

Rear Loading Hydraulic Garbage Compactor 16 cbm + 2.0 cbm Technical Specifications




(The pictures are for reference purpose only and may contain optional accessories.)

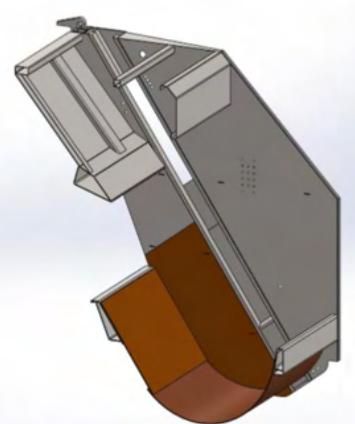
Refuse Compactor Technical Specs

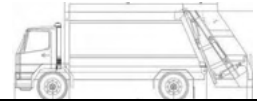
No	Parameters	Description
	Body	Rear Loader Hydraulic Refuse Compactor
	Code	PRO- 16
	General Information	Body upfit consists of a body and its subframe mounted on a truck chassis, a tailgate with compaction mechanism, discharging/ejection plate inside the body, bin lifter device, hydraulic and electrical components and their installation on garbage compactor.
	Capacity (m <sup>3</sup> )	16 cbm
	Body Floor	St-52 (S355JR) / 5mm
	Body Side Walls	St-52 / 4mm. Body side walls are smooth type and convex shaped without any vertical profile/ribs and traverses on side walls
	Body Roof	St-52 (S355J2) / 4mm.



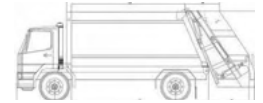
	Ejection/Discharging Plate	<p>a. Discharging plate moves on the rail welded above from the floor to the inner sides of the body</p> <p>b. Discharging plate moves by means of double acting telescopic cylinder. It is kept at the rear of the body when it is empty and moves automatically to the front of body by pressure valve as the garbage is started packed and pressed inside body.</p> <p>c. from St-37 (S255JR) + St-52 (s355jr) steel. 6mm</p>
	Sewage Discharge Water Tank	There is dirty water tank in front bottom of the body; Around 180 liters
2	Tail Gate	Rear Hopper
	General Info	Tailgate is connected to the body with top hinges and opened upwards by means of two units double acting hydraulic cylinders.
	Compaction Ratio	The compaction ratio (volumetric) varies between 5:1 according to the characteristic and due to this density of the garbage used in the area and garbage compactor operating pressure. Above parameter is valid for household garbage.
	Hopper Capacity	2.0 m3 (includes foldable type rear flap)
	Compaction Plate	From St-37 (S355JR) and St-52 (S355JR) 5mm
	Locking	<p>Hydraulic locking by means of reverse action of two hydraulic tailgate-lifting cylinders.</p> 








	Sealing	With special design leak-proof rubber seal between tailgate and the body
	Safety Props	<p>Tailgate is provided with safety props) between the body and tailgate for safety purposes during maintenance</p> 
	Safety Valve	Equipped with antidropping safety valve on tailgate hydraulic lines to prevent sudden falls
	Container/Bin lifter device 	Automatic for lifting buckets and containers of 80 l, 120 l, 240 l and 1100 l with automatic (standard EN 840) - hydraulic control
	Tailgate (Hopper) Steel Thickness (mm) 	<p>Tailgate (rear hopper) floor : From 6 mm of wear-resistant steel- min. ST52</p>  <p>Other remaining areas from St-37 (S255JR) + St-52 (S355JR) steel.</p>
3	Operation & Control	All devices for loading,compressing control and for container lifting device are mounted on tailgate side ways.



