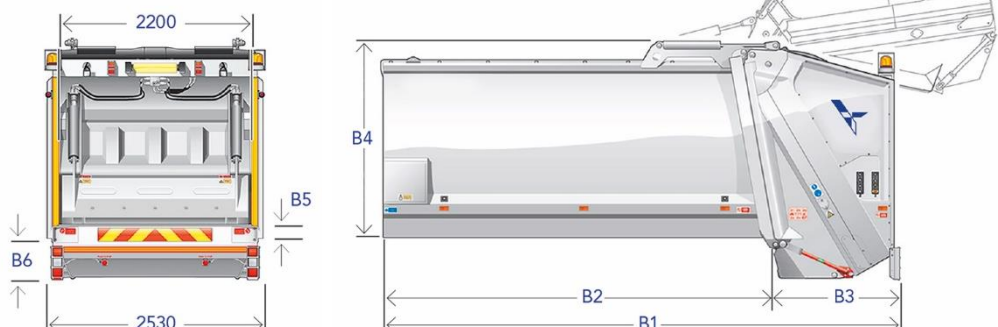


Specifications



MODEL	OL-13W HCT	OL-14W HCT	OL-16W HCT	OL-17W HCT	OL-19W HCT	OL-20W HCT	OL-21W HCT	OL-23W HCT	OL-25W HCT	OL-27W HCT	
GVW chassis (t) (1)	16	16	18-19	18-19	26	26	26	26	26	32	
Recommended Wheelbase: 1- 2 (mm)	3400-3500	3600-3700	3800-3900	4100-4200	3300-3400	3500-3600	3800-4000	4100-4200	4500-4600	(4)	
Recommended Wheelbase: 2 - 3 (mm)	----	----	----	----	1350-1400	1350-1400	1350-1400	1350-1400	1350-1400	(4)	
Body useful capacity (m ³)	13,4	14,1	15,9	16,9	19,0	20,3	21,7	23,6	25,9	26,9	
Body Weight (Open Back) (Kg)	5479	5534	5672	5753	5935	6041	6146	6286	6490	6560	
Multipurpose UPC bin lifter Weight (Kg)	675										
DIN frame for auxiliary lifter + rave rail Weight (Kg). Consult binlift manufacturer for lifter details.	216										
Sub-frame Weight (Kg)	136					173					
Footboards Weight (Kg)	70										
Overall Length (mm)	B1	5275	5425	5825	6025	6475	6775	7075	7475	7975	8175
Overall Length-Tailgate raised (mm)		6115	6265	6665	6865	7315	7615	7915	8315	8815	9015
Body Floor Length (mm)	B2	3460	3610	4010	4210	4660	4960	5260	5660	6160	6360
Tailgate floor Length (mm)	B3	1815									
Body Height included sub-frame (mm) (2)	B4	2490									
Body Height includ. sub-frame - Tailgate raised (mm) (2)		4410									
Rave rail height vs chassis (mm) (3)	B5	0 (3)									
Underside of tailgate relative to chassis height (mm)	B6	-480									
Maximum external Width (mm)	2530										
Tailgate internal width without lifter (mm)	2200										
Hopper volume (m ³) (3)	1,5										
Hopper volume with high rave rail up (UPC lifter) (m ³)	3,5										
Compaction mech. swept volume (m ³)	1,99										
Compaction mechanism cycle time (s)	18										
Absortion speed (m3/min)	6,6										

NOTE: This document and the information or advice given to the customer is merely for guidance and does not constitute any contractual obligation. Nor can any obligation, guarantees or responsibility be taken from it on the part of the company.

All specifications are subject to manufacturers tolerances. An allowance of +/- 2% should be made for all weights. Additional equipment may alter dimensions and weights quoted.

- (1) Subject to legislation in territory.
 (2) Height profile sub-frame 115 mm.

- (3) Minimum height of floor 1,05 m with EN 1501-1.
 (4) 4-axle chassis configuration (8X4) to consult.



