

High Capacity Twin Pack

Refuse Collection Vehicles



DENNIS EAGLE LTD
DESIGNED WITH YOU IN MIND

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Dennis Eagle's history goes back over 100 years with continuous involvement in the manufacture of specialist vehicles 'tailor made' to exceed our customers' expectations. With particular strengths in the areas of design, manufacture and support of refuse vehicles, Dennis Eagle was the first in the sector to introduce the stainless steel cab, the low-entry cab and automatic transmission.

In December 2000, Dennis Eagle purchased Jack Allen (Refuse Services) Ltd which extended its product range and after-sales provision providing a total of nine service centres and the largest number of service engineers in the UK.

No competitor can provide the quality of product and innovation of design offered by Dennis Eagle or the option of a complete vehicle designed and manufactured in the UK. Our extensive service provision and focus on after-sales care is complemented by one of the most modern manufacturing facilities in Europe. At Dennis Eagle, we offer our customers either complete vehicles, chassis or bodies with one consistent feature - the knowledge you are choosing the best.

Customers focusing on the lifetime costs of their vehicles and operational support (training, service, parts supply, etc) choose Dennis Eagle time and time again as we are consistently proven to be the right choice.

The High Capacity Twin Pack leads the way in two-compartment refuse compacting bodywork. With two separate bodies and tailgates and two interdependent operational systems, it addresses the problem of contamination at the recycling facility and alleviates concerns regarding reliability and performance.



Features

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.

TAILGATE

- Two totally independent tailgates.
- Low rave 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 faces are 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 of vehicle.
- Switches and control stations are high quality sealed items.
- Illuminated external control stations.
- Connecting wires are protected by abrasion resistant conduits.
- Circuit incorporates logic for Health and Safety features.

HYDRAULIC SYSTEMS

- PTO mounted pump delivers 0.9 litres/second at 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

- CE Approved. Safe by design.
- Low centre of gravity 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

Please consult your Dennis Eagle Sales representative for further details.



Locations throughout the UK and Ireland

For your nearest location please call **01926 316000** or visit www.dennis-eagle.co.uk

Key

- Service Centres
- ◇ Mobile Service Engineers
- Distributors



DENNIS EAGLE LTD
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Head Office

Heathcote Way, Heathcote Industrial Estate, Warwick CV34 6TE Tel: **01926 316000** Fax: **01926 316550**

www.dennis-eagle.co.uk

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