



SANY Environment

Fuel Product Series >>>

A New Benchmark for Smart and Beautiful Urban Environment



三一环境产业有限公司
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A New Benchmark for Smart and Beautiful Urban Environment

SANY



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PART 1 印象·企业篇 IMPRESSIONS

SANY's corporate philosophy: Quality Changes the World

SANY's vision: Build a first-class enterprise, foster first-class talents, and make first-class contributions



集团介绍 GRUOP INTRODUCTION

Since its establishment in 1989, SANY's vision to "build a first-class enterprise, foster first-class talents, and make first-class contributions to society" has never wavered. This achieved the well-known "SANY" brand in the industry.

SANY has comprehensive businesses, covering a wide range of products such as concrete machinery, excavation machinery, hoisting machinery, pavement machinery, piling machinery, wind power equipment, new energy heavy trucks, port machinery, petroleum equipment, coal equipment, prefabricated building PC and hydrogen energy equipment. It has three listed companies: SANY Heavy Industry Co., Ltd. (SH, 600031), SANY International Holdings Co., Ltd. (HK, 00631) and SANY Renewable Energy Co., Ltd. (SH, 688349). It wholly owns the "No.1 brand of concrete machinery in the world" Putzmeister (Germany) and hold the share of the "global truck-mounted crane giant" Palfinger (Austria).

SANY is listed in Fortune Global 500, and its subsidiary SANY Heavy Industry Co., Ltd. ranks first in China and second in the world in the field of construction machinery. Its concrete machinery ranks first in the world and the excavator sales volume ranks first in the world.

SANY has industrial parks in Changsha, Beijing, Shanghai, Shenyang, Kunshan, Zhuhai, and Urumqi, and has R&D and manufacturing centers in India, the United States, Germany and Brazil, with business covering more than 150 countries and regions around the world.

In addition to the main business of equipment manufacturing, SANY is also vigorously developing new businesses such as environmental protection equipment, renewable energy, residential industrialization and industrial internet. At present, SANY Group has become China's leading PC building industrialization complete equipment provider, and its subsidiary SANY Renewable Energy Co., Ltd. is a domestic wind power complete solution and renewable clean energy provider.

三一环境简介 COMPANY INTRODUCTION

SANY Environment Industry Co., Ltd., a wholly-owned subsidiary of Sany Group, and a new cutting-edge enterprise of SANY Group, specializes in the R&D, manufacturing and sales of new energy sanitation equipment as well as providing customers with integrated solutions for sanitation operations. Focusing on the development of new energy, intelligence and networking of sanitation equipment, the company is dedicated to creating high-end special vehicles for new energy sanitation, providing customers with first-class and professional sanitation equipment products and services.

Thanks to the comprehensive advantages of SANY Group in product research and development, production and manufacturing, etc., and the experience and layout of SANY Group in the construction machinery, heavy truck and new energy industry chain, SANY Environment Industry Co., Ltd. uses innovative core intelligent new energy technology and professional research and development and management teams to focus on the research and development of new energy and intelligent sanitation equipment, actively explores intelligent unmanned sanitation equipment, actively promotes the unmanned sanitation operation, and aims to be a leading equipment and service provider in the domestic sanitation machinery and equipment and intelligent sanitation robot industry.

SANY Environment Industry Co., Ltd. is committed to building a "lighthouse factory" and a digital sanitation smart cloud platform for new energy sanitation equipment, creating an overall sanitation operation solution for the whole industry chain system of "sanitation service + operation equipment + smart platform" and "front-end + middle-end + terminal + comprehensive service", and becoming an industry-leading (industry first) service-oriented, technology-oriented, platform-based and international overall sanitation operation solution provider.

SANY Sanitation Equipment adheres to the concept of "Quality Changes the World" and contributes to the sustainable development of sanitation in China and the world.



PART 2 创新·产品篇
INNOVATE

01 Pavement cleaning



01 Fuel sweeper truck
8T

SYR5085TXSQL6 fuel sweeper truck is a small-tonnage high-quality sweeper truck independently developed and designed by SANY Environment. The vehicle features excellent performance, providing comfortable driving experience. The power system is stable and reliable, the operating system is efficient and durable, and the human-machine interaction is safe and convenient, integrating the functionalities of both a road sweeper and a high-pressure cleaning vehicle. It has various operation functions such as pavement sweeping, pavement brushing, high-pressure cleaning, curb washing, garbage collection, sewage recovery, road partition wall cleaning and adlet cleaning.

Performance Feature
性能特点

8T Fuel sweeper truck

Professional chassis, reliable and durable

The chassis has high durability and strong power. The horizontal bar four-valve design saves 10% fuel compared with the two-valve design; the integrated man-machine design of chassis and cab makes the cab tiltable and more convenient for maintenance.

Intelligent operation, easy operation

The degree of integration of brushing - flushing - absorbing sewage is high, with less splashing during operation and a high sewage absorption rate; the cleaning mechanism and side spray rod automatically retract inward to avoid obstacles when encountering them, and automatically reset after crossing them; it has the function of automatic stop of reversing sweeping operations, and the sweeping mechanism is retracted to ensure driving safety.

Safe, reliable and longer-lasting

Low water level voice alarm, pump water shortage protection, sewage full tank alarm sewage tank lifting and falling safety protection to ensure safe operation; Annovi Reverberi HP water pump is adopted, which is durable; equipped with waterway air blowing pipe quick connection to protect waterway components and prevent frost crack.

Super-large volume for efficient operation

Volume of clean water tank: 4.5m³, volume of dustbin: 4m³; one continuous water spraying operation time: 60min; the large-angle sloped garbage container, combined with the narrow rear door structure, realizes rapid waste discharge.

Large console screen and easy operation

The cab is equipped with an integrated special display screen for easy operation and intelligent memory of working status; common functions are operated by one key, and the operation mode is set by one key, with a high degree of automation and intelligence; real-time viewing of vehicle operating conditions, monitoring of operating conditions, and achieving the best operating results; free switching of operation modes improves operating efficiency.

Complete functions, one vehicle for multiple purposes

It has 9 operation modes and 3 operation intensity levels, with high practicability at sites; It has multiple operation functions such as high-pressure self-cleaning of the bin and handheld spray gun, one vehicle for multiple purposes.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5085TXSQL6
	Chassis model	/	QL1080NBHACY/QINGLING
	Engine power	kw	110 / Yunnei Power D25TCIF1
	Transmission model	/	6G40/WLY
	Gross mass	kg	8,280
	Curb weight	kg	6,880
	Overall dimensions (L×W×H)	mm	6,900×2,200×2,700
	Wheelbase	mm	3,815
Operation Performance Parameters	Volume of clean water tank	m ³	4.5
	Volume of dustbin	m ³	4
	Cleaning speed	km/h	3-20
	Maximum sweeping capacity	m ² /h	65,000
	Maximum continuous water spraying time	min	60
	Pavement sweeping width	m	3.1
	Sweeping speed	km/h	3-15
	Unloading angle	°	48

PART 2 创新·产品篇 INNOVATE

01 Pavement cleaning



02 Fuel sweeper truck

8T

The SYS5085TXSSD6 fuel sweeper truck is a special cleaning vehicle for urban sanitation, using the SAIC Maxus SH1083ZFDDWZ2 China VI Type II chassis. The vehicle features excellent performance, providing comfortable driving experience. It is equipped with multiple operating modes such as full sweep, left sweep, right sweep, full road sweep, left road sweep and right road sweep. The sweeper truck adopts advanced and efficient pneumatic conveying system and powerful and efficient special fan, which has low energy consumption and high utilization rate of superstructure space. The total volume of the clean water tank is up to 4.8m³ and that of sewage tank 4.1m³.

