

# OLYMPUS MIDI

## REAR-LOADER WASTE COLLECTION BODY



Discover the new Olympus MIDI: the definitive solution that exceeds market expectations. This equipment not only incorporates all the iconic features of the Olympus series, but also offers a load capacity exceptional, adapting perfectly to chassis of 12 to 16 tons.

Every detail of the Olympus MIDI has been meticulously designed to comply with the rigorous EN-1501 standard, thus guaranteeing maximum quality and safety.

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## REAR-LOADER WASTE COLLECTION BODY



1 Sealing around the entire perimeter of contact between body and tailgate until the maximum height.



2 Minimum overhang.



3 High absorption capacity press.



4 External compaction cylinders.



5 Electrical control panel in an easily accessible place.



6 Ejector plate perfectly fitted to the body.

7 Only 2 lubrication points.

## ADVANTAGES OF THE OLYMPUS MIDI COMPACTION WASTE COLLECTION BODY

- **High payload.**
- **Robust design with an overall lightweight construction:** high quality and strength materials that at the same time warranties the maximum
- **Configurable HMI display:** the majority of the equipment functions can be quickly and intuitively accessed from the cab.
- **Diversity of models:** available in three capacities and three lengths.
- **Availability of own lifters or adaptability with different commercial lifters.**
- **Reduced environmental impact:** low noise level.
- **Compliance with EN-1501 regulations.** This includes aspects such as risk prevention, energy efficiency and protection of the environment.
- **Safety in the workplace:** equipped with automatic body and tailgate closing mechanisms, locking devices, side access door for inspection, weight footboards and ergonomic design.
- **Economical maintenance:** characterised by low and easy maintenance costs.

### Configurable HMI display:

All our Olympus waste collection models are equipped with a multi-function control monitor installed in the vehicle cab which facilitates the fully intuitive configuration of the different equipment functions:

- Tailgate, packer plate, ejector plate, bin-lifter movements and waste type are configured from the cab.
- Integration of different weighing systems shown in the same display with real-time information.
- Auto diagnostic system integrated in the display with information regarding equipment operating status. Includes alarms in the event of malfunction.
- Alarm log. The systems stores up to 2000 alarms in order to facilitate the generation of diagnostic reports.
- Configurable in any language.
- Possibility to configure as a 7" rear camera screen.
- Terberg Connect telematics package that allows you to obtain data remotely, diagnose, adjust, monitor and update them.



## CHARACTERISTICS OF THE OLYMPUS MIDI COMPACTION WASTE COLLECTION BODY

**Wide range of capacities:** 10-11-12m<sup>3</sup>.

**2.390mm width.**

**High compaction ratios:** hasta 6: 1.

**Cycle time 15 seconds.**

**MOC II elevator with proprietary technology** designed especially for this range and compatible with the OmniDEL lift Mono-operado.

**One-man operated.**

It can be mounted on **chassis from 12 to 16t.**

**Payload maximization:** according to the chassis and collection equipments selected.

**Pack on the move:** allows body to finish packing cycle whilst travelling.

**Only 2 lubrication points.**

**Heavy duty packing cylinders** mounted outside the hopper, clear of the loading area.

**Vane pumps** with low-noise level.

**Reduced overhang** for improved weigh distribution and manoeuvrability.

**Hopper clean cycle** in unloading mode.

**Electrical control panel** accessible from ground level.

**Manufactured in high resistance rolled steel** giving greater resistance to abrasion and corrosion.

**Wiring system with "Heavy Duty" connectors** (Euro 6 level).

**LED lights.**

**Optionals:** wide range of accessories and options.

## SPECIALLY DESIGNED LIFTERS FOR THE OLYMPUS MIDI RANGE

### MOC II MULTIFUNCTION LIFT:

For buckets and containers, specially designed for household waste collection, with manual operation by means of buttons.

Lifting system made by comb and/or optionally by means of DIN arms.

With a high lifting capacity of up to 800 kg, a kinematic proven for optimal performance and a system precise and robust apprehension.

