VOLKSWAGEN TRANSPORTER
AL-KO COMMERCIAL VEHICLE CHASSIS 13"

ESP Standard!
AL-KO VEHICLE TECHNOLOGY

QUALITY FOR LIFE

FROM THE VILLAGE FORGE TO A GLOBAL CORPORATION

Our roots were planted in a small village smithy. The fact that a global corporation has emerged from these humble roots is also because we are constantly aware of what our identity represents and what values the company has always embodied: Quality, innovation in product and process as well as reliability and sustainability in our internal and external customer relations. That is the basis of our pursuit for sustainable growth and market leadership in our business divisions.

Since 2016 we have made our contribution to the DexKo Group, the world’s leading manufacturers of axles and chassis components in the lightweight segment. We are proud to continue in successfully shaping this development together with the DexKo and to convey our brand promise of quality, safety and comfort for our products and services to the world.

LIFE FOR QUALITY

We love quality. We live quality. And we have the right answer for virtually all transport requirements in our sector. AL-KO Vehicle Technology is safety and quality in one: from the product to delivery. We want our customers to be satisfied and successful. Quality for life!
FOR WHEN THE BEST IS EXPECTED

Founded in 1931, AL-KO Vehicle Technology is now a global technology company with around 30 sites in Europe, South America, Asia and Australia. Offering high-quality chassis components for trailers, leisure vehicles and light commercial vehicles, AL-KO stands for optimum ergonomics and functionality, highest comfort as well as innovations for greater driving safety.

Every year AL-KO manufactures a five-digit number of innovative automotive chassis in five works worldwide. The largest production facility is the works in Ettenbeuren in the south of Germany.
RESEARCH AND DEVELOPMENT

Research and development are firmly involved in the product creation process from the initial idea right through to production. The result: Innovative solutions that satisfy the most demanding requirements. In close coordination and collaboration with the state-of-the-art Testing Department, our engineers at the new Technology Centre push individual components, assemblies, and even finished products to the limit every day.

We are proud of our customized, state-of-the-art testing facilities that enable the most stringent service life and wear tests in real application conditions. In our market environment, they offer unique opportunities for the testing of individual components and entire vehicles. Only what is assessed as flawless finally receives our „Quality for Life“ award!
FLEET OPTIMISATION

Why operate six vehicles when five perform the same transport capacity? We are the specialists for new innovative and intelligent solutions for optimising fleets. The basis is formed by our variable lightweight CHASSIS construction in a 2- or 3-axle variant with wide track chassis and independent suspension. This is the basis for additional load capacity, greater load volumes, more ergonomics – and much higher cost effectiveness.

Use the QR-Code or our internet adress for further information about Total Cost of Ownership:
www.alko-tech.com/en/save-fleet-costs

AL-KO CHASSIS-TECHNOLOGY

With the AL-KO CHASSIS, we set standards in the van class. This applies for high frame chassis, but also for low frame chassis that enable low loading sills and low total vehicle heights. This has a positive effect on the fuel consumption and driving characteristics. A highlight is the 3-axle low-floor chassis with 13" tyres, consistent loading area as well as standard disc brakes and torsion guide rear axles.
AL-KO COMMERCIAL VEHICLE CHASSIS 13"

EASY TO SERVICE

Bolted frame parts are easy to service, ensuring shorter periods of downtime for repairs.

LONG SERVICE LIFE

Hot dip-galvanized parts guarantee optimal protection against corrosion.

ESP

For the AL-KO CHASSIS based on the Volkswagen Transporter, ESP (electronic stability program) with braking assist, ABS, ASR, EDS and hill climb assist come standard (with Premium Partner clearance certificate from Volkswagen Commercial Vehicles).

Figure shows special equipment!

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MORE TRANSPORT VOLUME

Variable wheelbases and overhangs work together to satisfy a wide range of transport requirements. These ensure optimal weight distribution and impressive drive stability. The max. frame length is 6,296 mm. For example, box bodies are possible with a load volume of over 35m³.

BODY ADVANTAGES

The tandem torsion beam rear axle with 13 inch tyres permits bodies with lower and flatter load surfaces, without needing wheel arches in the bodywork. The perfectly tuned tandem rear axle assembly with disc brakes, impresses with excellent suspension and superior driving dynamics. The maintenance-free rear axle assembly is available with either a steel suspension or with the AL-KO Air Premium X2 full air suspension (optional extra). The Air Premium X2 full air suspension with automatic level control system is characterised by excellent suspension comfort and the manual lifting/lowering function to adjust and/or reduce the loading height.

INCREASED PAYLOAD

Thanks to the intelligent light weight technology.

BASIC VEHICLE

Volkswagen Transporter cab

Required PR No. (VW order code) for cab ordering

1 SL 4 (hole pattern for AL-KO cab connection)

Category 6 side indicator

Category 6 side indicators are required by law for vehicles with a total length of >6m.