Performance Feature 性能特点

18T Fuel sweeper truck

Reliable quality, longer life

SAIC special chassis for sanitation is equipped with Yunnei engine, which has stable performance; high load capacity greatly reduces the safety hazards of overloading.

Larger volume and longer operation

The effective volume of the clean water tank is 4.8m³, which can increase working hours, reduce the frequency of water addition, and improve work efficiency.

Reliable quality, convenient interaction

Key components are selected from well-known domestic and foreign industry brands, ensuring maturity and reliability; special independent oil filling ports and key component protection covers are installed to ensure convenience and safety.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYS5085TXSSD6
	Chassis model	/	SH1083ZFDDWZ/ SAIC Yuejin
	Engine power	kw	118/Yunnei Power D25Pro
	Transmission model	/	WLY6G45/WLY
	Gross mass	kg	8,280
	Curb weight	kg	6,880
	Overall dimensions (L×W×H)	mm	6,795×2,280×2,705
	Wheelbase	mm	3,808
Operation Performance Parameters	Volume of clean water tank	m ³	4.8
	Volume of dustbin	m ³	4.1
	Cleaning speed	km/h	8
	Maximum sweeping capacity	m ² /h	64,000
	Maximum continuous water spraying time	min	60
	Pavement sweeping width	m	3.2
	Sweeping speed	km/h	12
	Unloading angle	°	45

PART 2 创新·产品篇 INNOVATE

01 Pavement cleaning



03 Fuel sweeper truck 18T

For the SYR5185TXSDF6 fuel sweeper truck, SANY Environment equips it with a Dongfeng Tianjin Type II chassis and a Cummins auxiliary engine. It has excellent overall performance and operation performance, providing comfortable driving experience, integrating the functions of road sweeper and high-pressure cleaning vehicle. It is particularly suitable for long-distance, high-cleanliness sweeping and cleaning operations on pavements and curbs such as urban main roads and city squares. It especially performs well in cleaning seriously polluted pavements and can be regarded as a leader in the field of urban sanitation.

Performance Feature 性能特点

18T Fuel sweeper truck

Professional chassis, reliable and durable

It is modified from Dongfeng Tianjin Type II chassis, is specifically designed for sanitation products and is reliable and durable; the chassis adopts high-quality powder spraying technology with better anti-corrosion performance.

Super-large volume for efficient operation

Volume of clean water tank: 9m³, volume of dustbin: 7m³ the super-large capacity effectively prolongs the operation time; one continuous sprinkling operation time is 75min; the large-angle slope sewage tank structure, combined with the narrow back door structure, realizes rapid sewage discharge.

Safe, reliable and longer-lasting

Low water level voice alarm, pump water shortage protection; sewage tank lifting and falling safety self-locking protection; imported core components are adopted to ensure durability.

Intelligent operation, easy operation

The multifunctional operation device layout is adopted, with a high sewage absorption rate; the cleaning mechanism and side spray rod are automatically reset to avoid obstacles; the nozzle sprays water mist to achieve dust reduction and improve operation efficiency.

Large console screen and easy operation

Equipped with an integrated dedicated display screen, one-click operation; real-time grasp of the operating status; free switching of operating modes.

Complete functions, one vehicle for multiple purposes

It has 9 operation modes and 3 operation intensity levels, with high practicability at sites; it has multiple operation functions such as high-pressure self-cleaning and handheld spray gun. One vehicle for multiple purposes.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5185TXSDF6
	Chassis model	/	DFH1180EX8Dongfeng Tianjin
	Engine power	kW	169/Cummins
	Transmission model	/	8JS95/ Fast
	Gross mass	kg	18,000
	Curb weight	kg	11,250
	Overall dimensions (L×W×H)	mm	8,600×2,500×3,130
	Wheelbase	mm	5,000
Operation Performance Parameters	Volume of dustbin	m ³	9
	Volume of clean water tank	m ³	7
	Cleaning speed	km/h	3-20
	Maximum sweeping capacity	m ² /h	70,000
	Maximum continuous water spraying time	min	75
	Pavement sweeping width	m	3.5
	Cleaning speed	km/h	3-15
	Unloading angle	°	48

Performance Feature
性能特点

18T Fuel road sweeper

Professional chassis, reliable and durable

The chassis is modified from ZZ1187K511JF1 China V Type II chassis of Sinotruk Jining Co., Ltd., with Weichai WP7H245E62 diesel engine as standard configuration, maximum power of 180kW, maximum torque of 1,000N·m, 275/80R22.518PR tires and wheel base of 5,100mm

High-performance sweeping system

The vehicle utilizes the operating device layout mode of "two central vertical sweepers + central wide suction nozzle + V-shaped high pressure spray rod", which has the characteristics of centralized operating devices and constant ground clearance of suction nozzle. This arrangement enables the cleaning system to switch between sweeping, road sweeping and cleaning functions, integrating road sweeping and cleaning functions, realizing multiple uses of one vehicle.

Mature dustbin structure with large volume

The dustbin utilizes a single-layer stainless steel corrugated structure design, which is beautiful and has high strength; the bin can realize large-angle tipping unloading, and with the sloped sewage box structure, it is convenient to automatically unload the deposited sediment and garbage in the sewage; the dustbin is equipped with a high-pressure self-cleaning spray rod, which can automatically clean the sewage tank after dumping the garbage. The bin is also equipped with a full tank alarm device, achieving intelligent cleaning of the bin and monitoring reminders for wastewater collection.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYS5185TXSZQ6
	Chassis model	/	ZZ1187K511JF1 SINOTRUK HOWO
	Engine power	kW	180/Weichai
	Transmission model	/	HW08C/SINOTRUK
	Gross mass	kg	18,000
	Curb weight	kg	11,750
	Overall dimensions (L×W×H)	mm	8,900×2,470×3,150
	Wheelbase	mm	5,100
Operation Performance Parameters	Volume of dustbin	m³	9
	Volume of clean water tank	m³	7
	Cleaning speed	km/h	8
	Maximum sweeping capacity	m²/h	70,000
	Maximum continuous water spraying time	min	75
	Pavement sweeping width	m	3.4
	Cleaning speed	km/h	3-15
	Unloading angle	°	48

PART 2 创新·产品篇
INNOVATE

01 Pavement cleaning



04 Fuel sweeper truck
18T

SYS5185TXSZQ6 fuel sweeper truck is a special sweeping vehicle for urban sanitation, which adopts ZZ1187K511JF1 chassis produced by CNHTC Jining Commercial Vehicle Co., Ltd. The vehicle features excellent performance, providing comfortable driving experience. It is a cleaning vehicle that integrates the functions of a sweeper truck and a high-pressure cleaning vehicle. It is very suitable for long-distance, high-cleanliness sweeping and cleaning operations on pavements and curbs such as urban trunk roads and city squares; this sweeper truck adopts an advanced and efficient pneumatic conveying system with high superstructure space utilization, so that the total volume of the clean water tank can reach 9m³ and the total volume of sewage tank can reach 7m³.

