

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