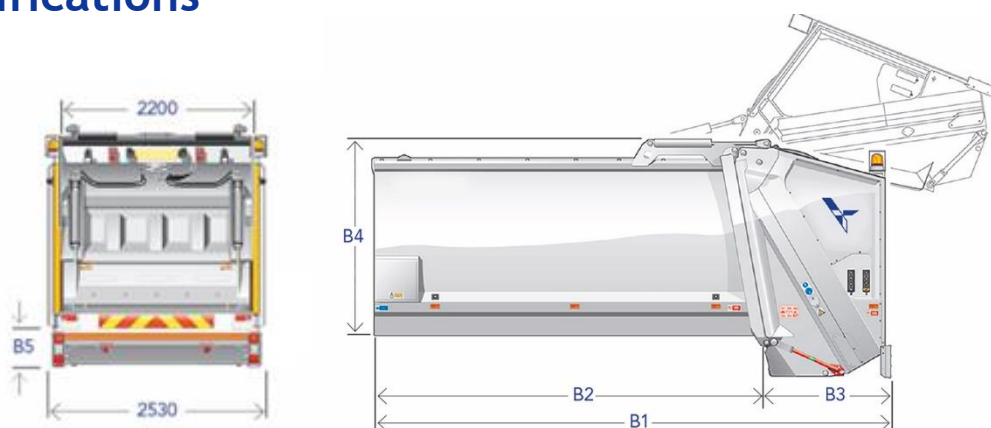


Specifications



MODEL		OL13W	OL14W	OL15W	OL16W	OL17W	OL19W	OL20WDE	OL20W	OL20,5W	OL21W	OL23W	OL25W	OL27W
GVW chassis (t) (1)		16	16	18-19	18-19	18-19	26	26	26	26	26	26	26	32
Recommended Wheelbase: 1- 2 (mm)		3400-3500	3600-3700	3700-3800	3800-3900	4100-4200	3300-3400	3400-3500	3500-3600	3600-3700	3800-4000	4100-4200	4500-4600	(4)
Recommended Wheelbase: 2 - 3 (mm)		----	----	----	----	----	1350-1400	1350-1400	1350-1400	1350-1400	1350-1400	1350-1400	1350-1400	(4)
Body useful capacity (m ³)	Wide	13,0	13,7	14,4	15,6	16,6	18,6	19,6	20,0	20,7	21,4	23,2	25,6	26,5
	HCT	13,4	14,1	14,8	15,9	16,9	19,0	19,9	20,3	21,0	21,7	23,6	25,9	26,9
Body Weight (Open Back) (Kg)	Wide	5207	5262	5312	5400	5481	5663	5716	5769	5821	5874	6014	6218	6288
	HCT	5479	5534	5584	5672	5753	5935	5988	6041	6093	6146	6286	6490	6560
Multipurpose UPC bin lifter Weight (Kg)		675												
Sub-frame Weight (Kg)		136						173						
Overall Length (mm)	Wide	4975	5125	5275	5525	5725	6175	6325	6475	6625	6775	7175	7675	7875
	HCT	5275	5425	5575	5825	6025	6475	6625	6775	6925	7075	7475	7975	8175
Overall Length-Tailgate raised (mm)	Wide	6053	6203	6353	6603	6803	7253	7403	7553	7703	7853	8253	8753	8953
	HCT	6115	6265	6415	6665	6865	7315	7465	7615	7765	7915	8315	8815	9015
Body Length (mm)	B2	3460	3610	3760	4010	4210	4660	4810	4960	5110	5260	5660	6160	6360
Tailgate Length WIDE / HCT (mm)	B3	1515 / 1815												
Body Height included sub-frame (mm) (2)	B4	2490												
Body Height inclu. subframe - Tailgate raised WIDE/HCT (mm)(2)		4145 / 4410												
Underside of tailgate relative to chassis height WIDE / HCT (mm)	B5	-472 / -480												
Maximum external Width (mm)		2530												
Tailgate int. width without lifter (mm)		2200												
Hopper volume WIDE / HCT (m ³)		1,3 / 1,5												
Hopper volume with high rave rail up (UPC lifter) WIDE / HCT (m ³)		3,2 / 3,5												
Compaction mech. swept volume WIDE / HCT (m ³)		1,92 / 1,99												
Compaction mechanism cycle time (s)		18												
Absortion speed WIDE / HCT (m3/min)		6,4 / 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

- Two available sizes: WIDE and HCT (High Capacity Tailgate).
- Optimised 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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