PART 2 创新·产品篇
INNOVATE

01 Pavement cleaning



05 Fuel sweeper truck
18T

SYS5185TXSLQ6 fuel sweeper truck is a special sweeping vehicle for urban sanitation, which adopts LZ1186M3ACT chassis produced by Dongfeng Liuzhou Motor Co., Ltd. The vehicle features excellent performance, providing comfortable driving experience. It is a cleaning vehicle that integrates the functions of a sweeper truck and a high-pressure cleaning vehicle. It is very suitable for long-distance, high-cleanliness sweeping and cleaning operations on pavements and curbs such as urban trunk roads and city squares; this sweeper truck adopts an advanced and efficient pneumatic conveying system with high superstructure space utilization, so that the total volume of the clean water tank can reach 9m³ and the total volume of sewage tank can reach 7m³.

Performance Feature
性能特点

18T Fuel sweeper truck

Professional chassis, with strong power

The chassis is modified from the LZ1186M3ACT China VI Type II chassis of Dongfeng Liuzhou Motor Co., Ltd., with Yuchai YCS06230-61 diesel engine as standard configuration. Maximum power 169kW, maximum torque 800N·m, 275/80R22.518PR tires, and wheelbase 5100mm.

High-performance sweeping system

The vehicle utilizes the operating device layout mode of "two central vertical sweepers + central wide suction nozzle + V-shaped high pressure spray rod", which has the characteristics of centralized operating devices and constant ground clearance of suction nozzle. This arrangement enables the cleaning system to switch between sweeping, road sweeping and cleaning functions, integrating road sweeping and cleaning functions, realizing multiple uses of one vehicle.

Mature dustbin structure with large volume

The dustbin utilizes a single-layer stainless steel corrugated structure design, which is beautiful and has high strength; the bin can realize large-angle tipping unloading, and with the sloped sewage box structure, it is convenient to automatically unload the deposited sediment and garbage in the sewage; the dustbin is equipped with a high-pressure self-cleaning spray rod, which can automatically clean the sewage tank after dumping the garbage. The bin is also equipped with a full tank alarm device, achieving intelligent cleaning of the bin and monitoring reminders for wastewater collection.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYS5185TXSLQ6
	Chassis model	/	LZ1186M3ACT Dongfeng Liuzhou Motor
	Engine power	kW	169/Yuchai
	Transmission model	/	8JS85E-C/Fast
	Gross mass	kg	18,000
	Curb weight	kg	11,750
	Overall dimensions (L×W×H)	mm	8,780×2,490×3,110
	Wheelbase	mm	5,100
Operation Performance Parameters	Volume of dustbin	m ³	9
	Volume of clean water tank	m ³	7
	Cleaning speed	km/h	3-20
	Maximum sweeping capacity	m ² /h	70,000
	Maximum continuous water spraying time	min	75
	Pavement sweeping width	m	3.5
	Cleaning speed	km/h	3-15
	Unloading angle	°	48

PART 2 创新·产品篇 INNOVATE

01 Pavement cleaning



06 Fuel road sweeper

7T

SYR5075TSLFT6 fuel road sweeper is a diesel road sweeper developed by SANY Environment, with the chassis meeting China VI emission standards and the superstructure meeting China IV emission standards. This model adheres to the company's design concept of low energy consumption, high performance, large capacity and lightweight, providing customers with road sweeper products that are efficient and energy-saving, beautiful and durable, safe to operate, environmentally friendly with low noise, stable and reliable, and after-sales service is guaranteed. It is modified with high-end Foton Linghang China VI emission diesel chassis specially used for sanitation. It has the functions of low dust cleaning, sweeping, strong and efficient adsorption, fallen leaf collection, large-capacity storage and transportation, etc. The whole vehicle features low cost, strong operating capacity and excellent performance. It is the preferred product for cleaning and sweeping operations on urban roads, parks, factories and other working conditions.

Performance Feature 性能特点

7T Fuel road sweeper

Professional chassis

Special China VI emission diesel chassis for sanitation; integrated man-machine design of chassis and cab, featuring a tiltable cab for easier maintenance; it has a seating capacity of three people, allowing one more person to be carried compared to a two-seater model.

Mature tank structure

Large volume: clean water tank: 1m³, sewage tank: 4m³; long operation time: single continuous operation time 60min; simple and beautiful modeling: two-section tank with single-layer stainless steel corrugated structure.

Excellent accessories, complete functions

Imported core accessories: hydraulic cylinder key seals, suction disks and suction cups are imported to ensure their reliability; self-locking protection: sewage tank lifting and falling safety protection to ensure safe operation; double-layer stainless steel sewage suction pipe: higher strength, better performance, inner diameter 200mm. Larger particles can be absorbed.

Good operation supporting facilities and high cleaning efficiency

Center-mounted four sweeping disk: It features a single-side sweeping mode, with the front sweeping mechanism using a single oil cylinder and spring chain for assisted extension; spray dust suppression of electric drive diaphragm pump; use of copper nozzles, 4 sweeping discs and 4 straws; optimized design of suction disk structure: three-wheel support, improving the air suction duct and air path at the same time to improve the adsorption performance, the cleanliness rate under standard working conditions is ≥95%; convenient and fast unloading: The comprehensive unloading angle is ≥47°, and the rear door opening angle is ≥85°.

Intelligent operation, easy and efficient

The cab is equipped with an integrated special display screen, which makes it easy for the driver to operate; real-time grasp of operation status: view the operation status in real time and monitor the whole process to achieve the best operation effect; free switching of operation modes: freely switch different modes according to the use conditions, and start the operation with one button according to the mode, enriching application scenarios and improving operation efficiency.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5075TSLFT6
	Chassis model	/	BJ1076VEJDA-51/BAIC Foton
	Engine power	kW	85/QUANCHAI Q23-115C60
	Transmission model	/	5TS32/WLY
	Gross mass	kg	7,360
	Curb weight	kg	5,600
	Overall dimensions (L×W×H)	mm	6,300×2,000×2,620
	Wheelbase	mm	3,360
Operation Performance Parameters	Volume of dustbin	m ³	4.3
	Volume of clean water tank	m ³	1.3
	Cleaning speed	km/h	3-20
	Maximum sweeping capacity	m ² /h	65,000
	Maximum continuous water spraying time	min	60
	Pavement sweeping width	m	3
	Cleaning speed	km/h	3-15
	Unloading angle	°	47

PART 2 创新·产品篇 INNOVATE

01 Pavement cleaning



07

Fuel road sweeper

18T

SYR5185TSLDF6 fuel road sweeper is a product developed by SANY Environment, focusing on low energy consumption, high performance, lightweight and large capacity design. It provides customers with efficient, energy-saving, beautiful, easy to use and environmentally friendly road sweeping solutions. It is suitable for cleaning operations in main roads, elevated roads, ring roads, squares, industrial parks, factories, suburban highways, national highways and other areas in the south and humid environments, as well as the working conditions where it is impossible to dump garbage or add clean water in the middle. At the same time, it is also suitable for the situation that water resources are relatively scarce and other special circumstances where sweeper trucks are not suitable. It is modified with Dongfeng Tianjin China VI diesel chassis dedicated to high-end sanitation, which has the functions of dust reduction and cleaning, strong and efficient adsorption, fallen leaves collection, large-capacity storage and transfer. With low vehicle cost and strong operation ability, it is the first choice for large-scale cleaning operations on urban roads, parks, highways, etc.

Performance Feature 性能特点

18T Fuel road sweeper

Professional chassis

Reconstructed from Dongfeng Tianjin Type II chassis, it is specially used for sanitation products. It is reliable and durable, with strong power, superior performance, small displacement, low fuel consumption, energy saving and environmental protection.

Super-large volume, ultra-long operation

Volume of clean water tank: 4m³, volume of dustbin: 8.5m³; one continuous water spraying operation time: 4 hours; the bottom plate of the garbage container is a large flat inclined plate with a comprehensive unloading angle of 47°, which makes unloading convenient and fast.

