

ORV300

series



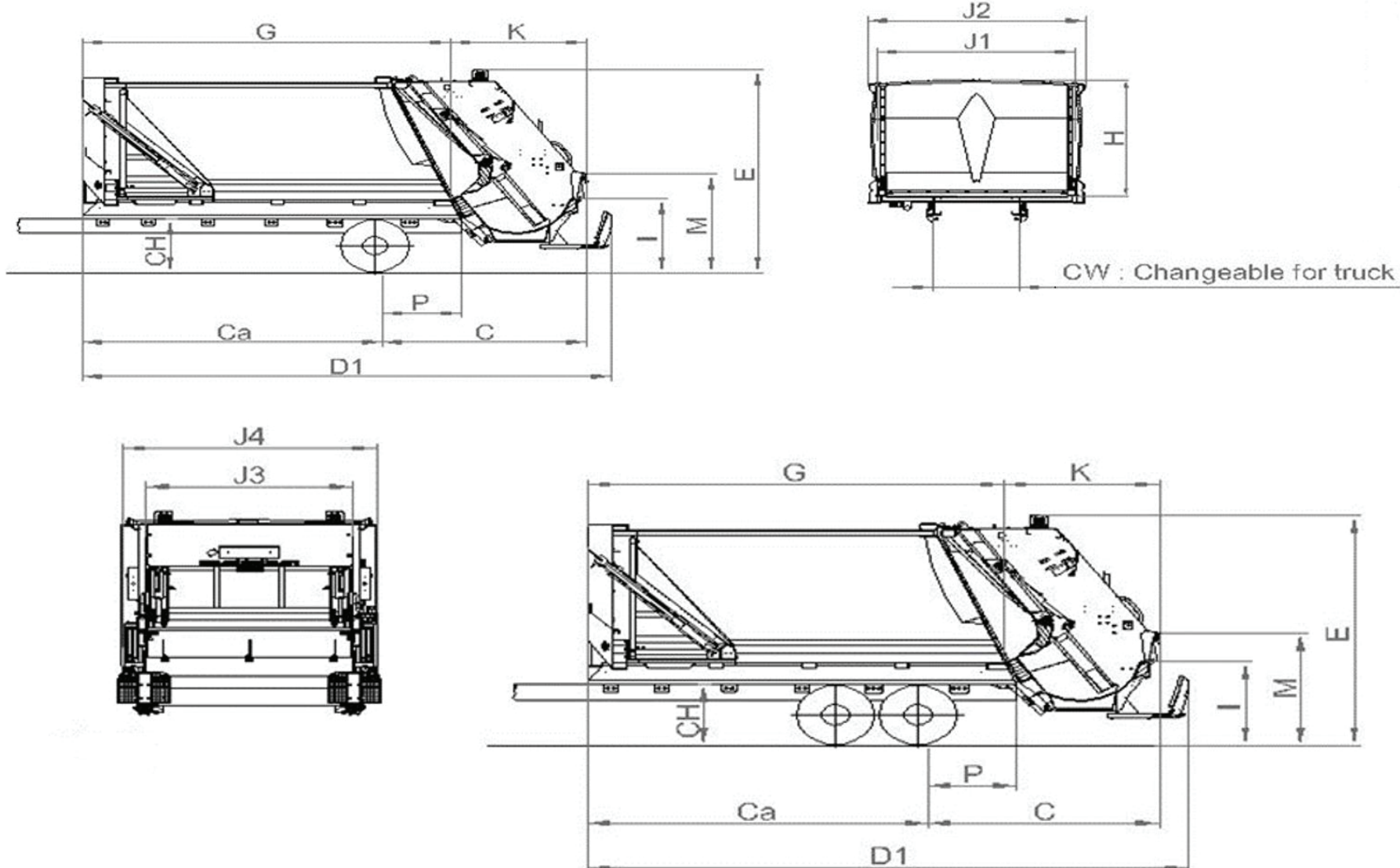
ORAKCI
Makina İmalat İth. İhr. San. ve Tic. A.Ş.



