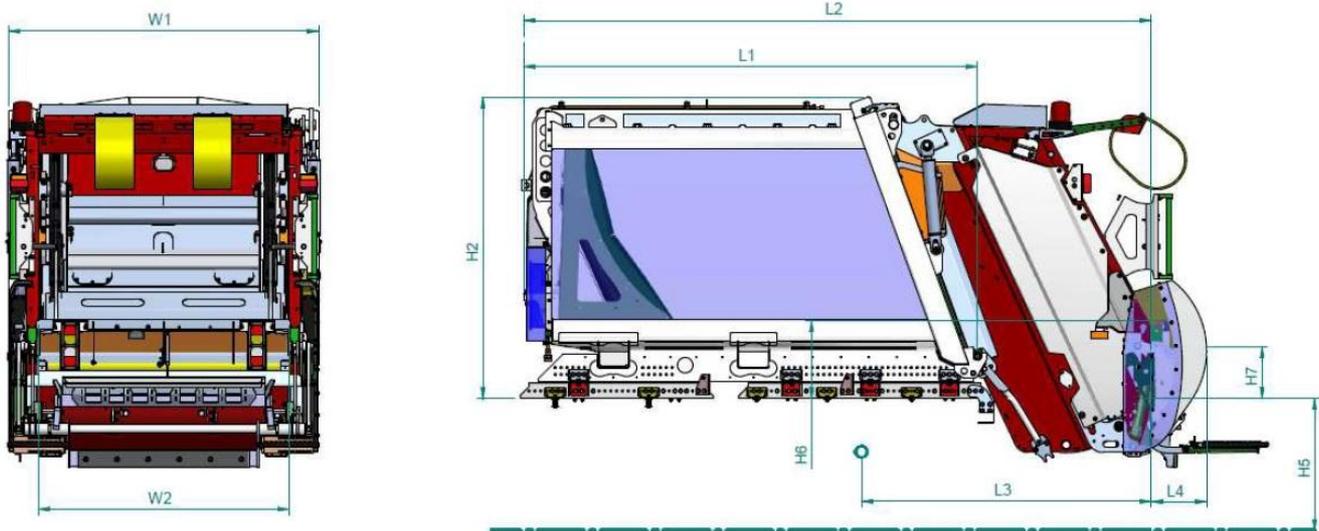


OLYMPUS MINI - REAR LOADER

CE version

Specifications



MODEL		OL-MINI-6	OL-MINI-7	OL-MINI-8
GVW chassis (TN) (1)		7,5 - 8	8,5 - 9	10
Recommended Wheelbase		2700-2900	3100-3350	3500-3800
Recommended Chassis Height (mm)		700-800		
Body useful Capacity (m³)		6	7	8
Body Weight Open Back (Kg)		3040	3134	3219
Footboards and holders (Kg)		110		
Body Floor Length (mm)	L1	2915	3315	3715
Overall Length – without lifter (mm)	L2	4030	4430	4830
Maximum Overhang – without lifter (mm)	L3	1975		
Body Height included sub-frame (mm) (2)	H2	1900		
Rave rail Height vs chassis height (mm) (3)	H6	405		
Height from chassis base to the platform (mm) (3)	H7	200		
Maximum external Width (mm)	W1	2000		
Tailgate internal Width without Bin-lifter (mm)	W2	1600		
Hopper volume (m³)		1		
Packing surface pressure (kg/cm²)		2,3		
Compaction mechanism cycle time (s)		15		
Absortion speed (m³/min)		2,5		
LIFTER		Bar Lifter		
Lifting capacity (Kg)		500		
Lifter weight including DIN arms (Kg)		250		
Lifter overhang (mm)	L4	360		
Lifter comb height (mm). For recom. Chassis height.	H5	820-875		

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(1) Subject to legislation in territory.

(2) Height profile false chassis 110 mm.

(3) Minimum height of floor 1,05 m with EN 1501-1.

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Specifications

Compacting Body

- Constructed from high tensile steel one piece rolled side sheets and braced by front and rear hoops, with pressed integral channels and curved type floor.
- Sides in 3mm S275 EN10025.
- Floor in 3mm S355 EN10025.
- Rear Hoop: 6mm S355 EN10025.
- Barrier Rails: 6mm DOMEX 700 (700 N/mm²).
- Only two greasing points in body and tailgate.

Tailgate

- Full 1.6m uncluttered loading width without lifter.
- Low rake rail height for manual loading.
- 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.
- Hopper: 5mm HARDOX 400 (1000 N/mm²).
- Sides: 6mm HARDOX 400 (1000 N/mm²).
- Retainer Plate: 4mm HARDOX 400 (1000 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 & sweeper: 5mm HARDOX 400 (1000 N/mm²).
- Packer plate base: 4mm HARDOX 400 (1000 N/mm²).
- Nominal 15 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

- Twin vane cartridges hydraulic standard pump that delivers 60 litres/minute at 1000 rpm.
- Body mounted 70 litre tank.
- 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.
- Retention barrier with adjustable pressure.

Lifter

- Bar lifter specially designed for Olympus MINI, welded to tailgate.
- Electro-hydraulic lifter control by means of buttons.
- Equipped with mechanical combs and cover catchers and optionally with rams and DIN arms.
- Suitable for EN-840-1 containers (front loading by comb), EN-840-2 containers (front loading by comb or side loading by DIN arms) and EN-840-3 containers (front loading by comb or side loading by DIN arms).

Safety

- In compliance with European Standard EN1501.
- Automatic body/tailgate locks (using two buttons at the same time) and clean discharge avoid the need to approach to moving parts.
- Interlocks prevent the mechanism from working unless the tailgate is fully lowered.
- 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.
- Double discharge control button, one in cab and another one outside.

Options

- Tank of leachate at the bottom of the hopper.
- Support for the shovel and broom.
- Hand washing tank.
- Hydraulic unloading of underground containers.
- Lifter with cover catcher with rams and DIN arms.
- Available without lifter, as open back.
- Continuous cycle option, with optical barriers.
- Foldable rake rail.
- Weight footboards.
- Oil heater in the hydraulic tank.
- End of compaction mechanism during travel.

- Further standard options please contact a ROS ROCA sales representative.

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