Efficient operation system

The center-mounted four sweeping disks and the rear-mounted full-floating single-suction narrow suction disk are adopted to combine sweeping and suction, with good cleaning and adsorption effects and high cleanliness rate. Automatic obstacle avoidance and automatic reset can be realized during operation. The dust reduction low-pressure water line system adopts electric diaphragm pump for spraying and wet dust removal.

Intelligent control

The integrated large console screen is adopted, which integrates operation control and status monitoring. It is easy to operate and highly intelligent.

Safe, reliable and longer-lasting

Voice alarm function: Equipped with voice alarm functions including clear water status, fault status, and important operations that may cause harm to the environment or personnel; interlock protection: equipped with dustbin lifting and falling safety protection, such as interlock protections that prevent the dustbin from being lifted if the rear door is not opened, and prevent it from being lowered if the support rods are not retracted, ensuring operational safety.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5185TSLDF6
	Chassis model	/	DFH1180EX8/Dongfeng Tianjin
	Engine power	kW	169/Cummins B6.2NS6B230
	Transmission model	/	8JS95/ Fast
	Gross mass	kg	18,000
	Curb weight	kg	10,500
	Overall dimensions (L×W×H)	mm	8,600×2,550×3,175
	Wheelbase	mm	5,000.0
Operation Performance Parameters	Volume of dustbin	m ³	8.5
	Volume of clean water tank	m ³	4
	Cleaning speed	km/h	3-20
	Maximum sweeping capacity	m ² /h	70,000
	Maximum continuous water spraying time	min	220
	Pavement sweeping width	m	3.5
	Cleaning speed	km/h	43-15
	Unloading angle	°	47

PART 2 创新·产品篇 INNOVATE

01 Pavement cleaning



08

Fuel Vacuum Cleaner

18T

SYR5185TXCDF6 fuel vacuum cleaner is a sweeping vehicle that integrates the functions of sweeper truck and high-pressure cleaning truck. It is suitable for long-distance and high-cleanliness cleaning operations on road surfaces and curbs such as urban main roads and city squares, especially applicable to cleaning work on seriously polluted road surfaces; It is a sanitation equipment tailored by SANY Environment for the high-end market. Its powerful functionality and ornamental appearance make it a well-deserved "Chief Urban Beautician".

Performance Feature 性能特点

18T Fuel Vacuum Cleaner

Professional chassis

Dongfeng China VI emission diesel chassis and DCEC main engine are adopted, with strong power, safety and reliability, and guaranteed after-sales service.

Powerful functions and complete configuration

It has many functions such as strong and deep cleaning and suction, garbage collection and transfer, fixed-point unloading, hand-held straw operation (optional), hand-held spray gun (optional) cleaning. Cylinder control, manual dry and wet switching button; automatic dust removal device, one-key operation, easy to use.

Large display screen, easy to operate

The high-end display screen integrates operation control and image monitoring, which is convenient and fast to operate, with safe and worry-free driving; one-button control, memory operation mode.

Super-large volume and large dust removal area

The dustbin has a volume of 10.8m³ and an effective volume of 6m³; the internal length of the dustbin is 3m, with three sections and four rows of 12 filter elements arranged longitudinally, and the dust removal area is as high as 180m².

Safe, reliable and durable

The clean water tank is made of Q235B material, and the dustbin is made of 304 stainless steel with bending design, high strength, corrosion resistance and long service life; the filter element is made of imported materials with good filtering effect; safety interlock device, self-locking protection.

Optimized suction disk, high cleanliness rate

The suction disk adopts an optimized design structure of "center-mounted main suction disk + front rubber plate flip + left and right auxiliary suction disks", with automatic obstacle avoidance and automatic reset functions; the suction disk structure uses CFD flow field analysis to assist in design to improve operating performance.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5185TXCDF6
	Chassis model	/	DFH1180EX8/Dongfeng Commercial Vehicle
	Engine power	kW	169/DCEC B6.2NS6B230
	Transmission model	/	8JS95/ Fast
	Gross mass	kg	18,000
	Curb weight	kg	9,950
	Overall dimensions (L×W×H)	mm	8,275×2,500×3,035
	Wheelbase	mm	5,000
Operation Performance Parameters	Effective dustbin volume	m ³	6
	Volume of clean water tank	m ³	2
	Dust removal area	m ²	180
	Maximum sweeping capacity	m ² /h	85,000
	Cleaning speed	km/h	3-25
	Unloading and dust reduction time	min	≥30
	Operation width	m	3.4

Performance Feature
性能特点

18T Fuel sprinkler

Complete configuration and comprehensive functions

8m sector water shovel flushing; 24m impinging water stream flushing; 14m sector water curtain sprinkling; 38m range water monitor, which can be used for fire fighting; greening and shrub watering are optional; pressure water source connector is available; 38m range intelligent automatic water monitor is optional, saving one operator.

Special chassis, super-large capacity

High load-bearing chassis, more loading mass, industry-leading container volume, and industry-leading continuous water spraying operation time for a single tank of water; the entire water tank adopts electrophoresis pretreatment process and sprayed glass flake internal anti-corrosion, which is durable.

Optimal selection of suppliers with excellent quality

Selected Qiaonan nozzles, water monitors, WLOONG water pumps, EAST ball valves and STNC pneumatic valve groups with first-class quality and reliable performance.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5185GSSFT6
	Chassis model	/	BJ1184VKPFG-02 BAIC Foton
	Engine power	kW	147/Yuchai YCS04200-68
	Transmission model	/	8JS75TE/Fast
	Gross mass	kg	18,000
	Curb weight	kg	6850,7030
	Overall dimensions (L×W×H)	mm	8,490,8,080×2,470×2,850
	Wheelbase	mm	4,500
Operation Performance Parameters	Effective volume of water tank	m³	10.77
	Water pump flow	L/min	833
	Sprinkling width	m	≥14
	High-pressure water gun range (rear)	m	≥38
	Washing speed	km/h	3-25
	Rated speed	r/min	1,380
	Flushing width (nozzle)	m	≥8
	Flushing width (impinging)	m	≥24

PART 2 创新·产品篇
INNOVATE

01 Pavement cleaning



09 Fuel sprinkler
18T

SYR5185GSSFT6 fuel sprinkler is a highly reliable, large-capacity and lightweight multifunctional sprinkler independently developed and designed by SANY Environment. It adopts Foton BJ1184VKPFG—02 chassis, with excellent performance, comfortable driving and riding experience and good operating experience. It is suitable for urban road flushing, water spraying, dust suppression and cooling and green belt irrigation operations; Also suitable for construction sites, plant areas, coal mines and other road dust suppression and water spraying, and can also be used as an emergency fire-fighting water truck.

Performance Feature
性能特点 >>>

25T Fuel sprinkler

Famous chassis, super-large volume

Dongfeng special chassis for sanitation: It has high chassis popularity and market recognition, lightweight design of the whole vehicle, more loading mass and more energy-saving;
Super large water tank: The volume of the water tank is 18.2m³ with industry-leading continuous water spraying operation time for a single tank of water. The inner wall of the water tank adopts electrophoretic primer + glass flake primer, which has excellent corrosion resistance and is durable.

Optimal selection of suppliers with excellent quality

First-class quality suppliers in the industry: Selected Qiaonan nozzles, water monitors, EAST ball valves and STNC pneumatic valve groups with first-class quality and reliable performance.

