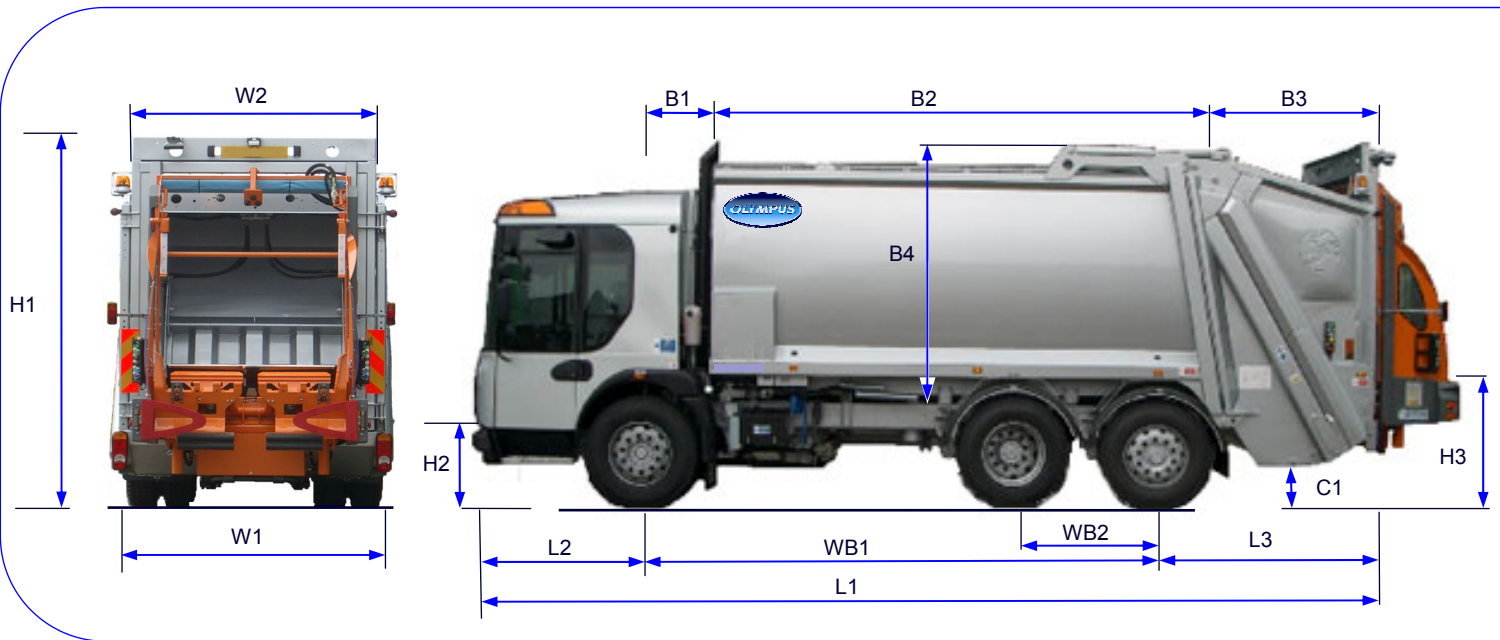


# Olympus Series - Smooth Body RCV

## EURO 5 - NARROW TRACK

6 x 2 Narrow RS



Vehicle Model	OL-16N 6x2 RS	OL-19N 6x2 RS
Compacting Body volume (m <sup>3</sup> )	16.2	18.7
Chassis type	Elite 2 6x2 Rear Steer	Elite 2 6x2 Rear Steer
Maximum GVW (kgs)	24000	26000
Unladen weight - no options (kgs) (a)	12220	12640
Front axle Plated Weight	7100 kgs *	8000 kgs
Rear Bogie Plated Weight	18600 kgs	19000 kgs
WB1	Wheelbase	4650
WB2	Axle 2 to 3	1350
TWB	Theoretical Wheelbase	3840
L1	Overall Length	8490
L2	Overall length - tailgate raised	9620
L3	Front overhang	1665
L4	Rear overhang	2125
L5	Rear Overhang - tailgate raised	3255
W1	Overall width	2250
W2	Width inside hopper	1900
H1	Overall height at exhaust tip	3500 (nominal)
H2	Overall height - tailgate raised	5050
H3	Overall height - at RCV body	3420
H4	Floor height (inside cab)	790
H5	Manual loading height - open-back	1050
B1	Axle 1 to front of RCV body	650
B2	Body floor length	4660
B3	Tailgate length	1515
B4	RCV body height from chassis	2455
C1	Ground Clearance - Rear unladen	410
C2	Approach angle	15.5°
C3	Departure angle	16°
	Turning Circle - metres (b)	14.2
		15.8

- (a) Typical bin-lifting equipment will add up to 900kg  
 (b) Turning circles quoted are kerb-to-kerb with standard tyres, for wall-to-wall figures add 1600mm.  
 \* Front axle optional plating at 8000kg with 315/80R 22.5 tyres.

