

Lifter DELTA -2322

High-Level Lifter



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The new automatic lifter with two independent lifting cylinders, tipping units and lifting combs, a continuation of consistent development based on the long-proven DELTA lifter series.

Using simplistic reliable hydraulic and electric components combined with weight optimized mechanical elements guaranteeing trouble-free synchronisation of the lifter units with maximum occupational safety at the same time.

The steel lifting carriage -light in the standard version reduces the lifter weight to less than 700kg^{**}).

The functional yet attractive, purposeful design with smooth, easy-to-clean panels and trim, allowing optimal maintenance access. The design allows additional integration of optional features, such as: External additional display, additional cameras (footboard monitoring /270° /360° Bird-view), control panel light and working light as well as WPS-II sensors^{*)}.

Ergonomic, encapsulated operating controls with operating mode selection for manual, semi- or fully automatic emptying processes, switching between single / combined mode.

Safety controller with integrated display, control panel and an external interface, allowing diagnostics and system management, coupled with active safety sensors to avoid failures and maloperations.

Active, split container retention for low-stress container emptying with optional 'active' lid opener rails integrated in the lifter housing for 4-wheeled containers with domed lid.

New robust safety barrier design with pull-out barrier as an option for emptying of 4-wheeled containers in the fully-automatic mode.

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Market sector

- Residential and commercial areas
- Optimal for 1-men-operation with two independent lifter units

Container range

- 80-340 ltr. bin - EN 840-1
- 500-1200 ltr. container EN 840-2 - flat-lid
- 770-1300 ltr. containers EN 840-3 - dome lid
- Special containers depending on model

Power source / Method of operation

- Separate lifting/tipping movement via hydraulic lifting shake cylinder with connected lever parallelogram,
- Linear, vertically directed lifting movement in the pick-up and depositing phase
- Safe container locking and subsequent swinging movement with proven hydraulic ZK tipper unit
- Lowering movement by gravity

Mounting

- Mounted with lifter-mounting frame in combination with supportive tailgate structure and special tailgate rear

Advantages

- Support-strip range RCV from 1100-1600 mm
- Large ground clearance of the lifting carriage to prevent damage through touch-down impact or while reversing
- Emptying process with low dust/noise emissions and low-stress container handling
- Great ease of use and high collection performance
- Low accident risk through EU-compliant safety technology
- optional integrated, practical LED lighting for the operating controls
- Basic components and container retention system from the long-proven DELTA series
- Smooth, easy-to-clean housing surfaces
- Short vehicle overhang
- Safe stand for the worker with max. possible footboard width and additional shoulder space acc. to EN 1501-1.

^{*)} WPS-II: Worker Protection System

^{**}) without folding arms



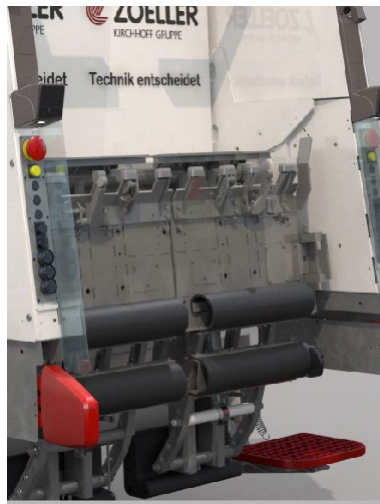
Integrated LED lighting



Active container retention system



Shoulder space for the loader



Split lifting carriages

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Versions

- Model versions with weighing / identification-system preparation
- Model versions with DIN and/or special-container folding arms

Options

- Screw-on lid-opener rails for 4-wheeled containers with dome lid
- Dust-curtain equipment
- Flap for pickup of sacks
- Heavy-load mode
- Pull-out safety barriers
- Integrated external display
- Integrated control panel lighting
- Integrated working lamps
- Integrated camera system
- Pre-installation for reverse-warning systems
- Sensor-controlled working-area protection
- Pick-up of special containers
- Central lubrication

ZOELLER Lifter



MEGA - 456



ROTARY - 2418



DELTA - 2316



OMEGA - 359

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 cbm.

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 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 refuse collection
- The integrated GAMMA:
The lifter for the individual refuse collection
- The comfortable OMEGA lifter:
Great functionality in solid structure

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

- Allrounder MEGA:
Well-engineered skip-container lifter for universal use

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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