1. Equipment Dimensions

	Letter Code	10 m ³	11 m ³	12 m ³	13 m ³	14 m ³	15 m ³	16 m ³	17 m ³	18 m ³
Rear Overhang	*C	2457								
Truck Ground Clearance	*CH	1000								
Total Length	D1	5372	5627	5882	6137	6392	6647	6902	7157	7412
Body Height	*E	3263								
Body Internal Height	H	1850								
Useful Chassis Length	*Ca		2894	3149	3404	3659	3914	4169	4424	4679
Truck Chassis Width	CW	*May differ by truck.								
Body Length	G	3455	3710	3965	4220	4475	4730	4985	5240	5495
Hopper Length	K	1637								
Loading Height	*I	1155								
Hopper Height	*M	1480								
Body Internal Width	J1	2130								
Body External Width	J2	2316								
Tailgate Hopper Internal Width	J3	1950								
Tailgate External Width	J4	2378								
Chassis Back Length	P	900								
Equipment Weight (kg) (±3%)	*	4485	4600	4715	4830	4945	5060	5175	5290	5405

- Parts marked with (*) may differ by truck. The final dimensions become clear after the draft work. The table is for informat information purposes.
- (*) These are the base equipment data, they do not include optional equipment or accessories.
- The equipment dimensions may vary by ±3% depending on the general tolerances.



2. Body Capacity

Capacity	ORV 300
	10 m ³ - 16 m ³

Working Hours	Waste Loading Loop	Packaging Loop
	8-10 secs	12 -14 secs



3. Tailgate

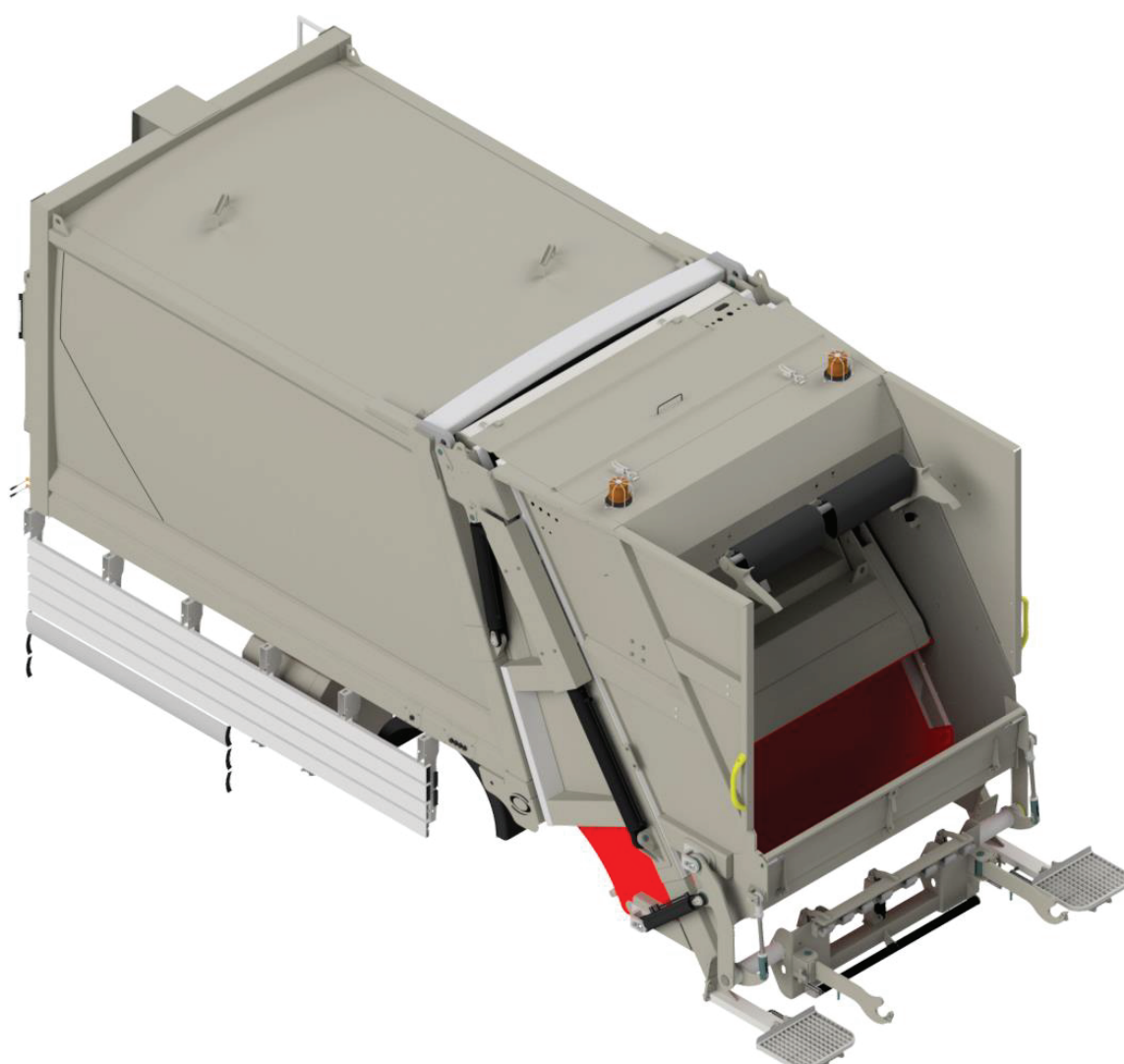
Capacity	-	300 Series
	Without Hopper Extension	1 m ³
	With Hopper Extension (Optional)	1.5 m ³

