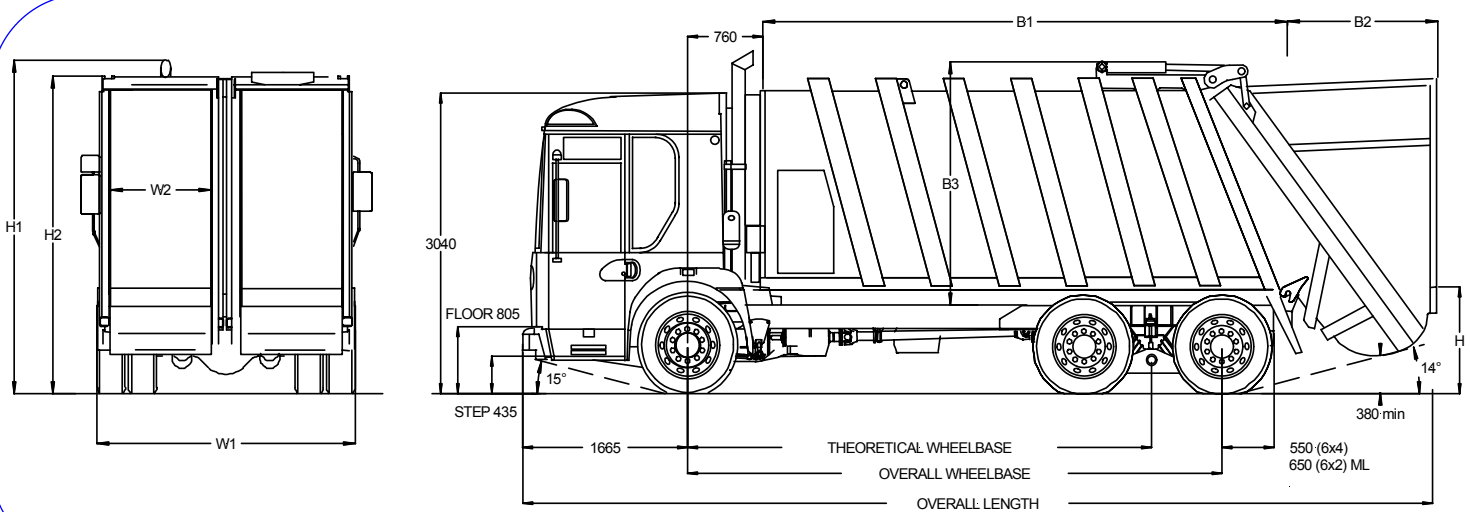


# Phoenix High Capacity TwinPack 50/50

EURO 5i - WIDE TRACK 50 / 50 Split

# Euro 5i



HCTP 50/50 shown, mounted on Dennis Eagle Elite 2 - 6x4

Phoenix Body Type / Volume		TwinPack 50 / 50 20m <sup>3</sup>
Elite 2 Chassis type		6x4
GVW		26000*
Unladen weight - without options		15420
Overall wheelbase		5400
Theoretical wheelbase		4700
Axle 2 to 3 bogie spread		1385
Overall length (open-back hopper)		9305
Overall length - tailgate raised (open-back hopper)		10170
Front axle to front of body		Minimum 730
Front overhang		1665
Rear overhang (open-back hopper)		2185
Rear overhang - tailgate raised (open-back hopper)		3050
Overall width	W1	2550
Width inside tailgates - each hopper	W2	1034
Overall height - tailgate raised		5300
Overall height - exhaust tip (nominal)		H1 3525
Overall height to top of tailgate lift cylinders		H2 3280
Manual loading height		H 1150
Body floor length	B1	5320
Tailgate length	B2	1500
Body height from chassis	B3	2140
Turning Circle - metres (a)		20.6*
Ground clearance - front (Front Under-Run Protection fitted)		360
Ground clearance - rear		400
Approach angle		15°
Departure angle		14°

- (a) Turning circles quoted are kerb-to-kerb with standard tyres, for wall-to-wall figures add 1600mm.  
\* Front axle plating of 8000 kgs required for 6x4 HCTP 20

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 engine and Allison MD3000 series gearbox.



# Phoenix High Capacity TwinPack 50/50

EURO 5i - WIDE TRACK 50 / 50 Split

# Euro 5i

## Body

- The Phoenix High Capacity Twin Pack 50/50 has 2 totally separate body air spaces constructed from high tensile steel and braced by hoops, with two rolled steel longitudinal channels under the floor.
- The body is divided longitudinally to give two separate 10 cubic metre body capacities:-

## Tailgate

- Two totally independent tailgates.
- Low rake rail height for manual loading and versatile binlift mounting.
- Sides and floor manufactured from high tensile abrasion resistant steel.
- Substantial pressed side plates form integrated channels to guide the packing mechanism.
- Heavy duty automatic body locks.
- Integral body seals fitted to prevent liquid leakage from bottom edge and lower sides.
- Integral tailgate props.

Size	Each Hopper
Swept volume capacity (m <sup>3</sup> )	0.93

## Packing Mechanism

- Totally independent two-plate packer / sweeper design.
- Manufactured using high tensile abrasion resistant steel.
- Strong box-girder construction.
- Sweeper plate pivots on heavy duty phosphor-bronze bearings.
- Slides within hopper channels on low friction self lubricating bearings.

## Refuse Ejection Barrier

- Separate ejection barriers.
- Barrier face is manufactured from high tensile abrasion resistant steel, forming a smooth discharge surface.
- Phosphor bronze bearings guide the barrier along rails within the body.
- Multi-staged double acting hydraulic cylinders, enable efficient ejection and retraction.


## Electrical System

- Independent electrical logic systems.
- Control printed circuit boards housed in weatherproof boxes, at rear and sides of vehicle.
- Switches and control stations are high quality sealed items.
- Number and colour coded wiring for easy identification, maintenance and fault finding.
- Weatherproof switch, plug and socket connectors.
- Circuit designed to enhance Health and Safety features, and installation of binlifts. (EN1501-I compliant)

## Hydraulic Systems

- PTO mounted pump delivers 0.9 litres/second at c. 1200 rpm, to each independent hydraulic system.
- Full flow 12 micron pressure filter controls contaminant levels in each system.
- Engine speed is maintained via a second throttle when hydraulic power consumption increases.
- Four-spool electro-pneumatic operated valve controls all system functions.
- Main valves housed on valve trays, under the section of the body they control, these can be replaced as complete units.
- All cylinders are double acting with hard chromed rods for long life.

## Safety

-  Approved. Safe by design.
- Low bodywork minimises risk of roll-over when asymmetrically loaded.
- Two-plate design, automatic body locks and clean discharge remove the need to approach moving parts.
- Interlocks prevent the mechanism from working unless the tailgates are fully lowered into their locks.
- 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.
- Integral mechanical props for safely supporting the hopper during maintenance operations.
- In cab audio / visual "tailgate raised" warning.
- Illuminated external control stations.
- Interlocked access door for safe maintenance operations.

## Options

**For more details of specifications and 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.*

