

15+1.5 m³ REAR LOADING HYDRAULIC GARBAGE COMPACTOR TECHNICAL SPECIFICATIONS

NO	PARAMETER	SPECIFICATIONS
1.	Garbage Compactor	15 m ³ REAR LOADING HYDRAULIC GARBAGE COMPACTORS
2.	Body	IKS-GC-15
	Capacity (m ³)	15 m ³ with Hopper
	Body Roof Thickness	4 mm ST52 Steel
	Body Sides Thickness	4 mm ST52 Steel
	Body Floor Thickness	4 mm ST52 Steel
	Rear Basket Cover Wall Thickness	4 mm ST52 Steel
	Back Hopper Press Plate Thickness	5/6 mm Hardox450
	Rear Hopper Side Panels Thickness	4 mm ST52 Steel
	Receiving Hopper Bottom Thickness	5/6 mm Hardox 45*
		Duration of ejection: <30 seconds
3.	Tailgate	
	Compaction Plate	By means of compacting garbage panel activated with 2 units hydraulic double acting cylinders. Cylinder dimensions min 160mm. Panel steel is from S355JR quality, min 5 mm thickness. Shovel edge is from 6 mm Hardox 450
	Compaction Ratio	The compaction ratio (volumetric) varies between 5:1 - 6:1 according to the characteristic of the garbage used in the area.
	Hopper Capacity (m ³)	The loose garbage capacity of loading hopper is around 1,5 m ³
	Cycle (sec.) cannot be binding because it depends on truck PTO and hydraulic pump	Tailgate Lifting Cycle : 15 - 30 sec. Compaction Plate Working Cycle : 20 - 35 sec.
	Steel Thickness (mm)	Hopper Sides S355JR steel quality 4mm Hopper extension into body Hardox450 6 mm steel quality
	Safety Valve	Hydraulic safety device to prevent tailgate fall in the event of sudden hydraulic pressure loss
	Container Lifting Devices	Suitable for lifting of wheeled containers of 120-1100L (According to EN 840)

4.	Ejector Panel	
	Discharging	A double-acting telescopic hydraulic cylinder discharges the compacted garbage inside the body.
	Ejector Panel (discharging plate)	There shall be a totally automatic hydraulic system to allow the panel to advance forward as garbage is packed against it.
		Duration of ejection: <30 seconds
5.	Compacting System	
	Type	Panel and sweeping plate
	Performances	Compaction ratio: Not less than 5:1 according to the waste
		Duration of the cycle: <25 seconds
		Volume sweeping plate: >1 m ³
		Capacity of absorption: >3 m ³ / minute
6.	Operation & Control	
	Operation & Control	Tailgate and ejector controls are in front of the body. All devices for loading control are mounted on tailgate rear right side. Hand levers can also control compaction manually. (Right Rear) Tailgate closure operated with a two-hand safety control located on the left rear side of the superstructure; Automatic, semi-automatic, and manual compaction cycles;
	Communication & Buzzer	To warn or contact to the driver
	PLC Control System	All superstructure electromechanical operations controlled via PLC controller , 7" touch screen
16.	Lift for Containers	Compliant with EN 1501-5 (November 2011) Refuse collection vehicles - General requirements and safety requirements - Part 5: lifting devices for refuse collection vehicles
		Lid opener for bins and containers;
		Lifting capacity: 600-800 kg
		Comb compatible for flat and dome lids and for 240 l containers
8.	Hydraulic System	
	P.T.O	Controlled inside the cabin, original P.T.O of the Truck,
	Working Pressure (bar)	180 ± 10 bars (18Mpa)
	Hydraulic Cylinders	9 units of hydraulic cylinders; Telescopic Cylinder with 2 extensions. All the Hydraulic Cylinders are double-acting cylinders. Pipes to be made of honed drawn steel pipe, and cylinder miles are grinded and chrome coated against corrosion.
	Hydraulic Pump	P.T.O driven Hydraulic tandem (Gear) Pump

	Hydraulic Oil tank	180 liters capacity ,With return filter, filler neck, and oil level indicator with thermometer, located at the front of the body
9.	Painting	Rear loading device (Hopper) assembly are primed and ready for painting. Body and other parts disassembled without primer and without paining.
10.	Miscellaneous	Two steel mudguards with rubber flaps at rear ends.
	High-Pressure Hoses	Triple Layered in a protective spring.
	Foot / Ride Step	Height: 400 mm / Type: Folding / Area: >1000 cm ² / Position: Back of the Hopper Both at right and left rear The operator's position is protected by a handrail.
	Handrails for operators	Quantity: 2 / Location: At right and left rear / Length: 600 mm
	Working Area lighting (Headlamp)	Quantity: 2 / Location: On the rear part of the basket
	Rotating light / Beacon (Orange)	Quantity: 2 / Location: Front of the body / Rear top of the tailgate Orange-colored flashing beacon. Ensured visibility of 360° according to UzTR.2316-016:20116 Protective cage for each flashing beacon.
	Flashing light	Quantity: 2 / Location: Rear top of the tailgate
	Emergency stop	Quantity: 2 / Location: At right and left rear
	Water Drain Tank	Installed on the right side of the basket. 100Liters
	Hydraulic cylinders of the hopper lifting device	Equipped with safety locks for safety purpose. Steel piping between hydraulic cylinder and lock.
	Fixing elements/fasteners	Strength class 8.8 (electrolyte coating)
	Camera and Monitor	Rear view camera and monitor in cabin, Monitor size not less than 16inches, 24V
	Service Cover	Hopper will be equipped with a hinged service cover at the top of the basket.
	Safety & Marking	Side signs including blind spot marking Side and rear marking with stripes according to UNECE Regulation 48 - ECE104 The necessary lightings, reflectors, and warning devices shall be mounted at rear proper to regulations
		Electrical system is separated from the circuit of the truck
		Specifications and dimensions are not binding. Manufacturer's RN tolerance may apply.
		For every garbage compactor delivery, a general user's manual, maintenance and using instructions catalogue will be given.