

OBW

series

Bin Washer

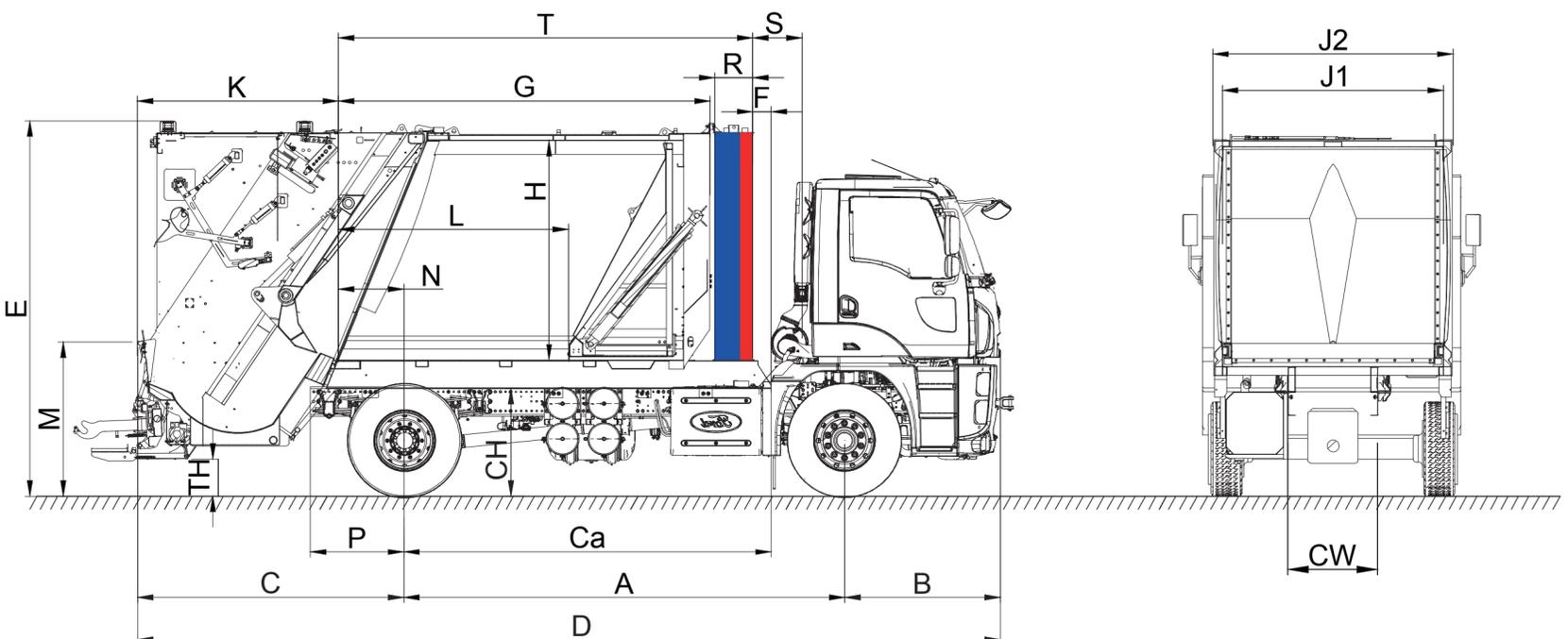


1. Equipment Dimensions

EQUIPMENT DIMENSIONS LIST

| EQUIPMENT TANK CAPACITY | | 10m 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 | 19 m ³ | 20m ³ | 21 m ³ | 22 m ³ | 23 m ³ | 24m ³ | 25 m ³ | 26 m ³ | 27 m ³ |
|---|-----|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|
| Rear Overhang | *C | 2780 mm | | | | | | | | | | | | | | | | | |
| Chassis Height | *CH | 1000 mm | | | | | | | | | | | | | | | | | |
| Distance Between Ejection Plate - Container | L | 1767 | 1992 | 2217 | 2242 | 2667 | 2892 | 3117 | 3342 | 3567 | 3792 | 4017 | 4242 | 4467 | 4692 | 4917 | 5142 | 5367 | 5592 |
| Body Height | *E | 3520 mm | | | | | | | | | | | | | | | | | |
| Useful Chassis Length | *Ca | 1767 | 1992 | 2217 | 2242 | 2667 | 2892 | 3117 | 3342 | 3567 | 3792 | 4017 | 4242 | 4467 | 4692 | 4917 | 5142 | 5367 | 5592 |
| Truck Chassis Width | *CW | May differ by truck. | | | | | | | | | | | | | | | | | |
| Distance Between Chassis - Cabin | *F | 268 mm | | | | | | | | | | | | | | | | | |
| Body Internal Width | J1 | 2130 mm | | | | | | | | | | | | | | | | | |
| Body External Width | J2 | 2136 mm | | | | | | | | | | | | | | | | | |
| Chassis Back Length | P | 1120 mm | | | | | | | | | | | | | | | | | |
| Distance Between Cabin - Equipment | *S | 475 mm | | | | | | | | | | | | | | | | | |
| Body Length | G | 1767 | 1992 | 2217 | 2242 | 2667 | 2892 | 3117 | 3342 | 3567 | 3792 | 4017 | 4242 | 4467 | 4692 | 4917 | 5142 | 5367 | 5592 |
| Body Internal Height | H | 2120 mm | | | | | | | | | | | | | | | | | |
| Tailgate Length | K | 1936 mm | | | | | | | | | | | | | | | | | |
| Hopper Extension Height | M | 1440 mm | | | | | | | | | | | | | | | | | |
| Water Tank Length | **R | 366 mm | | | | | | | | | | | | | | | | | |
| Tailgate Ground Clearance | *TH | 334 mm | | | | | | | | | | | | | | | | | |
| Equipment Weight (kg) (±3%) | | ***Please contact ORAKÇI MAKİNA for equipment weight. | | | | | | | | | | | | | | | | | |

- The dimensions are given in mm.
- Parts marked with (*) may differ by truck. The final dimensions will be concluded following the sketch study on the truck chosen by the customer. The table has been made for information purposes.
