- ▶ The specially designed roller anti-slip device provide a solution to that the chips fail to fall.

4 Convenient Repair And Service

- ▶ The equipment is secured in a simple way, easy to disassemble;
- ▶ Lifting device on the chip spreader can be used to assembly/disassembly the equipment by crane, loader, or forklift. Unplug all the electrical and gas connection. Meanwhile, lay out the extension plate. Mount all four supporting legs. Make sure the lifting equipment and device are well connected.



TABLE OF TECHNICAL PARAMETERS

	Item	Unit	Parameters
	Model	-	XCS1631J
Working Performance Parameter	Maximum spreading width	mm	3100
	Aggregate size	mm	3 ~ 25
	Spreading quantity	m ³ /km ²	0.5 ~ 50
	Operating speed	km ² /h	10 ~ 20
Dimensions	Overall dimensions (lengthx widthx height)	mm	2535x1435x2210
	Shipping dimension	mm	2135x2535x1946



TABLE OF TECHNICAL PARAMETERS

Product Overview

XLH405 Multi-functional Green Maintenance Truck is mainly used for green belt pruning projects on highway, expressway, provincial roads, gardening, and landscaping. Ideal for flattening shearing, vertical shearing, and oblique shearing work, making the work more productive, easier, and safer. Supporting customization according to the user's operating requirements. It is powerful, operating efficient and highly reliable.

XLH405 MULTI-FUNCTIONAL GREEN MAINTENANCE TRUCK





1 Safety

- ▶ This equipment runs in the same direction as the traffic vehicles, and has eye-catching steering signal light and warning light for guidance, good view ensures the construction safety.

2 Comfort

- ▶ JMC 4.5t chassis (JX1041TSG25) in accordance with China-V emission standard, engine model JX493ZLQ5 and the power is 85kW/3800r/min.
- ▶ Equipped with air conditioner and anti-lock system (ABS).
- ▶ Vehicle traveling data recorder is equipped to record the information in traveling process in real time.

3 Hydraulic Control Device



- ▶ The hydraulic device is controlled via the multi-way solenoid valve by operating the control handle in the cab, so that the device could be lifted/lowered flexibly and retracted flexibly to implement the horizontal trimming, vertical trimming and trimming at varied height etc.

4 Warning Device

- ▶ Warning device including the guiding indicators, rear warning plate, etc.

5 Power System



- ▶ The hedge trimmer is equipped with superstructure engine to provide sufficient power and guarantee high construction efficiency.
- ▶ Remote control operation in the cab, convenient and practical



TABLE OF TECHNICAL PARAMETERS

Item	Unit	Parameters
Model	-	XLH405
Cutting width	mm	1500~2300
Cutting height	mm	Flat 2800-vertical 4000
Cutting width	mm	0~3500
Motor power	kW	3~5.5
Hydraulic motor power	kW	1.5
Operating speed	km/h	10~15
Shearing diameter	mm	φ10
Working voltage of electric system	V	Operation 24
Rotation angle	°	±180
Weight of independent superstructure	kg	1500~1800
Overall Dimensions (length×width×height)	mm	5995×1920×2870



TABLE OF TECHNICAL PARAMETERS