Rich functions and complete configuration

8m sector water shovel flushing; 24m impinging water stream flushing; 14m sector water curtain sprinkling; 38m range water monitor, which can be used for fire fighting; pressure water source connector is available; 38m range intelligent water monitor is optional, saving one operator.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5255GSSDF6
	Chassis model	/	EQ1256GL6DJ1/Dongfeng Vasol
	Engine power	kW	180/Yuchai YCS06245-60
	Transmission model	/	8JS95E-C/Fast
	Gross mass	kg	25,000
	Curb weight	kg	9,250
	Overall dimensions (L×W×H)	mm	9600x2550x2900
	Wheelbase	mm	1,900+3,500
Operation Performance Parameters	Effective volume of water tank	m³	15.62
	Water pump flow	L/min	833
	Sprinkling width	m	≥14
	High-pressure water gun range (rear)	m	≥38
	Washing speed	km/h	3-25
	Rated speed	r/min	1,380.0
	Flushing width (nozzle)	m	≥8
	Flushing width (impinging)	m	≥24

PART 2 创新·产品篇
INNOVATE >>>

01 Pavement cleaning



10 Fuel sprinkler
25T

The SYR5255GSSDF6 fuel sprinkler is a high-quality multifunctional sprinkler independently developed and designed by SANY Environment. Adopting the design concept of high safety, excellent performance, reliable operation, large capacity and lightweight, we provide customers with beautiful, energy-efficient, safe, comfortable, stable and reliable fuel sprinklers, which are suitable for urban road flushing, water spraying, dust suppression and cooling and green belt irrigation operations; Also suitable for construction sites, plant areas, coal mines and other road dust suppression and water spraying, and can also be used as an emergency fire-fighting water truck.

PART 2 创新·产品篇
INNOVATE

02 Solid waste collection and transfer



11

Fuel van garbage truck

18T

SYS5185ZXL5Q6 is a new type of sealed garbage transfer vehicle developed by SANY Environment according to market demand. It is a supporting garbage transfer vehicle for the waste treatment plant and is mainly used to transfer compressed garbage from the vertical station to the waste treatment plant for automatic unloading. Loading, unloading and other operations can be completed by the driver alone on the vehicle or under the vehicle. It is a new type of garbage transfer vehicle that is environmentally friendly, easy to operate and reliable. The chassis adopts Shaanxi Automobile SX1180BP6501 industrial high-quality Type II chassis with mature technology, stable performance, reliability and strong chassis bearing capacity.

Performance Feature
性能特点

18T Fuel van garbage truck

Special chassis, with strong power

Shaanxi Automobile special chassis for sanitation is equipped with a Yuchai engine, featuring strong power, stable performance, safety and reliability. Its high carrying capacity greatly reduces the potential safety hazard caused by overload.

Multi-layer insurance to prevent escaping, spilling, dripping and leaking

Good sealing performance: The double guarantee mode of drainage in the sewage container and double-peak sealing strip at the rear door is adopted to prevent sewage leakage; Sewage collection: A sewage tank is set at the rear end of the carriage to collect sewage, thus completely preventing secondary pollution.

Multiple protection to ensure safety

Stable stay bar: A stay bar device is provided, which can lift and fix the carriage body during maintenance to prevent the lifting oil cylinder from accidentally retracting. Double-oil cylinder self-dumping: The bottom-mounted double-oil cylinder self-dumping structure is adopted to improve the stability and safety of the garbage truck when it is in a self-dumping mode.

Easy operation and use

Integrated operation: The cab is equipped with a carriage control box, which can control the lifting of the carriage and the opening and closing of the rear door. It is convenient to operate and conforms to ergonomics. Outside the cab: There is an electronically controlled pneumatic multi-way valve operating handle outside the cab, which can also be operated off the car.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYS5185ZXL5Q6
	Chassis model	/	SX1180BP6501 SAGMOTO
	Engine power	kW	147/Yuchai
	Transmission model	/	8JS75C/Fast
	Gross mass	kg	18,000
	Curb weight	kg	8,200/7,600
	Overall dimensions (L×W×H)	mm	7,730, 7,180×2,550×3,140
	Wheelbase	mm	4,500/3,950
	Front suspension/rear suspension	mm	1,300/1,930
	Approach angle/departure angle	°	24/18
	Maximum gradeability	%	30
	Maximum speed	km/h	89
	Minimum turning diameter	m	16.3
Operation Performance Parameters	Carriage volume	m ³	20/16.8
	Height of dustbin floor from the ground (no load)	mm	1,350
	Cargo body dimension	mm	5,500/4,600×2,230×1,640
	Carriage lifting time	s	45
	Carriage lowering time	s	45
	Unloading cycle time	s	≤105
	Rear door opening time	s	7
	Rear door closing time	s	7

PART 2 创新·产品篇 INNOVATE

02 Solid waste collection and transfer



12

Fuel garbage truck with detachable compartment

18T

The SYS5180ZXXZQ6 garbage truck with detachable compartment is the mainstream product for environmental sanitation collection and transportation launched by SANY Environment. It is a garbage transfer vehicle supporting the garbage transfer station, which is mainly used for hermetically transferring domestic waste after compression and volume reduction in the garbage transfer station to the waste treatment plant. Loading, unloading, compartment unloading and other operations can be completed by the driver alone on the vehicle or under the vehicle. It is a new type of garbage transfer vehicle that is environmentally friendly, easy to operate and reliable. The chassis adopts the ZZ1187K511JF1 industrial high-quality Type II chassis of CNHTC Jining Commercial Vehicle Co., Ltd., which has mature technology, stable and reliable performance, and strong chassis bearing capacity.

Performance Feature 性能特点

18T Fuel garbage truck with detachable container

Special chassis, with strong power

SINOTRUK special chassis for sanitation is equipped with a Weichai engine and transmission components of famous brands, featuring strong power, stable performance, safety and reliability. Its high carrying capacity greatly reduces the potential safety hazard caused by overload.

Superior hook arm, trustworthy

The hook arm of a domestic famous brand is adopted; the key hydraulic and electrical accessories of the hook arm are sourced from internationally renowned brands and the key parts are made of S500MC high-strength steel; the key parts such as hook head and guide roller are made of high-strength precision castings, which has the advantages of high reliability and long service life.

Safe, reliable and durable

It is equipped with proximity switch sensing, and each action is interlocked to ensure safe and worry-free operation; a rear support structure is set at the tail to ensure that the compartment-hooking operation does not tilt, which is safe and reliable; the circuit controls the buffer valve in the hydraulic system so that the van can fall back smoothly and avoid rigid impact.

Efficient and convenient with quick release and fast movement

Large loading capacity and low operating cost: The dead weight is 3%-5% lighter than that of competitors, and the rated load mass is 3%-5% higher than that of competitors; high loading and unloading efficiency: hook the compartment for unloading quickly with the quick release and fast movement, and collection is flexible and convenient. The hydraulic plug fixing device for rear door opening and closing adopts patent technology, which is waterproof, dustproof, reliable and durable.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYS5180ZXXZQ6
	Chassis model	/	ZZ1187K511JF1/SINOTRUK HOWO
	Engine power	kW	180/Weichai
	Transmission model	/	HW08C/SINOTRUK
	Gross mass	kg	18,000
	Curb weight	kg	7,520
	Overall dimensions (L×W×H)	mm	7,260×2,530×3,040
	Wheelbase	mm	4,500
Operation Performance Parameters	Maximum gradeability	%	30
	Maximum speed	km/h	89
	Lifting capacity of pulling arm hook	t	14
	Compartment-hooking time	s	48
	Unloading time	s	62
	Unloading cycle time	s	95
	Height of hook center	mm	1,570
	Guide rail length	mm	1,070
	Unloading angle	°	49

PART 2 创新·产品篇 INNOVATE

02 Solid waste collection and transfer



13

Fuel garbage truck with detachable compartment

25T

SYR5250ZXXLQ6 fuel garbage truck with detachable container is the mainstream product for environmental sanitation, waste collection and transportation launched by SANY Environment. As a garbage transfer vehicle supporting the garbage transfer station, it is mainly used for hermetically transferring domestic waste after compression and volume reduction in the garbage transfer station to the waste treatment plant. Loading, unloading, container unloading and other operations can be completed by the driver alone on the vehicle or under the vehicle. It is a new type of garbage transfer vehicle that is environmentally friendly, easy to operate and reliable.