	Manual	Semi Automatic	Automatic
With Bin Lifter	Optional	Standard	Standard
Without Bin Lifter	Optional	Optional	Standard



4. Waste Water Tank Capacity

Body		Tailgate	
	3 Series	300 Series	
Tank	50 lt	Tank (Optional)	180 lt
Additional Tank (Optional)	180 lt		



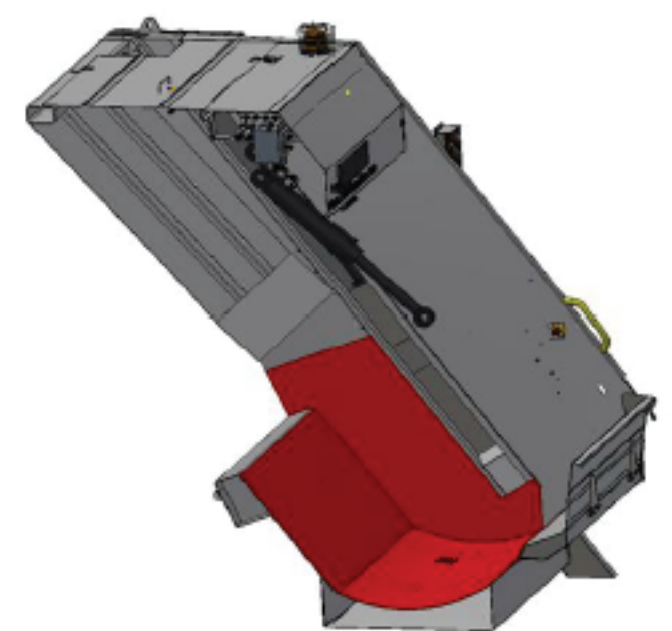
5. Hydraulic Features

Pump	Pump Types	Gear Pump
		Vane Pump (Optional)
		Piston Pump (Optional)
		Tandem Pump (Optional)
	Operating Pressure	180 bar
Pump Flow Rate	3 Series	
	82 lt/min.	
	* Pump values may differ depending on motor output speed. Motor output speed Max. 1000rpm	
Oil Tank	Capacity	3 Series
		160 - 200 lt
	Suction Filter	125 µc
	Return Filter	25 µc



6. Materials Used

Material Features			
Material	Bottom	Side Wall	Top
	▪ Hardox 450	▪ Hardox 450	▪ Hardox 450 (Partial)
	Blade Bottom Sheet	Tailgate Tank	Blade
	▪ Hardox 450	▪ Hardox 450	▪ Hardox 450
	Skid	Tailgate Side Wall Packing Area	Ejection Plate
	▪ Hardox 450	▪ Hardox 450	▪ Hardox 450



HARDOX®
WEAR PLATE

We offer Hardox 450 as an option for extending the useful life of the equipment located in the parts exposed to corrosion.

7. Bin Lifter Systems

Bin Lifter System	
Bin Lifter (Optional)	<ul style="list-style-type: none"> ▪ 120 lt - 1100 lt (EN 840) ▪ 400lt - 800lt (TR)



We produce systems whose EN 840 standard-compliant bin lifter is suitable for lifting plastic and metal containers.