- Parts marked with (**) means that the dimensions may change in case a bigger or smaller clean and waste water tank is requested.
- These are the base equipment data and they do not include optional equipment or accessories.
- The equipment dimensions may vary by ±3% depending on the general tolerances.



2. Body Capacity

| | | |
|----------------|---------------------------------------|--------------------|
| Capacity | OBW | |
| | 10 m ³ - 27 m ³ | |
| Capacity | Tailgate Features | |
| | Without Hopper Extension | 1.5 m ³ |
| | With Hopper Extension (Optional) | 2 m ³ |
| Loading Height | Without Hopper Extension | 1020 mm |
| | With Hopper Extension (Optional) | 1440 mm |



3. Hydraulic Features



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

(*) Pump may differ by motor output speed. The maximum value for motor output speed is 1000rpm.
(**) Pump flow rate has been given for 1 piece of equipment, this value may differ depending on the number of pump head being 1 or 2.

4. Clean Water Waste Water Line System

| Washing System Features | | |
|--------------------------------------|---|--------------------|
| Pump | Pump | Piston |
| | Operating Pressure | 100-150 bar |
| | Hydraulic Pump Flow Rate | 45 - 100 lt / min. |
| | Rotary Pump Head Rate | 50 lt / min. |
| Waste Water Transfer System Features | | |
| Pump | Open-Vane Stainless Pump | |
| Filter System | Filter System Capable of Filtrating Solid Particles | |
| Tank Capacities | | |
| Clean Water Tank | 1000 - 3000 lt | |
| Wastewater Tank | 650 - 2000 lt | |
| Trigger Pump Head Drum | 15 m - 20 m | |



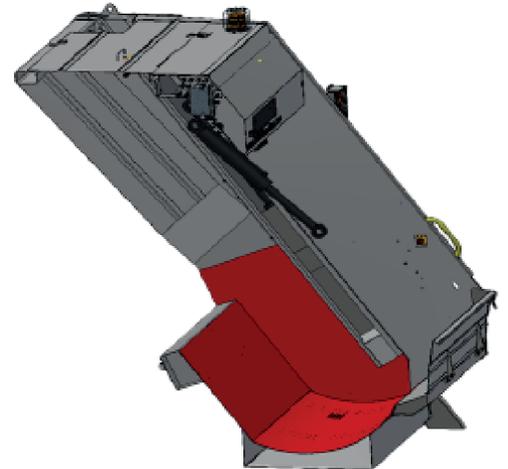
5. General Features

| GENERAL FEATURES | |
|---------------------------------------|-----------|
| COMPACTION RATIO | 1:6 |
| WASHING TIME | 4-15 sec. |
| CONTAINER'S COMPLIANCE WITH STANDARDS | EN 840 |



6. Materials Used

| Material | Body Bottom | Body Top | Blade Bottom Sheet |
|------------|-----------------------|-----------------------|--------------------|
| | S355J2C+N | S355J2C+N | 4-15 sec. |
| | Hardox 450 (Optional) | Hardox 450 (Optional) | |
| | Tailgate Hopper | Tailgate Side Wall | Slide Bottom Sheet |
| Hardox 450 | S355J2C+N | S355J2C+N | |
| | Hardox 450 (Optional) | Hardox 450 (Optional) | |



