SWAP BODY LIFTING TRUCK
„WIESEL“ WITH ERGONIMICALLY DESIGNED CABIN
Clearly arranged driver's cab with many storage options

Der neue Wiesel 2019 6 seiter A4 EN.indd   2

Total weight - permissible (2) 25.500 kg  20.000 kg  18.000 kg

Payload, Weights, Axle load

Air suspension Front and rear axle

Front axle steering axle (Mercedez-Benz)

Payload 16.600 kg  11.100 kg  9.100 kg

Drive system hydrostatic

Drive train

Axle load (front)  8.500 kg  7.000 kg  7.000 kg

Axles / Tyres

Tyre size (front axle)  2x 295/60 R 22.5

Driving direction switched via joystick

Gear shifting from 0 to Vmax

Continuous forward and backward driving w/o Torque max. at 1.600 rpm  610 Nm

Exhaust emission standard Euromot 5

Type designation WBH 25 E5

Number of axles 2

Note: The fuel and engine oil quality have to meet the

OVERVIEW

TECHNICAL DATA

Starter batteries 2x 12 V / 90 Ah

Length 9.070 mm

Steering angle lock max. 45°

Steering

Lifting device (height) (1)  2.480 mm

Lifting speed of lifting device at approx. 2.000 rpm  50 mm/s

Emergency operation using hand pump in case of failure of engine/pump

Controls for lifting process in driver's cabin using joystick

Four single-stage cylinders with automatic hydraulic parallel lifting bodies with a parking height of at least 970 mm when the chassis is

The hydraulic axle lowering device makes it possible to pick up swap

Slope angle (front) (1)  7,8°

Wheel base 4.780 mm

Service brake system two-circuit, pneumatic

Service brake (rear axle) Drum brake

Electrical operating voltage 24 V

Front axle with hydraulic steering (Orbitrol)

Noise level in accordance with StVZO

Operating ambient temperature -20 °C / +40 °C

Environment for secure operation with different container sizes

Fixed stop for C782 and adjustable standard stops (C745, C715)

Frame

Rims White aluminum (RAL 9006)

Optimum corrosion protection KTL

Hydraulics

Cabin (basic equipment)

EC declaration of conformity for lifting device and fifth-wheel

ECBS plug sockets for trailers

Brake connection coupling head 'Duomatic' for trailers

Advanced low-mount coupling system for central axle trailers at rear

Coupling device for trailer at rear

Telescopic LED position lamps and LED working lights

LED working light at rear right/left

LED warning beacon at rear right/left

Warning signal when reversing (buzzing/beeping)

Rear view camera system

Trailer connection tail lights

Jump-start socket (NATO) 12 V or 24 V

Emergency hammer with belt cutter

(1)

2.300 mm

(1)

(1)

237 mm

7,8°

(1)

2.480 mm

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Hydraulics
**TECHNICAL DATA**

**OVERVIEW**

**General information**
- Type designation: WBH 25 E5
- Version according to drawing no.: 64264453-P_A

**Payload, Weights, Axle load**

<table>
<thead>
<tr>
<th></th>
<th>25 km/h (1)</th>
<th>40 km/h (2)</th>
<th>StVZO (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payload</td>
<td>16,600 kg</td>
<td>11,100 kg</td>
<td>9,100 kg</td>
</tr>
<tr>
<td>Dead weight (3)</td>
<td>8,900 kg</td>
<td>8,900 kg</td>
<td>8,900 kg</td>
</tr>
<tr>
<td>Total weight - permissible (3)</td>
<td>25,500 kg</td>
<td>20,000 kg</td>
<td>18,000 kg</td>
</tr>
<tr>
<td>Axle load (front)</td>
<td>8,500 kg</td>
<td>7,000 kg</td>
<td>7,000 kg</td>
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<tr>
<td>Axle load (rear)</td>
<td>17,000 kg</td>
<td>13,000 kg</td>
<td>11,500 kg</td>
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</table>

**Engine**
- Manufacturer/Type: Deutz TCD 4.1 L4
- Exhaust emission standard: Euromot 5
- Engine power at 2,300 rpm: 115 kW / 154 PS
- Engine: Deutz TCD 4.1 L4
- Engine manufacturer’s specifications.

