YSG10 10M3 REFUSE COMPACTOR SPEC



徐州徐工环境技术有限公司

PRODCUT INTRO

YSG10 garbage truck is an important specialized transportation and operation vehicle launched by XCMG Group for modern urban garbage collection and removal. The vehicle is fully sealed, self-compressed, self-dumped, and the sewage flows into a dedicated sewage tank, which completely solves the secondary pollution of garbage transportation. This product is more energy-saving and economical, with easy operation and small working space. It can be maneuvered, flexible and efficient to complete the collection and removal of garbage on both sides of the street, residential areas, schools, hospitals and other densely populated areas.。



整车布局图 PRODUCT LAYOUT

APPLICATION

1.XCMG garbage truck is a special sanitation vehicle for efficient collection, compression and transportation of garbage. Compression garbage truck has the characteristics of high pressure, good sealing, large loading capacity, convenient operation and good environmental protection. It can avoid secondary pollution caused by leakage along the way during garbage collection and transportation, and is an ideal equipment for sanitation work.

2.It is mainly suitable for the collection and removal of domestic garbage, and is used in densely populated areas such as both sides of the street, residential areas, schools and hospitals. The operation mode is shown in Figure 1-2.

3.Inapplicable working conditions:

4.1. Construction waste;

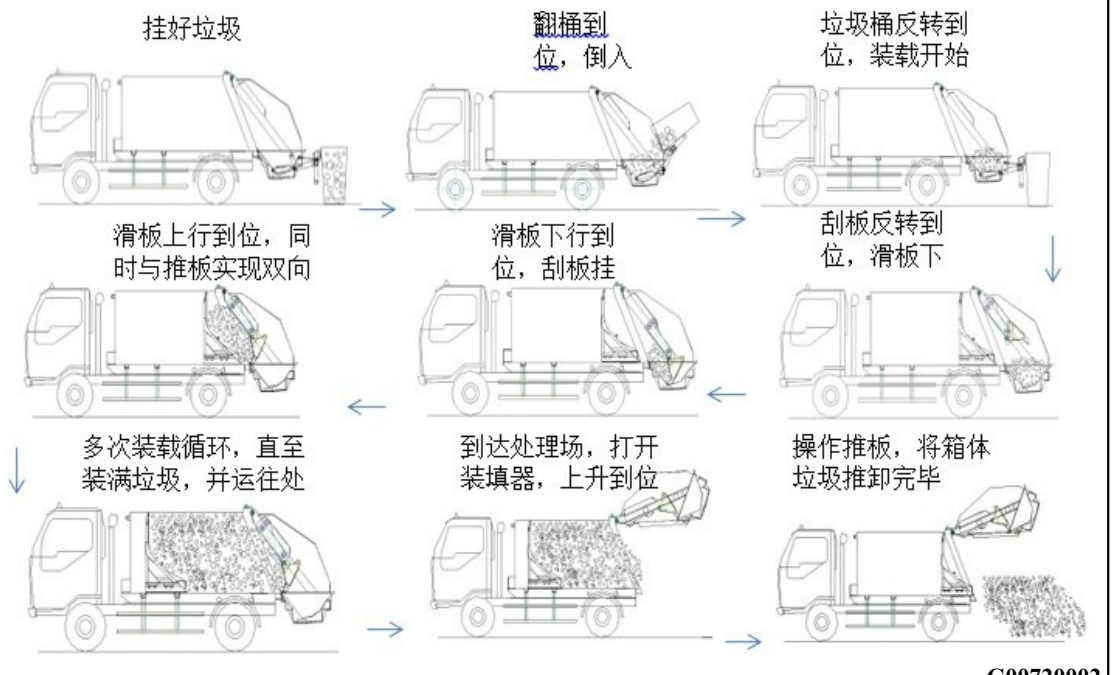
5.2. Large household appliances, furniture;

6.3. Wood, thick branches, etc.



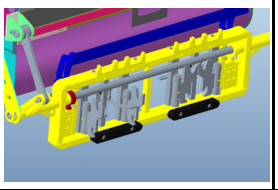
YSG10 COMPACTOR WORKING

WORKING PROCESSING



YSG10 COMPACTOR WORKING PROCESS

PRODUCT SPECES

STANDARD			
名称 ITEM	图片PICTURE	参数PARAMETER	说明 NOTE
挂桶型收集装置 BIN-LIFTER		收集120L/240L垃圾桶 120/240 2 Wheels bin	/
自动后门 LIDS		LIDS	气动控制 Pneumatic
OPTION -I			
660L抱爪机构 BIN-LIFTER		挂660L标准塑料桶 660L 4 Wheels bin Claw lock	同时满足120L/240L/660L规格垃圾桶 MEET 120/240/660L
330L铁桶机构 3301 STEEL BIN		挂330L铁桶	同时满足120L/240L/330L规格垃圾桶 MEET 120/240/330L
无线遥控 REMOVTER		/	远程操控 REMOTRE CONTROL
倒车影像 REVESE CAMERA		/	选装 OPTION

盲区报警 Blind spot alarm		/	选装
OPTION-II			
铲斗型收集装置 SHOVLE COLLECTION		铲斗	选配
摆臂型收集装置 SKIP ARM COLLETION		摆臂	选配

