

XGH5180ZYS

Refuse Compactor Truck



Main Features :

- 双泵汇流技术确保了液压系统的大流量，充分利用并提高了压缩工作效率。
The dual-pump confluence technology ensures that the flow of the power system is fully utilized and improves work efficiency.
- 优先流量控制技术实现喂养和压缩动作的高效工作。
The priority flow control technology realizes the high-efficiency work of feeding and compression actions.
- 高精度过滤技术，过滤后油的清洁度符合 NAS9 标准。
High-precision filtration technology, the cleanliness of the oil after filtration meets the NAS9 standard.
- 智能操作，单键馈送，多循环馈送，动作和状态指示。
Intelligent operation, one-key feeding, multiple cycle feeding, action and status indication.
- 模块化设计，各种收集设备实现无缝切换。
Modular design, a variety of collection devices achieve seamless switching.

Main technical parameters

TECHNICAL DATA:

项目 ITEM		参数 PARAMETERS
整车参数 Truck	外形尺寸 Dimension (L x W x H)	mm 8800×2520×3115
	总质量 G.V.W	kg 18000
	整备质量 Kerb weight	kg 8000
	最大车速 Max. speed	km/h 90
	最小离地间隙 Min. ground clearance	mm 260
上装 Body	箱体 Tank volume (m ³)	15
	箱体尺寸 Tank dimension (L x W X H)	mm 4280 x 2216 x 1744
	投料口尺寸 Hopper dimension (W x H)	mm 2000 x 1360
	料斗容积 Hopper volume	m ³ 2.1
	污水箱容积 Sewage tank volume	L 350+250
	压缩循环时间 Compress cycle time	s ≤16
	卸料循环时间 Discharge cycle time	s ≤55
	上料循环时间 Loading cycle time	s ≤10
	最大破碎压力 Max. crushing pressure	kN 142
	最大推卸力 Max. push-off force	kN 226
	垃圾的压缩密度 Compression density	t/m ³ 0.65~0.75
	压缩比 Compress ratio	1:3.8
	翻桶机构倾倒角度 Bin Lifter dumping angle	° ≥45°
	液压系统额定压力 Hydraulic rate pressure	Mpa 20±0.5
	液压油泵排量 Hydraulic pump flow	ml/r 63/32
	液压油箱容积 Hydraulic oil tank volume	L 150
匹配铲斗 Garbage bucket collect	m ³ 1.9	
底盘 Chassis	底盘型号 Chassis model	SHACMAN L3000
	轴距 Wheelbase	mm 4500
	发动机型号 Engine model	WP7.240E51
	发动机马力 Engine power	HP 240
	排放标准 Emission standard	EURO-5
	变速箱型号 Transmission model	8JS105A
	前桥载荷 Front axle weight	T 4.8
	后桥载荷 Rear axle weight	T 11.5
油箱 轮胎 Fuel tank & Tire	200 L & 10.00R20	

Main technical parameters

产品介绍 Product Profile:

XGH5180ZYS 后装压缩式垃圾车是适用于现代城市垃圾收集、清运的专业化运输与作业车辆，该车全密封，自行压缩、自行倾倒、污水流入专用的污水箱，较为彻底的解决了垃圾转运的二次污染。更加节能和经济，整车操作简便、作业空间小、机动、灵活，效率高。主要应用于街道两侧、居民小区、学校和医院等人口密集地区垃圾的收集及清运工作。

XGH5250ZYS rear-loading compressed garbage truck is a specialized transportation and operation vehicle suitable for modern urban garbage collection and clearing. The vehicle is fully sealed, self-compressed, self-dumping, and sewage flows into the special sewage tank, which solves the secondary pollution of garbage transfer more thoroughly. More energy-saving and economic, the vehicle is easy to operate, small operating space, mobile, flexible, high efficiency. It is mainly used in the collection and transportation of garbage in densely populated areas such as street sides, residential areas, schools and hospitals.