**Brake system**
- Service brake (front axle): Disk brake
- Service brake (rear axle): Drum brake
- Service brake system: two-circuit, pneumatic
- Parking brake: spring accumulator
- EBS (electronic braking system), air dryer, self-adjusting brake

**Steering**
- Front axle with hydraulic steering (Orbitrol)
- Driving direction switched via joystick
- Turning radius (inner): 4,750 mm
- Turning radius (outer): 10,300 mm

**Vehicle dimensions**
- A Length: 9,070 mm
- Width: 2,480 mm
- B Height with cabin (1): 2,273 mm
- C Lifting device (height) (1): 1,100 mm
- D Wheel base: 4,780 mm
- E Lifting device (height lowered/levigated): 950 mm / 1,600 mm
- Ground clearance (1) (unloaded): 237 mm
- Slope angle (front) (1): 78°

**Lifting system**
- Lifting height of the chassis: 150 mm
- Lifting height of the lifting device (continuous adjustable): 500 mm
- Total lift: 650 mm
- Lifting speed of lifting device at approx. 2,000 rpm: 50 mm/s
- Lifting device: hydraulic-controlled
- Four single-stage cylinders with automatic hydraulic parallel lifting
- Controls for lifting process in driver's cabin using joystick
- Emergency operation using hand pump in case of failure of engine/pump
- The hydraulic axle lowering device makes it possible to pick up swap bodies with a parking height of at least 970 mm when the chassis is lowered.

**Electric**
- Electrical operating voltage: 24 V
- Starter batteries: 2 x 12 V / 90 Ah

**Hydraulics**
- Hydraulic tank filling volume: 130 Liter
- Hydraulic tank with integrated return filter and oil level check glass.
- Electronic monitoring of the filling level, with warning message in driver's cabin increases the operational safety and operating life significantly.
- Temperature controlled hydraulic oil cooler.

**Frame**
- Welded steel construction in exceptionally robust design
- Frame designed for evenly distributed load (surface load)
- Fixed stop for C782 and adjustable standard stops (C745, C715) at the front
- Guide at front and rear
- Locking device via two height adjustable twist locks at the front, for secure operation with different container sizes
- Front protection plate as underrun protection

**Environment**
- Operating ambient temperature: -20 °C / +40 °C
- Noise level in accordance with StVZO

**Lighting**
- Lighting in accordance with ECE guidelines
- 2x LED daytime running lights
- 2x bi-halogen headlights
- 2x flashing lights with hybrid technology
- 2x LED multi-chamber tail lights
- 6x LED side marker lights with integrated reflectors
- 2x LED outline lights
- 2x LED working lights on cabin rear
- 1x LED working lights at the fixed container handling
- 1x LED rotating beacon yellow on the cabin

**Colour scheme (standard)**
- Optimum corrosion protection: KTL
- All assembly parts and frame: Deep black (RAL 9005)
- Driver's cabin: Signal white (RAL 9003)
- Rims: White aluminum (RAL 9006)

Note: The fuel and engine oil quality have to meet the engine manufacturer’s specifications.
Cabin (basic equipment)
Two-man-cabin; Designed in accordance with ergonomic findings and with a very low entry; Panorama windscreen made of VSG for a better all-round view; Cabin rear wall with a large continuous rear window made of ESG; Skylight; 2x lockable cabin doors with electrical window regulators; Roof rails with plastic cladding (left/right); 2x hand-grips with restoring spring; Height- and angle-adjustable steering wheel; Driver and passenger seat with 3-point safety belts and headrests; Comfort-Driver seat with pneumatic suspension, adjustable; Seat heating and lumbar support at the driver’s seat; Warm water heating with fresh air blower; Electronic immobiliser; 7” Display as a combination instrument; Dashboard clearly arranged, indirect lighting; Optimal monitoring and operating comfort due to practical arrangement of all controls and indicators; 24 V socket; Hazard switch; 2x exterior mirrors, heated and electrically adjustable (left/right); 2x wide angle mirrors, heated (left/right); 1x interior mirror; WIndshield wipers and washer system; 2x interior light (headliner); 2x sun visors (left/right); Storage compartments integrated in the center console; Radio with Bluetooth, USB and AUX connection; 2x speakers; Ashtray, cup holder, coat hook; Emergency hammer with belt cutter.