Product main parameter

表3–1 YSG10 compactor main parameter

YSG10		
Vehicle parameter	Vehicle type (tonnage)	15t
	Overall length	8440mm
	Overall width	2490mm
	Overall height	2850mm
	Wheelbase	4400mm
	body dimension	5830mm×2210mm×2615mm
Weight	GVW	15000kg
	Kerb Weight	8945kg
Compaction	The box volume	10m³
	Feeding port width	1680mm
	Loader volume	1.1 m3
	Sewage tank volume	250
	Compression ratio	1:03
	Loader lifting angle	95°
	Rated pressure of hydraulic system	19MPa
Chassis	Chassis Model	AKLE861R
	Chassis	Three-row half cab, right-hand drive
	Front and rear overhang	1245/1080
Motor	Motor model	TZ370XS-LKM1108
	Rated speed (rpm)/peak	1528/4500
	Rated power/peak (kW)	80/160
	Rated torque/peak (Nm)	500/1100
Battery	Voltage V	540.96
	Capacity Ah	/
	Battery power (kw.h)	155~165
Transmission	Model	AMT
	Speed ratio	/
Chassis	Front axle	3.6t
	Rear axle	10t /4.875/5.286
	Frame	860 230×75×(7+4)mm
	Steering gear	Φ95 Circulating ball hydraulic booster
	Front suspension	9
	Rear suspension	10+8
	Tire	8.25R20 16PR
	Maximum climbing grade (≥)	25%

PRODUCT FEATURE:

YSG10 rear-loading compression garbage truck has the following advantages:

1) Box assembly:

2) The main structural parts are made of high-strength structural steel, the box is rolled, and the four corners are arc-shaped transitions. The vehicle has a light weight and a large garbage loading capacity, ensuring that the box does not deform and is economical



G00719933

THE BOX OF COMPACTION

Loading mechanism:

a) The slide guide adopts a nylon slider structure, which has a long service life and can scrape materials easily;

b) The large-angle sliding scraper compression mechanism has higher compression efficiency;

c) A garbage backflow prevention device is set up, and the baffle is used to block it to ensure that there is sufficient space in the hopper to achieve efficient operation;

d) When unloading, after the loader is lifted, the scraper can perform secondary cleaning to ensure that there is no residual garbage during unloading



产品优势719932

SLIDER NYLON



G00719931

COMPACTION MECHNISAM

3) Collection device: Modular design, multiple collection devices can be quickly and seamlessly switched. Collection devices of different structures can be installed





G00719930

COLLECTION DEVICE

according to different garbage collection methods of customers.

3) Push plate assembly: The push plate slide rail structure is a symmetrical groove track on both sides. Compared with the track placed on the bottom plate of the box, it has the advantages of high track rigidity, good stability, no deformation of the bottom plate, smooth movement of the push plate, clean garbage unloading, and reliable operation.



G00719929

PUSH BOARD

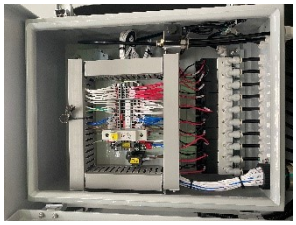
4) Electrical system:

a) The rear loading operation adopts wire control, and the button switch ensures the comfort of frequent loading operations;

b) Automatic and manual actions can be switched freely to flexibly cope with various working conditions;

c) The cab operation interface is simple, the logo is vivid, and the action and status indication information is rich. At the same time, there are status warnings and error operation prompts to reduce irregular operations and reduce the difficulty of operation;

d) The time redundancy design prevents the failure of the detection switch, intelligently identifies abnormal detection signals, prevents erroneous actions, and improves the system stability under complex working conditions.



G00719928

control box

5) Ultra-low noise: Starting from chassis bottom control, motor speed optimization, production and processing precision adjustment, and hydraulic system re-matching and optimization in multiple dimensions, the noise when loading garbage is controlled within 70dB (A) to avoid disturbing others.

6) High operational safety:

a) The loader is equipped with an "emergency stop" button and an automatic stop button to stop the operation in time;

b) If the loader has to be raised for inspection, repair, or cleaning, pressing the anti-descent switch and erecting the safety rod can effectively prevent the loader from falling suddenly. Multiple safety protection devices ensure the safety of the operator;



G00719926

Emergency swithc



G00719925

SAFTY BAR

7) Bidirectional compression technology The optimized hydraulic system and advanced pressing structure design (such as the slide cylinder and the slide track are in the same plane to ensure that the compression force is the cylinder force, rather than the component force of the cylinder force) make the pressing operation have a large compression force and a large compression ratio. The push plate simulates the garbage filling direction (curved surface) design, which ensures that garbage of different components is evenly compressed and filled as a whole without dead corners, gaps or blockages, greatly increasing the net loading capacity of garbage.

8) Good sealing performance:

a) Double-layer rubber seal is used at the joint surface between the filler and the garbage bin, and a sewage diversion device is set at the seal to ensure that there will be no dripping and spraying of sewage during collection and transportation;

b) Independent locking mechanism, the locking hook can be adjusted in both positive and negative threads, ensuring good sealing performance of the joint surface between the filler and the garbage bin to avoid secondary pollution during transportation.



G00719924

SEALS



G00719943

LOCK MECHNISAM

PICTURE













生产单位：徐州徐工环境技术有限公司
地址：中国.江苏.徐州经济开发区月皓路1号
全国统一客服热线：400–110–9999
销售电话：+86–516–87870112 87870012
服务电话：+086–516–87870036 83557211
邮编：221004
网址：http://www.xcmg.com/xghj
版本编号：2025年4月版

版权所有侵权必究