污水处理系统 SEWAGE DISPOSAL:

1. 采用中央排污管道，有效防止污水渗漏，料斗与污水舱一体化设计，彻底解决了垃圾渗漏问题，避免了垃圾压实机压缩装运时的二次污染现象。

The central sewage conduit is adopted to effectively prevent sewage leakage, and the integrated design of hopper and sewage compartment completely solves the problem of waste leakage, thus avoiding the phenomenon of secondary pollution when the refuse compactor is compressed and loaded and transported.



Main technical parameters

2. 滑板导轨采用滚轮结构，摩擦阻力小，寿命长，易刮料。大角度滑动刮板式压缩机构和推滑驱动缸，压缩效率更高。

Sliding plate guide adopts roller structure, small friction resistance, long life, easy to scrape material. Large angle sliding scraper type compression mechanism and pushing skid drive cylinder, higher compression efficiency.

3. 防止垃圾回流装置，通过使用防护罩阻挡，确保料斗内有足够的空间，以实现高效运行。

The waste backflow prevention device is set up to ensure sufficient space in the hopper by using a shield to block it, to achieve efficient operation.

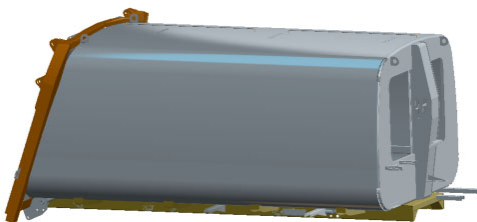
4. 卸料时，刮板能在装载机抬起后对物料进行二次清理，保证卸料时无残留垃圾。

When discharging, the scraper can clean the material twice after the loader is lifted to ensure that there is no residual garbage when discharging.

箱体 TANK BODY :

1. 箱体的主要结构件采用高强度结构钢，圆角设计，使整车重量轻、垃圾装载量大、省油，并保证箱体不变形。

The main structural parts of the box body are made of high-strength structural steel with rounded corners, which makes the whole vehicle light in weight, large garbage loading capacity and fuel saving, and ensures that the box body is not deformed.



Main technical parameters

收集装置 COLLECTION UNITS:

1. 模块化设计，多种收集装置实现快速、无缝切换，根据客户不同的垃圾收集方式，可安装不同结构形式的收集装置。

Modular design, multiple collection devices realize fast and seamless switching, according to the customer's different garbage collection methods, different structural forms of collection devices can be installed.

推板 PUSH PLATE:

1. 推料器滑道的结构为两侧对称的槽形轨道，与置于箱体底板上的轨道相比，具有轨道刚度大、稳定性好、底板不变形、推料器运动平稳、垃圾排放干净、工作可靠等特点。

The structure of pusher slide is a symmetrical slotted track on both sides, which has the advantages of large track rigidity, good stability, no deformation of the bottom plate, smooth movement of the pusher, clean garbage discharge and reliable work compared with the track placed on the bottom plate of the box.



Main technical parameters

液压系统 HYDRAULIC SYSTEM:

1. 双泵合流技术，保证动力系统流量的充分利用，提高工作效率。

Double pump merging technology to ensure full utilization of power system flow and improve working efficiency.

2. 优先流量控制技术，当压缩循环和进料循环同时运行时，系统优先考虑进料机构所需的流量，保证进料机构的工作效率，实现进料和压缩运行的高效率。

Priority flow control technology, when the compression cycle and the feeding cycle operate at the same time, the system gives priority to the flow required by the feeding mechanism to ensure the working efficiency of the feeding mechanism and realize the high efficiency of the feeding and compression operation.

3. 负载敏感的比例阀控制技术，系统高效节能。实现慢起慢停的动作，运行平稳无冲击，噪音低。实现多机构复合运行，提高运行效率。

Load-sensitive proportional valve control technology, the system is highly efficient and energy-saving. Realize the slow start and slow stop of the action, smooth operation without impact and low noise. Realize multi-agency compound operation and improve operation efficiency.

4. 高精度过滤技术，系统设计多个过滤单元，并选用优质高压过滤器，使过滤后的油品清洁度达到 NAS9 标准，高品质保证了系统的工作环境，提高了各液压元件的使用寿命。

High precision filtration technology, the system design multiple filtration units, and the selection of high-quality high-pressure filter, the cleanliness of the filtered oil to meet the NAS9 standard, high quality to ensure the working environment of the system and improve the service life of each hydraulic component.

