

MEDIUM X4

Refuse collection vehicle



MEDIUM X4

Technology

This visually convincing refuse collection vehicle with a functional design and short tail overhang is due to its manoeuvrability ideal for inner-city use.

The MEDIUM X4 has a rigid, smooth-surfaced body with a curved contour and 2 externally mounted longitudinal reinforcing profiles.

The angular position of the end frame on the body has been increased from 70° to 80°. This results in a volume gain of 1.0 m³.

The tailgate with short overhang offers a standardized solution for lifter attachment and an integrated, ergonomic operator terminal with LED lighting support for body operation on both sides.

The weight reduction of the tailgate, e.g. roof-mounted lifting cylinder, causes a shift of the centre of gravity in the direction of the cab.

The new operator ZCS- terminal in the cab allows intuitive operation via jog dial. The image is displayed on a high-resolution 7" - colour TFT monitor with self-explanatory symbols.

With a swivel hinged door, High-Level lifters (e.g.: DELTA 2301 / 2318) can be used for emptying standard container sizes according to DIN EN 840-1 to 3.

The addition of the new, integrated Lifter DELTA 2316 in lightweight design leads to additional weight and payload advantages for the overall vehicle and enhanced usability.

Main features

- Effective volume from 14 to 29 cbm.
- Body width 2550 mm.
- Large hopper, loading volume 6.2 m³/min.
- 2 externally mounted reinforcing profiles.
- Mounting rails with variable fixing points for panel mounting.
- Low-wear guidance of the ejection plate on plastic slide blocks.
- Double-acting hydraulic telescopic cylinder for moving the ejection plate and laser-distance measurement of the ejection plate.
- When the function **Lower tailgate** is activated, the ejection plate automatically moves back about 500 mm.
- Recyclable material circuit with infinitely adjustable valves for counter pressure adjustment of the ejection plate, adaptable to the different fractions.
- Short cycle time of the compaction mechanism through the standard intelligent ZOELLER compaction unit control (parallel connection of carriage plate and press plate movement).
- Improved safety against manipulation through combined footboards (position and weight monitored).
- Ergonomic control panel incl. LED lamps for optimal illumination of the controls.
- Optional LED lamps in the lifter unit for an optimal illumination of the working area.

Advantages

- Great geometric accuracy of the body through roll-formed profiles in the roof and floor area and the guide rails for the ejection plate. Efficient cleaning with minimal dirt traps.
- Innovative technology incorporating proven components.
- Substantially reduced maintenance costs through the standard electrical centralized lubrication system with grease-level control in the cab (as an option also available for the lifter).
- Long life of the hopper through the use of high wear-resistant steel (hopper 8 mm and side walls 4 mm).
- Convenient access to the central electrical system.
- Compaction mechanism mounted on slide blocks. In order to minimize deposits in the guide rails filling material is introduced between the slide blocks.
- Optimum leak tightness the interior carriage plate cylinders and fully circumferential tailgate seals.
- Energy-efficient operation due to reduced oil quantities.
- Advertising foils can be mounted directly on the smooth body, alternatively in a clip-in frame.
- Safety equipment in accordance with Machinery Directive 2006/42/EG, DIN EN 1501-1 and DIN EN 1501-5.
- Pump circulation control as standard.

The all-rounder with the 4 decisive advantages:



- Angular position of the end frame on the body increased to 80°.
- Increased payload with the same compaction forces
- Tailgate with short overhang
- Shift of the centre of gravity towards the cab.



Interior carriage plate cylinders



Operating controls on the body



ZOELLER-CONTROL-SYSTEM - Operator terminal in the cab

MEDIUM X4

Options

- ZOELLER CLEAN Option
- PREMIUM compactor cylinder with piston rod pointing upwards (increased protection against damage)
- Birds-eye view 360° camera system
- Fire extinguisher
- Tool boxes
- Billboard frame
- Organic waste equipment
- Additional filters, e.g. partial-flow filter
- LED lighting / working lamp
- Wheel-track lighting
- Hand-wash device
- Lifter-mounting frame for Low-Level lifters for emptying of 2- or 4-wheeled containers in acc. with EN 840-1/ -2/ -3:
 - OMEGA 359
 - DELTA 2301 / 2318
- DELTA 2316 (integrated lifter)
- Service contract
- Full-service contract
- and many others ...

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Technik entscheidet

Technical innovations, high quality for maximum durability have made ZOELLER the largest manufacturer of hydraulic lifting/tipping devices for waste disposal.

Five technically mature platforms:

- DELTA
- ROTARY
- GAMMA
- OMEGA
- MEGA

are the basis for a high degree of customer-oriented variants.

ZOELLER is a turnkey supplier for rear loader type refuse collection vehicles, delivering on the basis of the following product lines:

- MICRO
- MINI
- MEDIUM
- MAGNUM

a unique range of body versions from 2 to 31 m³.

The portfolio is rounded off by

- Side loader
- Interchangeable systems in different versions
- Special vehicles

ZOELLER **High-Level lifter** for closed refuse collection in residential and commercial areas

- The high performance DELTA:
The lifter system for the greatest collection performance

ZOELLER **Low-Level lifter** for open refuse collection in residential and commercial areas

- The compact ROTARY lifter:
The lifter for flexible collection
- GAMMA:
The lifter for the individual collection
- The comfortable OMEGA lifter:
Great functionality in solid structure



ZOELLER **Commercial-lifter** for the collection of large containers and commercial waste

- Allrounder MEGA:
The sophisticated bulk-refuse container lifter for universal applications

ZOELLER guarantees with its platform strategy in time production of highest quality and absolute flexibility for individual customer requests.

ZOELLER stands for solidity and durability, high availability, sophisticated ergonomics as well as occupational safety, profitability, internationality

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