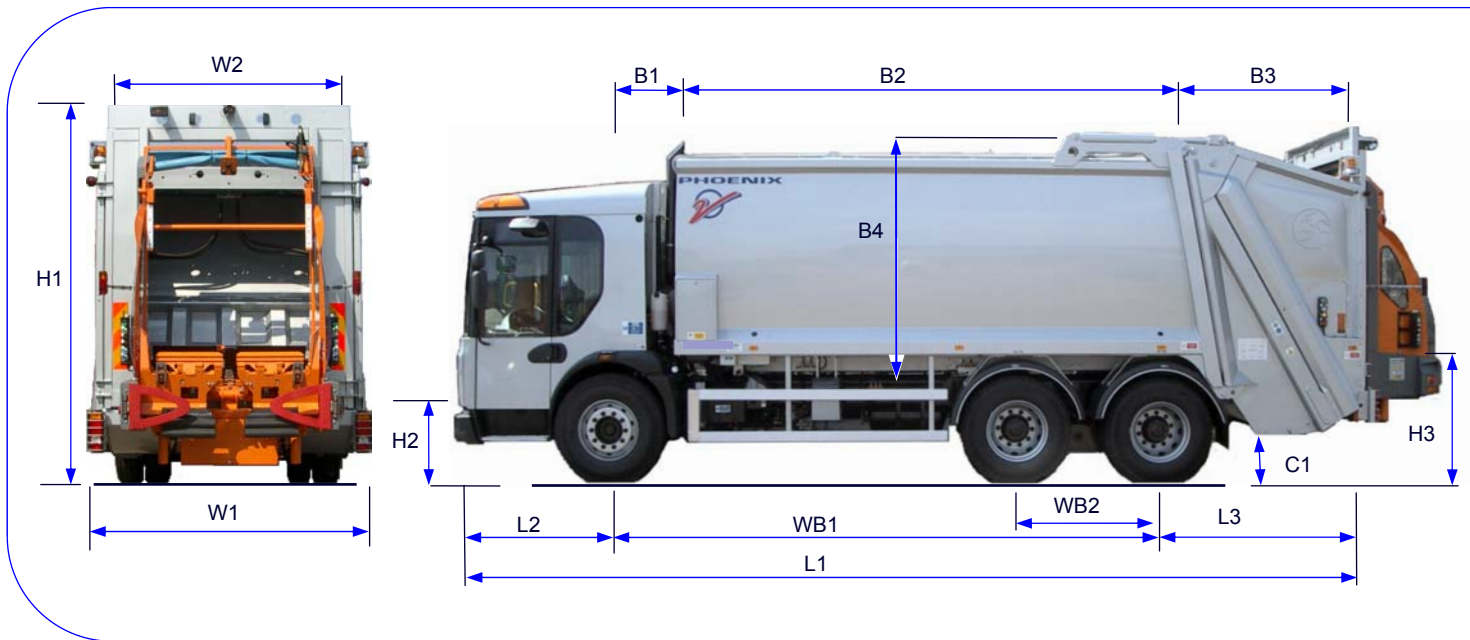


Phoenix 2 Series - Smooth Body RCV

EURO 5i - WIDE TRACK

6 x 4 Wide



Vehicle Model	Phoenix 2-18W 6x4	Phoenix 2-20W 6x4	Phoenix 2-23W 6x4
Compacting Body volume (m ³)	19.45	22.20	24.07
Chassis type	Elite 2 6x4	Elite 2 6x4	Elite 2 6x4
Maximum GVW (kgs)	26000	26000	26000
Unladen weight - no options (kgs) (a)	12720	13180	13280
Front axle Plated Weight	7100 kgs *	8000 kgs	8000 kgs
Rear Bogie Plated Weight	19000 kgs	19000 kgs	19000 kgs
WB1 Wheelbase	4750	5300	5600
WB2 Axle 2 to 3	1385	1385	1385
TWB Theoretical Wheelbase	4200	4670	4840
L1 Overall Length (excluding binlift)	8490	9090	9390
Overall length - tailgate raised	9620	10220	10520
L2 Front overhang		1665	
L3 Rear overhang		2125	
Rear overhang - tailgate raised		3255	
W1 Overall width		2530	
W2 Width inside hopper		2200	
H1 Overall height at exhaust tip		3500 (nominal)	
Overall height - tailgate raised		5050	
Overall height - at RCV body		3420	
H2 Floor height (inside cab)		790	
H3 Manual loading height - open-back		1050	
B1 Axle 1 to front of RCV body		650	
B2 Body floor length	4660	5260	5660
B3 Tailgate length		1515	
B4 RCV body height from chassis		2455	
C1 Ground Clearance - Rear unladen		410	
Approach angle		15.5°	
Departure angle		16°	
Turning Circle - metres (b)	16.5	18.9	19.9

(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.

* In open-back form front axle plating at 8000kg required with 315/80R 22.5 tyres. # Optional Cycle guards shown for illustration purposes only

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 D7E 290 bhp engine and Allison MD3000 series gearbox.

Euro 5i



Phoenix 2 Series - Smooth Body RCV

EURO 5i - WIDE TRACK

6 x 4 Wide

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.
- Fitted with under-floor sump to prevent liquid seepage and to allow clean discharge of any liquid content.

Hopper

- Optimised 2.8m³ swept volume capacity, resulting in fewer packing cycles, giving the benefits of reduced wear, fuel consumption and noise.
- Full 2.2m uncluttered loading width.
- Low rake rail height for manual loading and versatile binlift mounting with bolt-on rake rail adaptor for binlifts.
- Sides and floor manufactured from high tensile abrasion resistant steel.
- Substantial pressed side plates form integrated channels to guide the packing mechanism.
- Integral full height body/hopper seal fitted to prevent liquid leakage from bottom edge and hopper sides.
- Reduced overhang for improved weight distribution and manoeuvrability.

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.
- Nominal 21 second cycle time.

Refuse Ejection Barrier

- Barrier face is manufactured from high tensile abrasion resistant steel, forming a smooth and unobstructed discharge surface.
- Ertalon LFX 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.
- 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.
- Circuit designed to enhance Health & Safety features, and installation of binlifts. (EN1501-1 compliant)

Hydraulic System

- Quiet, PTO mounted close-coupled standard pump delivers 88 litres/minute at 1000 rpm.
- Body mounted 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.
- Separate 2 spool electro-pneumatic operated valves control all system functions.
- 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

Safety

-  Approved. Safe by design.
- 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 lights 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.
- High level auxiliary rear lights.
- Interlocked access door for safe maintenance operations.

Options

A range of compatible proprietary binlifts and our own Beta 2 trade-lifter are available, for more details of specifications and further standard options please consult a Dennis Eagle Sales representative.

Euro 5i

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.

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