

# OLYMPUS Duo - 6x2RS Wide - Kitchen & Food Waste Recycler

Elite 2 - 6x2RS Wide Track - Euro 5 EEV

SPECIFICATIONS



Vehicle model		OL-13W 6x2RS + Combi Recycling Box		
Compaction body type - effective volume(s)		Olympus 13W (13 m <sup>3</sup> )		
Elite chassis type		6x4RS (Rear Steer) Wide Track		
GVW (Gross Vehicle Weight)		26000		
Front axle plated weight		8000 (7100*)		
Rear axle/bogie plated weight		19000		
Air suspension		Front: 'Air-Assist' optional, Rear: standard		
Recycling box type		Terberg Combi narrow recycler box with pannier binlift - top discharge		
Recycling box type (capacity m <sup>3</sup> )		KS2.5TD (2.5)	KS4.0TD (4.0)	KS5.0TD (5.0)
V1	Overall wheelbase	4950	5350	5550
Turning circle - overall (metres)		16.0****	17.2****	17.8****
Vehicle unladen weight***		13950	14350	14450
V2	Overall length	8940	9240	9440
	Overall length - tailgate raised	10020	10320	10520
V3	Front axle to front of compaction body	2300	2600	2800
V4	Front overhang		1665	
	Front overhang - cab tilted		3465	
V5	Rear overhang	2235	2235	2235
	Rear overhang - tailgate raised	3315	3315	3315
V6	Overall height		3740	
	Overall height - tailgate raised		5100	
V7	Height at exhaust tip - nominal		3500	
V8	Cab roof height		3040	
	Cab roof height - cab tilted		3600	
V9	Cab floor height		805	
V10	First cab step height from ground		435	
V11	Rave rail height		1050	
V12	Ground clearance at lowest part of vehicle		250	
V13	Ground clearance - tailgate		435	
V14	Approach angle		15.5°	
V15	Departure angle		15°	

(\*) Optional front axle plated weight of 7100 kg with 295/80R22.5 tyres.

(\*\*\*) Typical rear mounted lifting device equipment will add up to 1200 kg.

(\*\*\*\*) Turning circle shown is for worse case, fitment of optional tyres may reduce turning circle.

**NOTE:** Unless otherwise stated, all dimensions are nominal, in mm and represent an unladen vehicle without a lifting device and fitted with standard tyres; tyre deflection is not included. On vehicles equipped with optional air suspension, heights may differ. All specifications are subject to manufacturers tolerances. An allowance of +/- 2% should be made for all weights. All weights are in kgs and include oil and water, and on diesel fuelled vehicles, AdBlue and 50 litres of fuel. Additional equipment may alter dimensions and weights quoted.

**DENNIS EAGLE**

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## SPECIFICATIONS

### Chassis

- Elite 2 6x2RS (Rear Steer) Wide Track.
- Cab - Low floor with one step entry, Cromwell stainless steel construction, standard seating for driver + 3 crew, optional driver + 1 or driver + 4 seating.
- Engine - Volvo (Euro 5 & EEV) D7F 260/300 bhp, 6 cylinder, 7.142 litre in-line diesel.
- Braking system - full air - twin circuit, ABS, 4 wheel parking brake.
- Gearbox - Allison MD 3000, 6 speed automatic.
- For detailed specification and options, see relevant Elite 2 Datasheet.

### 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 4 mm S275 EN10025, Roof in S355 EN10025.
- Floor in three sections across width: 4-5 mm S355 EN10025.
- Rear hoop: 5-6 mm S355 EN10025.
- Barrier rails: 8 mm DOMEX 700 (700 N/mm<sup>2</sup>).
- Rear cross-member: 6 mm 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. (100 mm depth).
- Only two greasing points in body and tailgate.

### Tailgate

- Optimised 2.8 m<sup>3</sup> swept volume capacity, resulting in fewer packing cycles, reducing wear, fuel consumption and noise.
- Full 2.2 m uncluttered loading width without lifting device.
- Low rave rail height for manual loading and versatile lifting device mounting with bolt-on rave 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.
- Floor: 8 mm HARDOX 400 (400 HB- 1000 N/mm<sup>2</sup>).
- Sides: 7 mm HARDOX 400 (400 HB- 1000 N/mm<sup>2</sup>).
- Rave Rail: 4 mm HARDOX 400 (400 HB- 1000 N/mm<sup>2</sup>).
- Retainer Plate: 4 mm WELDOX 700 (700 N/mm<sup>2</sup>).

### Compaction 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/mm<sup>2</sup>).
- Base sheet & tube: 4 mm HARDOX 400 (1000 N/mm<sup>2</sup>).
- Packer plate base: 6 mm HARDOX 400 (1000 N/mm<sup>2</sup>).
- 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 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 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.
- Circuit designed to enhance Health & Safety features, and installation of lifting devices.
- Prepared for EN 1501-1:2011 & EN 1501-5:2011.
- 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 optimised safety.
- Interlocked access door for safe maintenance operations.

### Recycling Box

- Fabricated steel construction with fully 'tanked' pod, means no liquid leak. Mounted in robust steel frame.
- Pneumatically locked lid.
- 500 kg capability 'trough' pannier lift with integral clamp for 240 litre wheeled waste containers.
- Payload emptied to right-hand side of vehicle by means of high-level tipping pod with safety valves to hydraulic cylinders.
- In-cab controls for tipping and door operation.
- Push button controls for lifter operation.
- TL360 Pannier lifting device for single 240 litre or 360 litre waste container - optional 2 x TL360 or 1 x TL1280 on 5.0 m<sup>3</sup> body (for 1100 litre waste containers).

### Options

- A range of compatible lifting devices and DIN frames are available.
- Ladder to access the side door of the body.
- Leachate tank between body and tailgate.
- Brush & shovel with mountings.
- Hand wash unit.
- Rubber packer plate flap.

### For more details of specifications and options please consult a Dennis Eagle Sales representative.

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