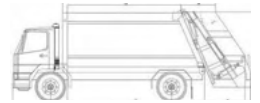
		Operation and control is suitable to below mentioned standards: Compaction mechanism/System can be operated by electrically (automatically) via buttons + Mechanical (manual) via hand lever(s) ; Container lifting device( bin lifter device) is activated/controlled by hydraulic-electric. (Automatically)
	Camera	A built-in camera is installed on the superstructure to monitor the working area behind the vehicle with a color LCD monitor mounted in the cab of the vehicle
4	Hydraulic System	
	Oil Tank Capacity	Minimum 130 liter capacity ; Equipped with return filter,oil indicator and tank lid.
	P.T.O.	Excluded
	Working Pressure (bar)	Av. 180 ± 10 bar
	Hydraulic Cylinder	9units hydraulic cylinder ; Telescopic Cylinder with 2 or 3 extensions. All the Hydraulic Cylinders are double-acting cylinder. All cylinders are Turkish brand. The dimensions of cylinders are designed to accomplish the stipulated cycle times and compaction ratio.
	Hydraulic Valve	AKON (Turkish brand) or Caproni (Bulgarian),or equivalent
	Hydraulic Hose	Turkish origin
	Hydraulic Pump	HIPOSAN 4073 (turkish brand), or equivalent
5	Painting	Communal White : Color code to be informed. All steel parts surfaces free of rust and oil residue by sand blasting , then will be applied with two primers, Completely final painted according to desired colour
6	General	2 rotating orange lights on the back of the superstructure with mechanical protection.
		Side bicycle protection bar/barrier included
		One elliptical handle at each side *3/4 " pipe handle for the crews to grasp
		Upper rear lights with protective metal grille
	Electrical Switches	Emas Brand (Turkey), or equivalent
	Hydraulic Controls for opening the Tailgate for Emptying	Hidros -Hidropack (European Origin), or equivalent



	There is an adjustment screw on the container lifter to adjust the width of the containers.
	Improved electrical control boxes with IP 68 water protection function.
	The pressing and loading mechanism is manually controlled using 4 levers without sensors. The distance between the arms should not be less than 100 mm.
	The minimum distance between the arms in the lower position and the protective box of the control panel is 10 cm.
	control buttons are embedded in the sides and protected from moisture according to IP 68 standard, mechanical and electrical control; front control unit for lifting the back cover and moving the discharge plate.
The compaction ratio (volumetric)	The compaction ratio (volumetric) varies between 5:1 / 6:1 according to the characteristic and due to this density of the garbage used in the area and garbage compactor operating pressure.