**OMNIDEL LIFT:** With robust structure, minimal maintenance and safe operation, this split lifter is perfect for large volume and density urban collections of two-wheeled containers.

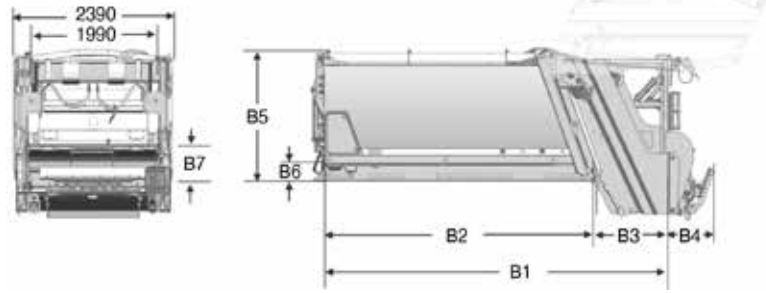
The OmniDEL offers a super-steep container discharge angle which ensures that most materials they are downloaded the first time; sensor system detects materials that have not been discharged and shake the container automatically to empty the container efficiently.

**Olympus MIDI is also prepared to adapt lifters from other manufacturers according to EN 1501-5. Just as the Open Back option.**

## NOTEWORTHY OPTIONS FOR OLYMPUS MIDI EQUIPMENT

- **Variable flow pump:** which supplies only the flow and pressure necessary for each movement, improving equipment performance.
- **Green Mode:** option that facilitates the cancellation of the retention strength of the ejector plate for the collection of cardboard or pre-compacted refuse.
- **Hydraulic unloading** of underground containers.
- **Lifter with lid openers** and DIN arms.
- **Available without lifter**, as open back.
- **Foldable rave rail.**
- **Footboards.**
- **Shovel and brush.**





MODEL		OL-MIDI 10	OL-MIDI 11	OL-MIDI 12
GVW chassis (t) (1)		12-14	14-16	14-16
Recommended Wheelbase: 1-2 (mm)		3250-3350	3500-3600	3690-3800
Body useful capacity (m³)		9,8	10,7	11,7
Body Weight (Open Back) (Kg)		3670	3750	3830
Overall length (No binlift) (mm)	B1	4500	4750	5050
Overall length – Raised Tailgate (No binlift) (mm)		5500	5750	6050
Body length (mm)	B2	3385	3635	3935
Tailgate length (mm)	B3	1115		
Body height (mm) (1)	B5	2000/2110		
Body height – Raised Tailgate without binlift (mm) (1)		3500/3610		
Body platform height (mm) (1)	B6	240/350		
Rave rail height from chassis frame (mm) (1) (2)	B7	490/600		
Maximum external width (mm)		2390		
Tailgate int. width without lifter (mm)		1990		
Hopper volume (m³)		1,24		
Compaction mech. swept volume (m³)		0,78		
Compaction mechanism cycle time (s)		17		
Absorption speed (m³/min)		2,75		
BINLIFT	Lifting capacity (kg)		500Kg (800Kg Option)	
	Lifter weight w/o DIN arms (kg)		360	
	Lifter overhang (4) (mm)	B4	420	
	Binlift comb height (mm)		820	
	Binlift cycle time (s) (3)		8-10/10-12	

NOTE: This document and the information or advice given to the customer is for guidance only and does not constitute any contractual obligation. Nor does it constitute any obligation, warranty or liability on the part of Ros Roca. All specifications are subject to manufacturing tolerances. A margin of  $\pm 2\%$  must be considered for all weights. Additional equipment may alter dimensions and weights.

(1) Without subframe / With subframe.

(2) With MOC 2 binlift. Please contact RR for other binlift options.

(3) 2-wheeled bins /4-wheeled containers.

(4) Without footboards. If footboards are present, overhang increased in 170mm.

### Certifications

- Compliance with European standard EN1501-1 and EN1501-5.
- Compliance with Directive 2006/42/EC on machinery safety.
- Compliance with European standard 2000/14/EC on noise emission.
- Certificate of hydraulic fluid cleanliness in accordance with ISO 4406.



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