Documentation in national language / acceptance
Operating and maintenance manual for vehicle; Operating manual (short version) for vehicle; Operating and maintenance manual for engine; EC declaration of conformity for lifting device and fifth-wheel; USB stick with all technical documents and spare parts catalogue; TÜV acceptance (DE)

Options (against extra cost)

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<tr>
<th>Options against extra cost</th>
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<tbody>
<tr>
<td><strong>Cabin</strong></td>
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<tr>
<td>Protective roof (total height)</td>
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<tr>
<td>Rear window wiper</td>
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<td>Auxiliary heating</td>
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<tr>
<td>Air conditioning</td>
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<td>Additional socket 12V oder 24V</td>
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<td>Reading light</td>
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<tbody>
<tr>
<td><strong>Drive system</strong></td>
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<tr>
<td>Switch for two driving speeds</td>
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<tr>
<td>Engine stop by seat contact</td>
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<td>Partial-flow filters (extend oil change intervals)</td>
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<tr>
<td>Differential lock (rear axle)</td>
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<tbody>
<tr>
<td><strong>Attachments chassis</strong></td>
</tr>
<tr>
<td>Hydraulic fifth-wheel (height)</td>
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<tr>
<td>Coupling device for trailer at rear</td>
</tr>
<tr>
<td>Advanced low-mount coupling system for central axle trailers at rear</td>
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<tr>
<td>Brake connection coupling head ’Duomatic’ for semi-trailers</td>
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<td>EBS plug sockets for semi-trailers</td>
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<td>Jump-start socket (NATO) 12 V or 24 V</td>
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<tr>
<td>Plug socket adapter from 15 to 2x7 pin</td>
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<tr>
<td>Rear underride protection device, extendable</td>
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<tr>
<td>Central lubrication system for front axle and fifth-wheel</td>
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<tr>
<td>Lockable tank cap for fuel tank and AdBlue</td>
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<tr>
<td>Hydraulic oil biodegrades quickly (Panolin)</td>
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<tr>
<td>Plastic tool box (lockable)</td>
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<tr>
<td><strong>Lifting device</strong></td>
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<tr>
<td>Hydraulic container locking</td>
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<td>Container stop C745 spring damped</td>
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<tr>
<td><strong>Safety</strong></td>
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<tr>
<td>Rear view camera system</td>
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<td>Warning signal when reversing (buzzing/beeping)</td>
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<tr>
<td>LED warning beacon at rear right/left</td>
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<td>LED working light at rear right/left</td>
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<td>Telescopic LED position lamps and LED working lights</td>
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<tr>
<td><strong>Miscellaneous</strong></td>
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<tr>
<td>Fire extinguisher (2 kg); Combi first aid kit 3in1 (warning triangle, warning lamp, safety vest); Portable warning light; TÜV acceptance (CH, AT); Day license (DE)</td>
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</table>

Further options upon request.

(T) technically | (VSG) Laminated safety glass | (ESG) Single-pane safety glass | (StVZO) German Road Traffic Licensing Regulations
SWAP BODY LIFTING TRUCK

"WIESEL" WITH ERGONIMICALLY DESIGNED CABIN

4780

7,8°  15°

1100

1600

237

2770  (1520)

648,5  695

2273

1030

845

Raised Lifting Device

Lowered Fifth Wheel

C782

C715

C715

C745

C782

swap body

Drive Position projection

C745

C715

802,5

9070

983,5

R1885

R4750

R10300

2315

1555

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