

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



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.