Performance Feature 性能特点

25T Fuel garbage truck with detachable container

High-quality chassis, with strong power

The standard configuration is Cummins 320 horsepower engine, with a maximum power of 231kw and stronger power; high-quality Type II chassis, with less modification and high corrosion resistance; shock-absorbing seats, full-floating cab in suspension, with electric window lifting, remote console lock, air conditioner; mature and reliable platform, which is easy to be maintained.

Superior hook arm, trustworthy

Key hydraulic and electrical accessories are sourced from internationally renowned brands with reliable quality; key parts are made of S500MC high-strength steel, which has strong load-bearing capacity, safety and reliability; key parts such as hook heads and guide rollers use high-strength precision castings to improve safety and extend service life.

Safe, reliable and durable

It is equipped with proximity switch, and each action is interlocked to ensure safe and worry-free operation; a rear support structure is set at the tail to ensure that the compartment-hooking operation does not tilt, which is safe and reliable; the circuit controls the buffer valve in the hydraulic system so that the van can fall back smoothly and avoid rigid impact.

Efficient and convenient with quick release and fast movement

Large loading capacity and low operating cost: The rated load mass is 3%-5% higher than that of competitors; high loading and unloading efficiency: hook the compartment for unloading quickly with the quick release and fast movement. The hydraulic plug fixing device for rear door opening and closing adopts patent technology, which is waterproof, dustproof, reliable and durable. No additional dust caps are required.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5250ZXXLQ6
	Chassis model	/	LZ1256H5DCT/Dongfeng Liuzhou Motor
	Engine power	kW	231/Dongfeng Cummins
	Transmission model	/	HW11708STC/Datong Gear
	Gross mass	kg	25,000
	Curb weight	kg	10,550
	Overall dimensions (L×W×H)	mm	8,590×2,545×3,135
	Wheelbase	mm	4,500+1,350
Operation Performance Parameters	Maximum gradeability	%	25
	Maximum speed	km/h	89
	Lifting capacity of pulling arm hook	t	20
	Compartment-hooking time	s	50
	Unloading time	s	62
	Unloading cycle time	s	100
	Height of hook center	mm	1,570
	Guide rail length	mm	1,070
	Unloading angle	°	49

PART 2 创新·产品篇
INNOVATE

02 Solid waste collection and transfer



14 Fuel garbage truck with detachable compartment
31T

SYR5310ZXXZQ6 garbage truck with detachable compartment is the mainstream product for environmental sanitation collection and transportation launched by SANY Environment. It is a garbage transfer vehicle supporting the garbage transfer station, which is mainly used for hermetically transferring domestic waste after compression and volume reduction in the garbage transfer station to the waste treatment plant. Loading, unloading, compartment unloading and other operations can be completed by the driver alone on the vehicle or under the vehicle. It is a new type of garbage transfer vehicle that is environmentally friendly, easy to operate and reliable.

Performance Feature
性能特点

31T Fuel garbage truck with detachable container

High-quality chassis, with strong power

Strong power and high load-bearing capacity: SINOTRUK HOWO high-quality Type II chassis, with a standard configuration of SINOTRUK 350 horsepower China VI engine, maximum power 257kw, maximum torque 1400N.m, strong power; powerful configuration and rich functions: equipped with original air conditioning, electric doors and windows, airbag shock-absorbing seats, multi-function steering wheel, console lock, cruise control, etc.

Professional hook arm with quality assurance

Hydraulic electrical parts are brand-name components; the main body is made of high-strength steel and key parts such as hook heads, are made of cast steel with a high-strength bearing capacity; a compartment's buffering and falling electrical system is set up to ensure a smooth and impact-free operation, with a longer service life.

Multiple protections, safe and reliable

Each action is interlocked to ensure safety; the oil circuit is equipped with multiple protections such as overload protection and explosion-proof locks, which are durable; a rear support structure is set at the tail to prevent the head from tilting.

Quick operation saves both worry and effort

It integrates loading, transportation and self-unloading. All hook arms can be controlled in the cab to form an integrated operation; the body is provided with a hydraulic interface to facilitate the opening and closing of the rear door of the compartment, and the joint is firmly fixed and convenient for collection.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5310ZXXZQ6
	Chassis model	/	ZZ1317N466GF1/SINOTRUK
	Engine power	kW	257/SINOTRUK
	Transmission model	/	HW13709XSTC2/SINOTRUK
	Gross mass	kg	31,000
	Curb weight	kg	13,130
	Overall dimensions (L×W×H)	mm	9560x2510x3100
	Wheelbase	mm	1,800+3,800+1,350
Operation Performance Parameters	Maximum gradeability	%	30
	Maximum speed	km/h	89
	Lifting capacity of pulling arm hook	t	26
	Compartment-hooking time	s	149 (idle)/73 (autothrottle)
	Unloading time	s	153 (idle)/76 (autothrottle)
	Unloading cycle time	s	267 (idle)/132 (autothrottle)
	Height of hook center	mm	1,570
	Guide rail length	mm	1,070
	Unloading angle	°	49

PART 2 创新·产品篇 INNOVATE

02 Solid waste collection and transfer



15

Fuel compression garbage truck

9T

SYR5095ZYSD6 fuel compression garbage truck is a mainstream product in the garage collection and transportation group launched by SANY Environment. It is mainly used for the scattered or centralized collection of domestic garbage in residential quarters, urban streets, hotels, government agencies and colleges, rural roads and other areas. While collecting the garbage, it simultaneously compresses the garbage to reduce the volume, and finally transfers the garbage to the transfer station or terminal treatment plant. It is currently the most ideal garbage disposal equipment integrating garbage collection, compression, transfer and self-dumping.

Performance Feature 性能特点

9T Fuel compression garbage truck

Large loading capacity and high transfer efficiency

Two-way compression technology: The hydraulic system and compress-filling mechanism are optimized, improving the single loading capacity. The layout is optimized: The push pedal cylinder is arranged obliquely, and the effective volume of the bin reaches 7.2m³. Two pumps converge: It can enable the synchronous feeding and compression, thus improving work efficiency.

Reliable quality and durability

The key components are selected from well-known brands in the industry at home and abroad, which are mature and reliable: the side plate of the box body is made of high-strength steel with strong corrosion resistance; the bottom arc plate of the precompressor adopts NM400 wear-resistant plate, which is durable and reliable; the sliding tube of the compression mechanism adopts BS700MC high-strength plate with high strength.

Multiple guarantees and reliable sealing

The automatic locking device of hydraulic lock is well sealed to prevent leakage; the anti-splashing structure prevents sewage from being thrown out during turning and emergency braking; the sewage collection device is an additional insurance to avoid secondary pollution.