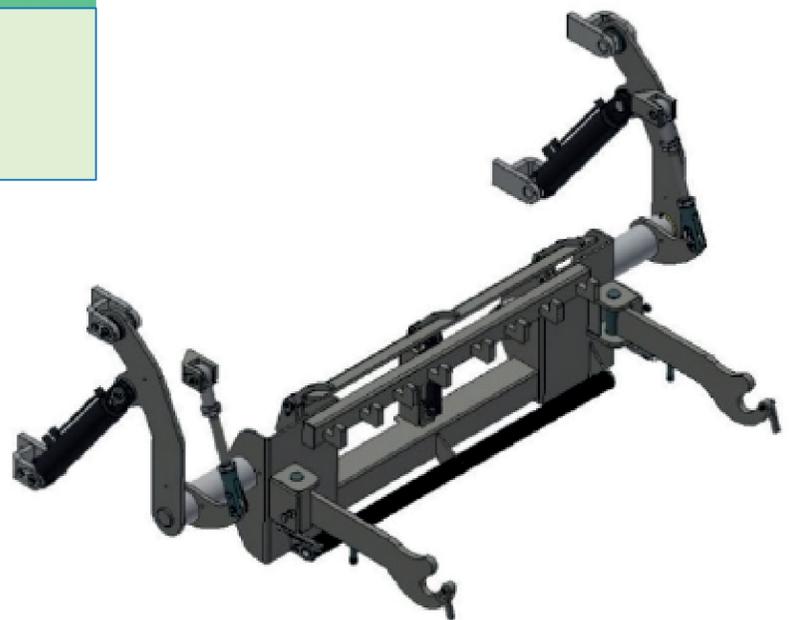
HARDOX®
WEAR PLATE

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) | 120 lt - 1100 lt (EN 840) 120 lt - 1700 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 | Manual Semi-automatic Automatic | Hardox | HARDOX WEAR PLATE | Tailgate Hopper |  |
| Bin Lid Opener |  | Bin Stopper |  | Equipment Control Directions | Right / Left |
| EN 1501 - Refuse collection vehicles - General requirements and safety requirements |  | Steps (EN 1501) |  | Electrical Control System | PLC ECU ECU-CANBUS |
| Wastewater Tank |  | Ladder |  | Step Sensor |  |
| Worker Safety Barriers EN 1501 |  | Fire Extinguisher Box |  | Inner Cabin Control |  |
| Mud Guards |  | Bicycle Stand EN 1501 |  | Side Marker Lights |  |
| Bin Lifter |  | Body Lighting |  | Camera |  |
| Please contact ORAKCI MAKINA for optional requests. | | | | Button Type |  |

9. Truck Warning Alarm System

| 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 | Reversing Buzzer |
| | | Step Sensor (Optional) |
| | | 30 km/h Speed Limiter Signal |
| | | Camera System (Optional) |
| | | Recovery Buttons |
| | | Emergency Stop Buttons |
| | | Safety Sensor Between Tailgate - Ejection Plate |
| | | Two-Hand Control Button |
| | | Full Body Sensor (Optional) |
| | | Tailgate Hopper Sensor |



8. Optional Features

10. The opportunity of washing the containers between 120 and 1100 liters in 4 - 15 seconds is offered.

11. 2 m³ tailgate volume.

12. A hydraulically driven, stainless body wastewater pump that transfers the dirty water accumulated in the tailgate waste water tank to the external waste water tank is in place.

13. The control systems of our equipments are programmed by our company and improvements can be made in line with demands.

14. 1:6 compaction ratio is available (may differ by waste density).

15. The movement of the rotating washing head in the waste container is provided by hydraulic (optional) or pneumatic pistons.

16. Bin lifter suitable for containers in compliance with EN840 standards is in place.

17. CANBUS support is offered, if requested, for trucks with Inner Cabin Control System.

18. The control systems of our equipments are programmed by our company and improvements can be made in line with potential requests.



20. The equipment is made in line with EN 1501 standards.

21. Language options according to countries are available on the screen and labels (optional).

22. It is possible to read equipment operating information (vehicle and PTO operating time counter, vehicle speed and temperature information, equipment occupancy and oil temperature information) from inside the cabin.

23. A talking system between operator and driver is available (optional).

24. 1-year product warranty and 10-year spare parts supply guarantee are provided.

25. Packer and bin lifter systems are able to operate simultaneously (Tandem Pump) (optional).