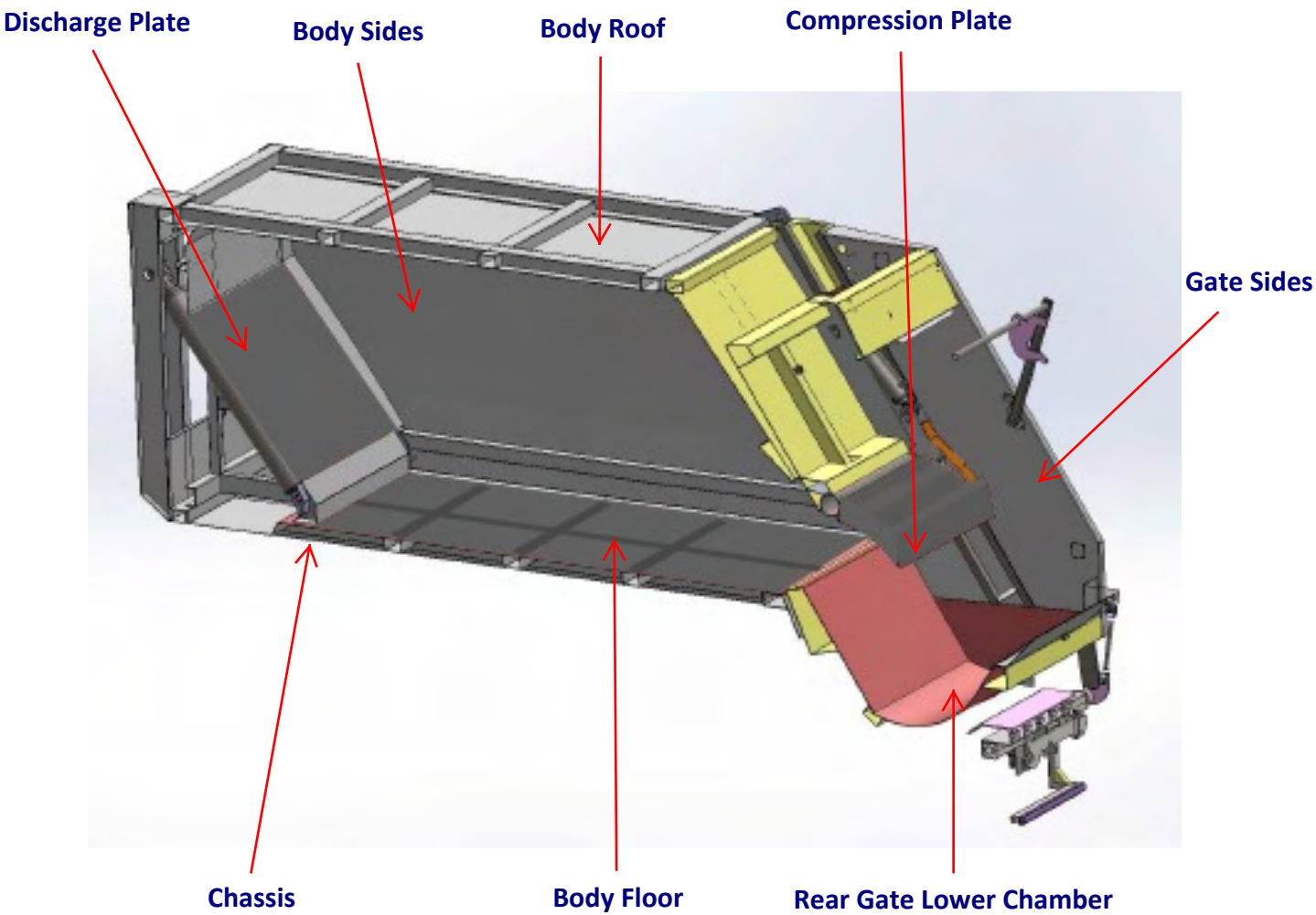


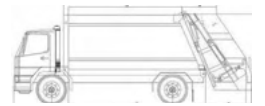
		
<b>Parameter</b>	<b>Garbage Body Hydraulic Specification</b>	
	An emergency button is mounted on the left side of the refuse truck and is used in case of emergency during the operation of the sealing plate.	
	7 inch display monitor with rear view camera.	
	Round rear lights with diodes - 2 pcs.	
	Two-circuit hydraulic system (for tandem pump).	
	Lighting lamps. (1 each at the bottom right and left, 1 each at the rear right and left and 2 in the rear hopper, 6 in total).	
	Two units foldable , anti-skidding and Height adjustable type rear foot boards for crew to stand on	
	Aluminum side protections (2x6 m)	
	Bolted rear handles	
	Plastic mudguards included	
	Labels and markings in accordance with the requirements for reflective marking.	
	Waste water reservoir is included.	







Sheet Thicknesses





Body Volume	16 m <sup>3</sup>
Tailgate Volume	2 m <sup>3</sup>
Chassis	6 mm St-52 (S355JR)
Body Floor	5 mm St-52 (S355JR)
Body Sides	4 mm St-52 (S355JR)
Body Roof	4 mm St-52 (S355JR)
Discharge Plate	6 mm St-52 (S355JR)
Compression Plate	5 mm St-52 (S355JR)
Rear Gate Lower Chamber	5 mm HARDOX 450
Rear Gate Sides	4 mm St-52 (S355JR)



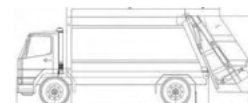


Garbage Compactor Technical Specifications	
	Garbage compaction operations can be operated as Automatic / Fully Automatic and Manual.
	The system operates between 180-200 bar pressure.
	Hydraulic control valves are of Turkish origin. Different brand request should be notified before the offer.
	The garbage equipment is designed to operate at ambient temperatures between minus 40 °C and plus 40 °C.

**PAINTING**

	The equipment is cleaned from dust and impurities by sandblasting before painting.
	Before mounting, body and tailgate parts are primed separately by applying 2 coats of primer paint.
 	Before the final painting process, 1 more coat of primer is applied and then the painting process is started. After the painting process, the paint thickness is controlled as at least 120 microns.





## VISUAL EXAMPLES OF EQUIPMENT

