

EPSILON -System 2620

-integrated, electrical



EPSILON - System 2620 -integrated, electric

- Integrated, fully electric, split 24V automatic lifter with new innovative drive concept for the highest performance on closed refuse collections
- Comfortable hand loading, e.g. yellow bags through folding-down guide flap

Description

- Powerful electric motors with flange type gears move the carriage units UP vertically via a drive chain in linear lateral guides.
At the end position of the vertical movement the motion is converted into a rotation (tipping) movement via a rack and pinion gear. The DOWN movement is carried out via gravity.
- Container retention as well as active container locking via an integrated hydraulic power unit with separate oil tank.
- Modern, functional design with smooth, multi-part lateral panels and maintenance-friendly access
- Safety controller with integrated display and service interface on the lifter
- Increased safety for your employees through active sensor technology
- Ergonomically arranged controls in protected construction
- Selectable operating modes for manual, semi- or fully automatic emptying process, as well as switching between single and combined mode
- Integrated vehicle attachment with tailgate preparation acc. to specification of DIN EN 1501 for open waste collection

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Advantages

- The applied 24V technology allows the use of all standard chassis types
- Potential energy savings up to 70% as against a conventional hydraulic lifter and thus an increased range in connection with battery-electric or fuel-cell chassis.
- Highest collection performance with maximum ease of use
- Emptying process with low dust/noise emissions and particularly low-stress container handling
- Higher load capacity due to lower lifter weight
- Great manoeuvrability through short vehicle overhang
- Large ground clearance preventing any damage when manoeuvring especially reversing.
- Safe stand for the worker with max. shoulder space acc. to EN 1501-1.
- Optimal for 1-men-operation with two independent lifter units
- High serviceability due to the consistent use of particularly low-maintenance components and standardised assemblies

Market sectors

- Residential and commercial areas
- Applicable for the following container types:
 - 80-340 l bin EN 840-1
 - 500-1200 l EN 840-2 - flat lid
 - 770-1300 l EN 840-3 - dome lid
- Bulky waste
- Yellow bags
- Special containers depending on model



Short overhang



Active container retention system



Ergonomic operating controls



Hydraulic guide flap

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Options

- Worker Protection System (WPS-II) for increased worker safety
- Dust curtain equipment allowing for cleaner working areas
- Sensor-controlled working-area protection
- Integrated working lamps for optimal illumination of the working area
- integrated, energy-saving LED lighting for the operating controls.
- Preparation for additional cameras (footboard monitoring / 270° / 360° birds-eye view)
- Pre-installation for reverse-warning systems
- Preparation for weighing/identification systems
- DIN folding arms or pickup of special containers

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

Six technically mature platforms:

- DELTA
- EPSILON
- 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

- The allrounder MEGA:
Well-engineered skip-container lifter for universal use



ZOELLER SYSTEM 2322 DELTA

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 and technical innovation.

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