NOTE: Unless otherwise stated, all dimensions are nominal, in mm and represent an unladen condition. All specifications are subject to manufacturers tolerances. An allowance of +/- 2% should be made for all weights. All weights are in kgs and include AdBlue, 50 litres of fuel, oil and water. Additional equipment may alter dimensions and weights quoted. Weight data is based on Volvo D7F engine and Allison MD3000 series gearbox.

**Euro 5**



## Olympus Series - Smooth Body RCV EURO 5 - NARROW TRACK

### 6 x 2 Narrow RS

#### 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/mm<sup>2</sup>)
- Rear Crossmember: 6mm DOMEX 650 (650 N/mm<sup>2</sup>)
- 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.

#### Hopper

- Optimised 2.4 m<sup>3</sup> 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 bin-lift mounting with bolt-on rake rail adaptor for bin-lifts.
- Substantial pressed side plates form integrated channels to guide the packing mechanism.
- Hydraulic pack cylinders are positioned to eliminate damage from waste.
- Reduced overhang for improved weight distribution and manoeuvrability.
- Integral rear frame for binlift mounting.
- Floor: 8mm HARDOX 400 (400 HB- 1000 N/mm<sup>2</sup>)
- Sides: 7mm HARDOX 400 (400 HB- 1000 N/mm<sup>2</sup>)
- Rake Rail: 4mm HARDOX 400 (400 HB- 1000 N/mm<sup>2</sup>)
- Retainer Plate: 4mm WELDOX 700 (700 N/mm<sup>2</sup>)

#### Packing Mechanism

- Proven two-plate fabricated packer / sweeper design.
- Manufactured using high tensile abrasion resistant steel.
- Slides within hopper channels on low friction self lubricating bearings.
- Heavy duty packer and sweeper cylinders.
- The remaining structural elements are constructed in steel S355 EN10025 (355 N/mm<sup>2</sup>)
- Base sheet & tube: 4mm HARDOX 400 (1000 N/mm<sup>2</sup>)
- Sweeper plate base: 6mm HARDOX 400 (1000 N/mm<sup>2</sup>)
- Nominal 18 second cycle time.

#### Refuse Ejection Barrier

- Barrier face is manufactured from high tensile abrasion resistant steel, forming a smooth and unobstructed discharge surface.
- Pressure regulation of the barrier from cab display.
- Self lubricating bearings guide the barrier 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 delivers 88 litres/minute at 1000 rpm.
- Body mounted 125 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 sweeping cylinders fitted with maintenance free spherical bearings.
- Heavy duty inverted packing cylinders mounted outside the hopper, clear of the loading area.
- Roof mounted hopper lift cylinders
- Retention barrier with adjustable pressure.

#### Safety

-  Approved. Safe by design.
- Circuit designed to enhance Health & Safety features, and installation of binlifts.
- Prepared for EN1501-1:2009 & prEN 1501-5:2009.
- Two-plate design, automatic body/hopper locks and clean discharge remove the need to approach moving parts.
- Interlocks prevent the mechanism from working unless the hopper is fully lowered.
- Automatic gearbox interlocks enhance safe operations.
- Hopper lift rams are fitted with integral pilot operated load holding valves so that even if a hose fails, or is removed, the hopper cannot descend unless positively powered downwards.
- Indicator icons show the driver when the mechanism is in operation, and when the hopper is out of its locks.
- In cab discharge controls as standard, with external hopper lower controls for optimised safety.
- Interlocked access door for safe maintenance operations.

#### Options

- A range of compatible binlifts and DIN frames are available.
- Ladder to access the side door of the body.
- Leachate Tank between body and hopper.
- Brush & Shovel with mountings.
- Hand Wash Unit.
- Rubber Sweeper Flap
- For details of specifications and further standard options please consult a Dennis Eagle Sales representative.

Dennis Eagle Ltd. (the company) reserves the right to change the specification, design, material, procedures and dimensions of the vehicles described herein without prior notice at any time in the future, in accordance with the company's constant product improvement policy.

DENNIS EAGLE LTD. Heathcote Way, Heathcote Industrial Estate, Warwick CV34 6TE. UK  
Tel: 00-44-(0)1926-316000 Fax: 00-44-(0)1926-316550 www.denniseagle.net sales@dennis-eagle.co.uk



**DENNIS EAGLE LTD**  
DESIGNED WITH YOU IN MIND

# Euro 5