



02 Solid wastes collection and transfer

01 Electric Low-entry Compression
Garbage Truck
12T

The electric low-entry compression garbage truck from SANY Environment represents the mainstream product among the new generation of pure electric environmental sanitation collection and transportation vehicles. It is designed for the flow or centralized collection of domestic waste in various locations such as residential quarters, urban streets, hotels, government agencies, colleges, and rural roads.

This truck efficiently compresses waste during collection and transports it to transfer stations or terminal treatment plants. It currently stands as the most ideal waste treatment equipment, combining waste collection, compression, transfer, and self-dumping functionalities. This truck features a self-developed low-entry chassis and a rear loading truck body. Boasting remarkable advantages such as high safety standards, large loading capacity, minimal noise levels, high efficiency, and exceptional reliability and durability.

Performance Feature

12T Electric Low-entry Compression Garbage Truck

Self-developed chassis,
convenient and safe

Low entry, one-step boarding and upright driving are easier and safer; field of vision is extended by more than 25% and automatic parking is applied; loading capacity is increased by 20%; zero modifications: electric leakage, air leakage, rust and fracture are avoided; liquid-cooled battery is more durable and increases service life by 20%.

Super-large volume for efficient
operation

Integrated whole vehicle design maximizes utilization of space; the newest lifting technology in the country is applied which allows faster loading and higher efficiency; the maximum loading capacity, can effectively reduce frequency of collection and transport and improve work efficiency.

Ultra-low noise to avoid
environmental disturbance

Low-noise pump is used, displacement and speed are re-matched, low-noise working range is applied to reduce noise; proportional valve and system control logic is optimized to allow accurate speed control in different operating conditions and reduce impact; buffer cylinder technology is developed to provide buffering at start and stop to reduce noise.

Garbage visualization and
intelligent operation

Visualized garbage volume and real-time display of garbage loading position allows easier operation; the weighing system provides accurate data for management and allows more intelligent operation; reverse monitoring allows pleasing use of the vehicle.

Reliability and longevity

Key hydraulic-electric components are from well-known brands in the industry, which are sophisticated and reliable; high-strength plates are used for key parts; NM450 is used for arc plate at precompressor bottom so that wear resistance is up to 3-5 times that of ordinary carbon steel; slider s made of ultra-high molecular polyethylene, which has higher wear resistance, corrosion resistance and water resistance.

Upgraded configuration, convenient
and easy to use

Garbage bin hanging operation is changed from knob operation to handle operation, which makes the operation easier and more reliable; standard pneumatic control in automatic mode for rear door opening allows safer and easier operation; maintenance-free design saves time and labor for sanitation operations.

	Item	Unit	Parameter
Truck parameters	Declared model	/	SY5120ZYSSYBBEV
	Chassis model	/	SANY environmental sanitation chassis SYM1122T1BEVL1
	Total mass	kg	12495
	Curb weight	kg	8650
	L×W×H	mm	7630×2300×2790
	Total capacity of power battery	kW.h	163/CALB
	Approach/departure angle	°	13/15
	Front suspension/rear suspension	mm	1750/2205
Operating performance parameters	Effective volume of garbage container	m ³	8.5
	Volume of precompressor	m ³	1.4
	Volume of sewage tank	L	520
	Loading cycle time	s	≤13
	Loading cycle time	s	≤9
	Unloading cycle time	s	≤45
	Charging time	h	1.2-1.5