Compacting Body

- Constructed from high tensile steel one piece rolled side sheets and braced by front and rear hoops, with pressed integral channels and 'keel' type floor.
- Sides in 4mm S275 EN10025, Roof in S355 EN10025.
- Floor in 3 sections across width: 4-5mm S355 EN10025.
- Rear Hoop: 5-6mm S355 EN10025.
- Barrier Rails: 8mm DOMEX 700 (700 N/mm²).
- Rear Cross-member: 6mm DOMEX 700 (700 N/mm²).
- Fitted with under-floor sump to prevent liquid seepage and to allow clean discharge of any liquid content. (100mm depth).
- Only two greasing points in body and tailgate.

Tailgate

- Optimised 2.0 m³ swept volume capacity, resulting in fewer packing cycles, reducing wear, fuel consumption and noise.
- Full 2.2m uncluttered loading width without lifter.
- Low rake rail height for manual loading and versatile lifting device mounting with bolt-on rake rail adaptor for lifting devices.
- Substantial pressed side plates form integrated channels to guide the compaction mechanism.
- Hydraulic packer plate cylinders are positioned to eliminate damage from waste.
- Reduced overhang for improved weight distribution and manoeuvrability.
- Integral rear frame for lifting device mounting.
- Hopper: 8mm HARDOX 400 (1000 N/mm²).
- Sides: 7mm HARDOX 400 (1000 N/mm²).
- Rake Rail: 4mm DOMEX 700 (700 N/mm²).
- Retainer Plate: 4mm HARDOX 400 (100 N/mm²).

Packing Mechanism

- Proven two-plate fabricated carriage plate and packer plate design.
- Manufactured using high tensile abrasion resistant steel.
- Slides within tailgate channels on low friction self lubricating bearings.

- Heavy duty carriage and packer cylinders.
- The remaining structural elements are constructed in steel S355 EN10025 (355 N/mm²).
- Base sheet & tube: 4mm HARDOX 400 (1000 N/mm²).
- Packer plate base: 6mm HARDOX 400 (1000 N/mm²).
- Nominal 18 second cycle time.

Refuse Ejection Plate

- Ejection plate face is manufactured from high tensile abrasion resistant steel, forming a smooth and unobstructed discharge surface.
- Pressure regulation of the ejection plate from cab display.
- Self lubricating bearings guide the ejection plate along rails within the body.
- Multi-staged double acting hydraulic cylinder enables efficient ejection and retraction.

Electrical System

- Fully integrated CANBus system logic (CANopen).
- Simple display unit in cab for body controls and diagnostics.
- Fully water-proofed side mounted junction box contained within a locker allowing easy access for diagnostics and maintenance via laptop.
- Number and colour coded wiring for easy identification, maintenance and fault finding.
- Weatherproof switch, plug and socket connectors.

Hydraulic System

- Quiet, PTO mounted close-coupled standard pump.
- Body mounted 150 litre tank with remote pressure fill.
- Full flow 10 micron return line filter controls contaminant levels.
- Engine speed is maintained by electronic throttle control system when hydraulic power consumption increases.
- Heavy duty inverted packer plate cylinders fitted with maintenance free spherical bearings.
- Heavy duty inverted compaction cylinders mounted outside the compaction mechanism, clear of the loading area.
- Roof mounted tailgate lift cylinders.

- Retention barrier with adjustable pressure.

Safety

- CE Approved. Safe by design. EN 1501-1.
- Two-plate design, automatic body/tailgate locks and clean discharge remove the need to approach moving parts.
- Interlocks prevent the mechanism from working unless the tailgate is fully lowered.
- Automatic gearbox interlocks enhance safe operations.
- Tailgate lift rams are fitted with integral pilot operated load holding valves so that even if a hose fails, or is removed, the tailgate cannot descend unless positively powered downwards.
- Indicator icons show the driver when the mechanism is in operation, and when the tailgate is out of its locks.
- In cab discharge controls as standard, with external tailgate lower controls for optimized safety.
- Interlocked access door for safe maintenance operations.

Options

- A range of compatible lifting devices and DIN frames are available.
- Ladder to access the side door of the body.
- Tank of leachate at the bottom of the hopper.
- Support for the shovel and broom.
- Hardox floor reinforcement.
- Hydraulic unloading of underground containers.
- Variable flow pump.
- Soundproofing the bottom of the hopper.
- Further standard options please contact a ROS ROCA sales representative.

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