Multiple guarantees for safer maintenance

It is provided with electrical protection, an emergency stop switch and a program to ensure safety. The unloading mode is interlocked with the loading mode, and the lifting of the precompressor is interlocked with the extension of the push shovel. The balance valve is added to the lifting cylinder to ensure components safety. Mechanical safety supports and structural members are added to protect personnel safety.

Strong adaptation to feeding mode Automatic backdoor

High adaptability and high compatibility allow easy loading into garbage bins of different specifications. Automatic backdoor: Precompressor back door has automatic cylinder opening and closing structure so that operation is easier and safer and garbage overflow is avoided and high sealing performance is provided.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5095ZYSD6
	Chassis model	/	EQ1095SJBCD2 Dongfeng Duolika
	Engine power	kw	115/Anhui Quanchai
	Transmission model	/	6TS55/WLY
	Gross mass	kg	9,100.0
	Curb weight	kg	6,130.0
	Overall dimension (L × W × H)	mm	6,930*2,300*2,575
	Wheelbase	mm	3,308.0
	Front suspension/rear suspension/backward extension	mm	1,130/2,112/380
Operation Performance Parameters	Effective dustbin volume	m ³	7.2
	Precompressor volume	m ³	0.8
	Sewage tank capacity	L	400
	Loading cycle time	s	≤17
	Loading cycle time	s	≤10
	Unloading cycle time	s	≤45

PART 2 创新·产品篇 INNOVATE

02 Solid waste collection and transfer



16

Fuel compression garbage truck

9T

SYS5095ZYSFT6 fuel compression garbage truck is a mainstream product in the garage collection and transportation group launched by SANY Environment. It is mainly used for the scattered or centralized collection of domestic garbage in residential quarters, urban roads, hotels, government agencies and colleges, rural roads and other areas. While collecting the garbage, it simultaneously compresses the garbage to reduce the volume, and finally transfers the garbage to the transfer station or terminal treatment plant. It is currently the most ideal garbage disposal equipment integrating garbage collection, compression, transfer and self-dumping.

Performance Feature 性能特点

9T Fuel compression garbage truck

Special chassis, with strong power

Foton special chassis for sanitation is equipped with a Quanchai engine, featuring stable performance, safety and reliability. Its high carrying capacity greatly reduces the potential safety hazard caused by overload.

Large loading capacity and high transfer efficiency

The hydraulic system and compress-filling mechanism are optimized, improving the single loading capacity. The push pedal cylinder is arranged obliquely, and the effective volume of the bin reaches 7m. Two pumps converge: It can enable the synchronous feeding and compression, thus improving work efficiency.

Reliable quality and durability

The key components are selected from well-known brands in the industry at home and abroad, which are mature and reliable; the side plate of the box body is made of high-strength steel with strong corrosion resistance.

Multiple guarantees and reliable sealing

The automatic locking device of hydraulic lock is well sealed to prevent leakage; the anti-splashing structure prevents sewage from being thrown out during turning and emergency braking; the sewage collection device is an additional insurance to avoid secondary pollution.

Strong adaptation to feeding mode Automatic backdoor

It is suitable for garbage bins of different specifications, and has high adaptability to all kinds of garbage feeding work. When the automatic backdoor is equipped with a feeding mechanism, the double cylinder of the precompressor can control the automatic opening and closing of the backdoor and features beautiful appearance, convenient operation and good sealing performance.

Multiple guarantees for safer maintenance

It is provided with electrical protection, an emergency stop switch and a program to ensure safety. The unloading mode is interlocked with the loading mode, and the lifting of the precompressor is interlocked with the extension of the push shovel. The balance valve is added to the lifting cylinder to ensure components safety. Mechanical safety supports and structural members are added to protect personnel safety.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYS5095ZYSFT6
	Chassis model	/	BJ1096VEJDA-50 Foton Times
	Engine power	kw	116/Anhui Quanchai
	Transmission model	/	6GS46/WLY
	Gross mass	kg	9,100.0
	Curb weight	kg	6,230.0
	Overall dimension (L × W × H)	mm	6,940×2,160×2710
	Wheelbase	mm	3,360.0
	Front suspension/rear suspension/backward extension	mm	1,100/2,140/340
Operation Performance Parameters	Effective dustbin volume	m ³	7
	Precompressor volume	m ³	0.8
	Sewage tank capacity	L	280
	Loading cycle time	s	≤20
	Loading cycle time	s	≤10
	Unloading cycle time	s	≤45

PART 2 创新·产品篇 INNOVATE

02 Solid waste collection and transfer



17 Fuel compression garbage truck

8T

SYS5085ZYSSD6 fuel compression garbage truck is a mainstream product in the garage collection and transportation group launched by SANY Environment. It is mainly used for the scattered or centralized collection of domestic garbage in residential quarters, urban roads, hotels, government agencies and colleges, rural roads and other areas. While collecting the garbage, it simultaneously compresses the garbage to reduce the volume, and finally transfers the garbage to the transfer station or terminal treatment plant. It is currently the most ideal garbage disposal equipment integrating garbage collection, compression, transfer and self-dumping.

Performance Feature 性能特点

8T Fuel compression garbage truck

Special chassis, with strong power

SAIC special chassis for sanitation is equipped with a Quanchai engine, featuring stable performance, safety and reliability. Its high carrying capacity greatly reduces the potential safety hazard caused by overload.

Large loading capacity and high transfer efficiency

The hydraulic system and compress-filling mechanism are optimized, improving the single loading capacity. The push pedal cylinder is arranged obliquely, and the effective volume of the bin reaches 7m. Two pumps converge: It can enable the synchronous feeding and compression, thus improving work efficiency.

Reliable quality and durability

The key components are selected from well-known brands in the industry at home and abroad, which are mature and reliable; the side plate of the box body is made of high-strength steel with strong corrosion resistance.

Multiple guarantees and reliable sealing

The automatic locking device of hydraulic lock is well sealed to prevent leakage; the anti-splashing structure prevents sewage from being thrown out during turning and emergency braking; the sewage collection device is an additional insurance to avoid secondary pollution.

Strong adaptation to feeding mode Automatic backdoor

It is suitable for garbage bins of different specifications, and has high adaptability to all kinds of garbage feeding work. When the automatic backdoor is equipped with a feeding mechanism, the double cylinder of the precompressor can control the automatic opening and closing of the backdoor and features beautiful appearance, convenient operation and good sealing performance.

Multiple guarantees for safer maintenance

It is provided with electrical protection, an emergency stop switch and a program to ensure safety. The unloading mode is interlocked with the loading mode, and the lifting of the precompressor is interlocked with the extension of the push shovel. The balance valve is added to the lifting cylinder to ensure components safety. Mechanical safety supports and structural members are added to protect personnel safety.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYS5085ZYSSD6
	Chassis model	/	SH1083ZFDDWZ2 SAIC Yuejin
	Engine power	kw	114/Kunming Yunnei
	Transmission model	/	6GS46/WLY
	Gross mass	kg	8,275.0
	Curb weight	kg	6,380.0
	Overall dimension (L × W × H)	mm	6926x2200x2720
	Wheelbase	mm	3,308.0
	Front suspension/rear suspension/backward extension	mm	1,118/2,150/350
Operation Performance Parameters	Effective dustbin volume	m ³	7
	Precompressor volume	m ³	0.8
	Sewage tank capacity	L	280
	Loading cycle time	s	≤20
	Loading cycle time	s	≤10
	Unloading cycle time	s	≤45

PART 2 创新·产品篇 INNOVATE

02 Solid waste collection and transfer



18

Fuel compression garbage truck

18T

SYR5185ZYSD6 fuel compression garbage truck is a mainstream product in the garage collection and transportation group launched by SANY Environment. It is mainly used for the scattered or centralized collection of domestic garbage in residential quarters, urban streets, hotels, government agencies and colleges, rural roads and other areas. While collecting the garbage, it simultaneously compresses the garbage to reduce the volume, and finally transfers the garbage to the transfer station or terminal treatment plant. It is currently the most ideal garbage disposal equipment integrating garbage collection, compression, transfer and self-dumping. The back-loading feeding mode and two-way compression technology are adopted for the vehicle, which is characterized by large loading capacity, high loading efficiency, high bearing capacity, reliability and durability.