Main technical parameters

电气系统 ELECTRICAL SYSTEM:

1. 后面的控制箱配备了一个接触按钮，驾驶室配备了一个接触蜂鸣器，通过它，操作员和司机可以进行联系。

The rear control box is equipped with a contact button, and the cab is equipped with a contact buzzer, through which the operator and the driver can make contact.

2. 装填器在装载动作上有一个 "紧急停止" 按钮，可以及时停止操作。

The tailgate is equipped with an "emergency stop" button for the loading action, which can stop the operation in time.

1. 如不得不进行检查、整修、清扫而升起装填器时，按下防止下降开关并竖起安全棒可有效防止装填器的忽然下落，多道安全保护装置保证了操作工人的安全性；

If the tailgate must be raised for inspection, repair or cleaning, pressing the fall prevention switch and putting up the safety bar can effectively prevent the tailgate from falling suddenly.



Main technical parameters

控制系统 CONTROL SYSTEM:

2. 设备尾部的装载操作由电气控制，按钮开关保证了频繁装载操作的舒适性。

The operation of loading at the rear of the car is controlled by wire, and the button switch ensures the comfort of frequent loading operation.

3. 装填器设有装车动作“紧急停止”按钮，可及时停止操作。

Automatic and manual actions are freely switched to flexibly respond to various working conditions.

4. 防止检测开关失效的时间冗余设计；智能识别非正常检测信号，防止错误动作，提升复杂工况下系统稳定性。

The driver's cab unloading operation adopts CAN communication keypad, with concise interface, logo image, rich information of action and status indication, as well as status warning and wrong operation prompt, which reduces irregular operation and operation difficulty.

5. 防止检测开关失效的时间冗余设计；智能识别非正常检测信号，防止错误动作，提升复杂工况下系统稳定性。

Prevention of detection switch failure time redundancy design; intelligent identification of non-normal detection signals to prevent wrong actions and enhance system stability under complex working conditions.

6. 自动油门加速保证液压油泵与发动机转速的最佳配合

Automatic throttle acceleration ensures the best match between hydraulic oil pump and engine speed.

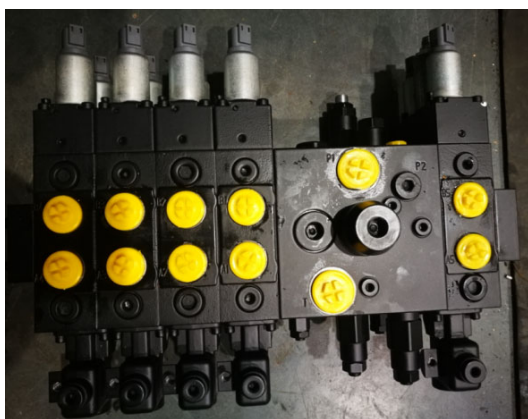
Main technical parameters

双向压缩技术 COMPRESSION TECH:

1. 优化的液压系统和先进的压装结构设计（如滑板油缸与滑板运动轨道处于同一平面，保证压缩力及为油缸作用力，而不是油缸作用力的分力），使得压装作业压缩力大，压缩比大，推板模拟垃圾填塞方向（曲面）设计，保证了不同成分垃圾被压力均匀地压缩并填满整个车箱而无死角和空隙存在或阻塞现象发生，大大提高了垃圾净装载量。

The optimized hydraulic system and advanced design of pressurized structure (such as the slide cylinder and the slide track are in the same plane to ensure that the compression force is the cylinder force, not the division of the cylinder force), which makes the compression force of the pressurized operation large, the compression ratio is large, and the push plate simulates the direction of garbage filling (curved surface) design to ensure that the different components of garbage are evenly compressed by the pressure and fill the whole box without dead corners and gaps or blockage phenomenon occurs.

主要核心部件： MAIN CORE PARTS:



Main technical parameters



Technical data and characteristics subject to modifications without notice

