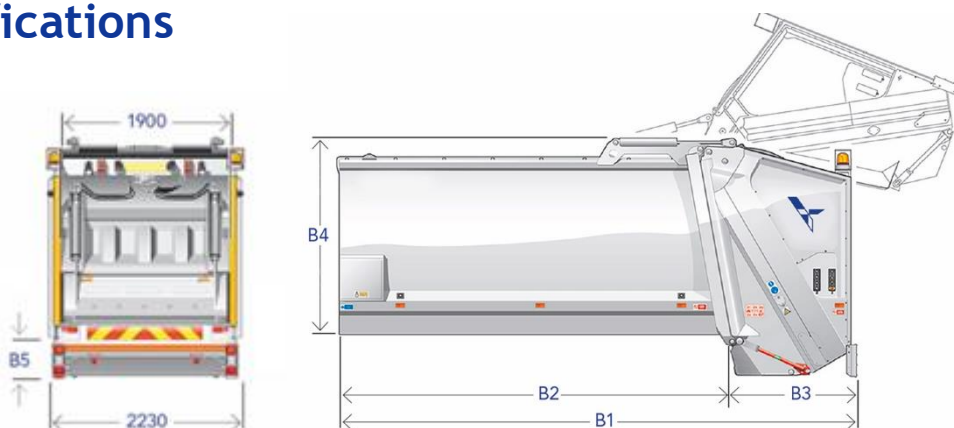


Specifications



MODEL		OL-10N	OL-11N	OL-12N	OL-14N	OL-16N	OL-16NDE	OL-19N
GVW chassis (t) (1)		16	16	16	18-19	18-19	26	26
Recommended Wheelbase: 1- 2 (mm)		3100-3200	3400-3500	3700-3800	3800-3900	4500-4600	3600-3700	3800-4000
Recommended Wheelbase: 2- 3 (mm)		----	----	----	----	----	1350-1400	1350-1400
Body useful capacity (m ³)		10,3	11,3	12,5	13,6	16,0	16,6	18,6
Body Weight (Open Back) (Kg)		4889	4971	5075	5154	5443	5493	5605
Multipurpose UPC bin lifter Weight (Kg)		660						
Sub-frame Weight (Kg)		136					173	
Overall Length (mm)	B1	4725	4975	5275	5525	6175	6325	6775
Overall Length-Tailgate raised (mm)		5803	6053	6353	6603	7253	7403	7853
Body Length (mm)	B2	3210	3460	3760	4010	4660	4810	5260
Tailgate Length (mm)	B3	1515						
Body Height included sub-frame (mm) (2)	B4	2490						
Body Height includ. sub-frame - Tailgate raised (mm) (2)		4145						
Underside of tailgate relative to chassis height (mm)	B5	-472						
Maximum external Width (mm)		2230						
Tailgate internal width without lifter (mm)		1900						
Hopper volume (m ³) (3)		1,2						
Hopper volume with high raved rail up (UPC lifter) (m ³)		2,8						
Compaction mech. swept volume (m ³)		1,7						
Compaction mechanism cycle time (s)		18						
Absortion speed (m3/min)		5,7						

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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) Subject to chassis height.



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 swept volume capacity, resulting in fewer packing cycles, reducing wear, fuel consumption and noise.
- Full 1.9m 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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