

Vehicle type		One-Pass (Phoenix High Capacity Twin Pack 15 + Recycler body)
Compacting body (HCTP) volume (m ³)		Small = 5.0m ³ Large = 10.0m ³
Recycler body volume (m ³)		See reverse for details
Chassis type		Dennis Eagle Elite 6x4
GVW (Tonne)		26000
Unladen weight - no options (kg)		16690
Turning circle (a)		18000
Overall wheelbase		6200
Theoretical wheelbase		5500
Axle 2 to 3		1385
Overall length		10280
Overall length - tailgate raised		11180
Front overhang		1665
Rear overhang		2415
Rear overhang - tailgate raised		3315
W1	Overall width	2550
W2	Width inside hopper - small tailgate	685
W3	Width inside hopper - large tailgate	1385
Overall travelling height (exhaust tip)		3525
Overall height - tailgate raised		4950
Overall height to top of bodywork		3390
Floor height (inside cab)		805
H	Manual loading height	1160
Axle 1 to front of Phoenix body		2635
B1	Body floor length	4280
B2	Tailgate length	1500
B3	Body height (from chassis)	2140
Ground clearance-rear		380 minimum
Approach angle		14°
Departure angle		14°

(a) Turning circles quoted are kerb-to-kerb, for wall-to-wall figures add 1250mm.

NOTE: Unless otherwise stated, all dimensions are nominal, in mm and represent an unladen condition. All specifications are subject to manufacturers' tolerances. All weights are in kg and include oil and water. Additional equipment may alter dimensions and weights quoted. Typical triple chair bin-lifting equipment will add up to 1200kg. Weight data is based upon Volvo DE7 engine.



COMPACTING BODY

- The Phoenix High Capacity Twin Pack 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 the following capacities:-
 - Small compartment = 5.0m³
 - Large compartment = 10.0m³

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.

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.
- Direct wired control switches housed in weatherproof boxes, at sides and rear of vehicle.
- Switches and control stations are high quality sealed items.
- Internal and external control stations.
- Connecting wires are protected by abrasion resistant conduits.
- Circuit incorporates logic for Health and Safety features.

HYDRAULIC SYSTEMS

- PTO mounted dual pump delivers oil to each independent hydraulic system.
- Full flow 12 micron pressure filter controls contaminant levels in each system.
- Engine speed is maintained when hydraulic power consumption increases by automatic throttle actuator.
- Four-spool electro-pneumatic operated valve controls each body system.
- Main valves housed in valve trays, under the section of the body they control, they 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.
- Interlocked access door for safe maintenance operations.

RECYCLING BOX

- Fabricated steel construction.
- Fully enclosed load area.
- Available with flat or sloped floor.
- Capacity with flat floor = 5.8 m³
- Capacity with sloped floor = 5.0m³
- Standard 'pannier' type side-mounted lift, 150kg capacity.
- Optional 550kg capability side-mounted 'wheelie' bin lift.
- Payload emptied to RHS of vehicle by means of pneumatically actuated locking doors.

OPTIONS

Please consult your Dennis Eagle Sales representative for further details.

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