8. Optional Features

Hydraulic Control System	<ul style="list-style-type: none"> ▪ Manual ▪ Semi-automatic ▪ Automatic 	Hardox	HARDOX® WEAR PLATE	Tailgate Hopper		Electrical Control System	<ul style="list-style-type: none"> • PLC • ECU • ECU-CANBUS
Bin Lid Opener		Bin Stopper		Equipment Control Directions	Right / Left	Step Sensor	
EN 1501 : Refuse collection vehicles - General requirements and safety requirements		Steps (EN 1501)		Vertical Cover		Inner Cabin Control	
Wastewater Tank		Ladder		Vertical Tank Cover		Side Marker Lights	
Worker Safety Barriers EN 1501		Fire Extinguisher Box		Audio Alarm System		Camera	
Mud Guards		Bicycle Stand EN 1501				Container Body Lighting	
Bin Lifter		Manual Bin Washing System				Button Type	

9. Truck Warning Alarm System

Manual	Semi automatic	Automatic
Beacon Light	Beacon Light	Beacon Light
Hopper Lighting Lamps	Hopper Lighting Lamps	Hopper Lighting Lamps
Stop Lamps	Stop Lamps	Stop Lamps
Driver Warning	Driver Warning	Driver Warning
Side Marker Light (Optional)	Side Marker Light (Optional)	Side Marker Light (Optional)
Safety Sensor Between Tailgate Ejection Plate	Safety Sensor Between Tailgate Ejection Plate	Safety Sensor Between Tailgate Ejection Plate
		Reversing Buzzer
		Step Sensor (Optional)
		30 km/h Speed Limiter Signal
		Camera System (Optional)
		Inner Tank Recovery Buttons
		Outer Tank Stop Buttons
		Two Hand Control Button
		Full Body Sensor (Optional)
		Tailgate Hopper Sensor

10.Compaction rate 1:6.

11.Tailgate can open up to 89°.

12.Two-hand buttons are embedded in the body to provide a flat appearance. In this way, external deformations are prevented and convenience is ensured for the worker.

13.Following the analysis of each designed equipment via the programs, mass production of them is carried out after testing for at least 6 months in the field test.

14.The special design of the tailgate allowed it to be positioned very close to the truck cabin. In this way, high volume and carrying capacity are also provided in short chassis.

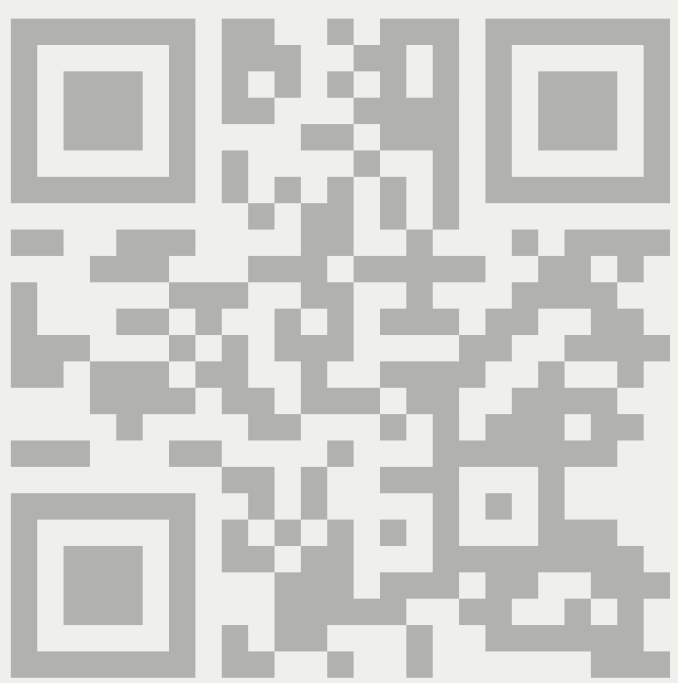
15.Through the installation of a closed-circuit camera system in the driver's cabin, the communication of the drive with the operators is increased and work safety is ensured. Ease of use is offered via an optional touch screen.

16.Equipment designs are made suitable for transportation in containers. In this way, our equipment is delivered to our customers all over the world. Tax exemption is provided to our customers through disassembled equipment.

17.CKD-SKD and Disassembled production can be performed.

Production can be made in line with business models depending on customer and market needs.

18.1-year product warranty and 10-year spare parts supply warranty is provided.



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