Performance Feature 性能特点

18T Fuel compression garbage truck

Special chassis, with strong power

Equipped with Dongfeng Tianjin special chassis for environmental sanitation and Dongfeng Cummins engine, it has stable performance, and is safe and reliable with high carrying capacity, which greatly reduce the potential safety hazard of overloading.

Large loading capacity and high transfer efficiency

The hydraulic system and compress-filling mechanism are optimized, improving the single loading capacity. The push pedal cylinder is arranged obliquely, and the effective volume of the bin reaches 13.2m. Two pumps converge: It can enable the synchronous feeding and compression, thus improving work efficiency.

Reliable quality and durability

The key components are selected from well-known brands in the industry at home and abroad, which are mature and reliable; the side plate of the box body is made of high-strength steel with strong corrosion resistance; the bottom arc plate of the precompressor adopts NM400 wear-resistant plate, which is durable and reliable; the sliding tube of the compression mechanism adopts BS700MC high-strength plate with high strength.

Multiple guarantees and reliable sealing

The automatic locking device of hydraulic lock is well sealed to prevent leakage; the anti-splashing structure prevents sewage from being thrown out during turning and emergency braking; the sewage collection device is an additional insurance to avoid secondary pollution.

Strong adaptation to feeding mode Automatic backdoor

It is suitable for garbage bins of different specifications, and has high adaptability to all kinds of garbage feeding work. When the automatic backdoor is equipped with a feeding mechanism, the double cylinder of the precompressor can control the automatic opening and closing of the backdoor and features beautiful appearance, convenient operation and good sealing performance.

Multiple guarantees for safer maintenance

It is provided with electrical protection, an emergency stop switch and a program to ensure safety. The unloading mode is interlocked with the loading mode, and the lifting of the precompressor is interlocked with the extension of the push shovel. The balance valve is added to the lifting cylinder to ensure components safety. Mechanical safety supports and structural members are added to protect personnel safety.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYR5185ZYSD6
	Chassis model	/	DFH1180EX8/Dongfeng Tianjin
	Engine power	kw	169/Dongfeng Cummins
	Transmission model	/	8JS95/ Fast
	Gross mass	kg	18,000.0
	Curb weight	kg	10,200.0
	Overall dimension (L × W × H)	mm	9,120×2,500×3,220
	Wheelbase	mm	4,500.0
	Front suspension/rear suspension/backward extension	mm	1,430/2,800/390
Operation Performance Parameters	Effective dustbin volume	m ³	13.2
	Precompressor volume	m ³	1.8
	Sewage tank capacity	L	830
	Loading cycle time	s	≤23
	Loading cycle time	s	≤10
	Unloading cycle time	s	≤55

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02 Solid waste collection and transfer



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Fuel compression garbage truck

18T

SYS5185ZYSZQ6 fuel compression garbage truck is a mainstream product in the garage collection and transportation group launched by SANY Environment. It is mainly used for the scattered or centralized collection of domestic garbage in residential quarters, urban roads, hotels, government agencies and colleges, rural roads and other areas. While collecting the garbage, it simultaneously compresses the garbage to reduce the volume, and finally transfers the garbage to the transfer station or terminal treatment plant. It is currently the most ideal garbage disposal equipment integrating garbage collection, compression, transfer and self-dumping.

Performance Feature 性能特点

18T Fuel compression garbage truck

Special chassis, with strong power

SINOTRUK special chassis for sanitation is equipped with a Quanchai engine, featuring stable performance, safety and reliability. Its high carrying capacity greatly reduces the potential safety hazard caused by overload.

Large loading capacity and high transfer efficiency

The hydraulic system and compress-filling mechanism are optimized, improving the single loading capacity. The push pedal cylinder is arranged obliquely, and the effective volume of the bin reaches 14m. Two pumps converge: It can enable the synchronous feeding and compression, thus improving work efficiency.

Reliable quality and durability

The key components are selected from well-known brands in the industry at home and abroad, which are mature and reliable; the side plate of the box body is made of high-strength steel with strong corrosion resistance.

Multiple guarantees and reliable sealing

The automatic locking device of hydraulic lock is well sealed to prevent leakage; the anti-splashing structure prevents sewage from being thrown out during turning and emergency braking; the sewage collection device is an additional insurance to avoid secondary pollution.

Strong adaptation to feeding mode Automatic backdoor

It is suitable for garbage bins of different specifications, and has high adaptability to all kinds of garbage feeding work. When the automatic backdoor is equipped with a feeding mechanism, the double cylinder of the precompressor can control the automatic opening and closing of the backdoor and features convenient operation and good sealing performance.

Multiple guarantees for safer maintenance

It is provided with electrical protection, an emergency stop switch and a program to ensure safety. The unloading mode is interlocked with the loading mode, and the lifting of the precompressor is interlocked with the extension of the push shovel. The balance valve is added to the lifting cylinder to ensure components safety. Mechanical safety supports and structural members are added to protect personnel safety.

	Item	Unit	Parameters
Vehicle Parameters	Declared model	/	SYS5185ZYSZ06
	Chassis model	/	ZZ1187K511JF1/SINOTRUK HOWO
	Engine power	kw	180/Weichai Power
	Transmission model	/	HW08C/SINOTRUK
	Gross mass	kg	18,000.0
	Curb weight	kg	10,270.0
	Overall dimension (L × W × H)	mm	8950x2550x3300
	Wheelbase	mm	4,500.0
	Front suspension/rear suspension/backward extension	mm	1,550/2,560/340
Operation Performance Parameters	Effective dustbin volume	m ³	14
	Precompressor volume	m ³	14
	Sewage tank capacity	L	580
	Loading cycle time	s	≤20
	Loading cycle time	s	≤10
	Unloading cycle time	s	≤55

PART 3 无忧·服务篇 NON-SORROW

1 Full-cycle service

For customers with more than 30 vehicles, hotel and car following services can be provided to safeguard the vehicles.
Energy-saving driving training for drivers, daily vehicle maintenance training, drivers' vehicle Q&A and other services are provided free of charge.

2 Service Advantage

Service guarantee: More than 1700 service outlets and 28 social center libraries have been established nationwide.
Talent guarantee: SANY Polytechnic College aims to train technical service personnel for new energy vehicles and cultivates more professional service teams.

Work with SANY



For a Worry-free Life



1700+

Service Center



7000+

Technical service personnel



24h

365×24 full-time service



15min

Reply to customer



Within 2 hours

Arrival at the site



Within 1 day

Provide common repair parts



Within 2 days

Resolve customer complaints



Within 2 weeks

Service Center

DISCOVERY·FUTURE>>>

DISCOVERY FUTURE

SANY contributes to improving the living environment and creating a better life>>>

Sanitation Business>

SANY contributes to protecting the city's blue sky and green mountains and clear waters>>>

New Energy Transformation of Sanitation Equipment>

SANY contributes to the upgrading of sanitation equipment industry in China and the world>>>

Networked, Digitalized, Intelligent and Unmanned Equipment>