Order no. factory-mounted: 1671562

Order no. retrofit kit: 1710218

ESP Standard!
TECHNICAL DATA

STANDARD DIMENSIONS

<table>
<thead>
<tr>
<th>A wheelbase</th>
<th>B chassis overhang</th>
<th>mounting overhang</th>
<th>C frame length</th>
<th>D vehicle length</th>
</tr>
</thead>
<tbody>
<tr>
<td>min. 3,500 mm -</td>
<td>max. 60% of wheelbase A,</td>
<td>max. 65% of wheelbase A,</td>
<td>max. 6,296 mm</td>
<td>max. 8,933 mm (chassis)</td>
</tr>
<tr>
<td>max. 4,725 mm</td>
<td>max. 2,500 mm</td>
<td>max. 2,700 mm</td>
<td></td>
<td>max. 9,133 mm (incl. mounting)</td>
</tr>
</tbody>
</table>

FRAME HEIGHT AT REAR AXLE

(Expr. values)

<table>
<thead>
<tr>
<th>STEEL SUSPENSION</th>
<th>AIR PREMIUM X2 FULL AIR SUSPENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>I EMPTY (2 x 625 kg rear axle load)</td>
<td>660 mm</td>
</tr>
<tr>
<td>I loaded (2 x 1,225 kg rear axle load; 3.5 t perm.TW)</td>
<td>605 mm</td>
</tr>
<tr>
<td></td>
<td>Constant, independent of the load condition (autom. level control)</td>
</tr>
<tr>
<td>Raising/Lowering from driving level</td>
<td>approx. +25 mm</td>
</tr>
<tr>
<td>• Raising</td>
<td>approx. - 80 mm</td>
</tr>
<tr>
<td>• Lowering</td>
<td></td>
</tr>
<tr>
<td>Added weight</td>
<td>approx. + 5 kg</td>
</tr>
</tbody>
</table>
## TYPE OVERVIEW, PERMISSIBLE WEIGHTS, AXLE AND TRAILER WEIGHTS

<table>
<thead>
<tr>
<th>Typ</th>
<th>Vehicle classe</th>
<th>Engine version</th>
<th>Total permitted weight kg</th>
<th>Permitted front axle load kg</th>
<th>Permitted rear axle load kg</th>
<th>Permitted trailer weight kg</th>
<th>Permitted gross train weight kg</th>
<th>Tyres</th>
<th>Rear axle brake</th>
<th>ESP(^6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC35T6U (^1)</td>
<td>M1(^2)/N1</td>
<td>2.0 TDI (75 kW)(^3)</td>
<td>3,500</td>
<td>1,710</td>
<td>1,225 / 1,225</td>
<td>2,500(^4)</td>
<td>4,900 (SG)</td>
<td>Front axle 205/65R16(^5) od. 215/60R17C Rear axle 195/50R13C</td>
<td>Disc</td>
<td>•</td>
</tr>
<tr>
<td>MC35T6U (^1)</td>
<td>M1(^2)/N1</td>
<td>2.0 TDI (84 kW)(^3)</td>
<td>3,500</td>
<td>1,710</td>
<td>1,225 / 1,225</td>
<td>2,500(^4)</td>
<td>4,900 (SG)</td>
<td>Front axle 205/65R16(^5) od. 215/60R17C Rear axle 195/50R13C</td>
<td>Disc</td>
<td>•</td>
</tr>
<tr>
<td>MC35T6U (^1)</td>
<td>M1(^2)/N1</td>
<td>2.0 TDI (110 kW)(^3)</td>
<td>3,500</td>
<td>1,710</td>
<td>1,225 / 1,225</td>
<td>2,500(^4)</td>
<td>5,200 (SG) 5,300 (AG)</td>
<td>Front axle 205/65R16(^5) od. 215/60R17C Rear axle 195/50R13C</td>
<td>Disc</td>
<td>•</td>
</tr>
<tr>
<td>MC35T6U (^1)</td>
<td>M1(^2)/N1</td>
<td>2.0 TDI (150 kW)(^3)</td>
<td>3,500</td>
<td>1,710</td>
<td>1,225 / 1,225</td>
<td>2,500(^4)</td>
<td>5,200 (SG) 5,300 (AG)</td>
<td>Front axle 205/65R16(^5) od. 215/60R17C Rear axle 195/50R13C</td>
<td>Disc</td>
<td>•</td>
</tr>
</tbody>
</table>

\(^1\) Due to the speed index of the 13” rear axle tyres, the speed is limited to 140 km/h for MC35T5U type vehicles (vehicle classes M12) / N1

\(^2\) M1 with special purpose vehicles

\(^3\) Emission standard Euro 6

\(^4\) Note permitted gross train weight

\(^5\) SG = manual transmission / AG = 7G-DSG automatic transmission

• Standard equipment

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**AL-KO LANE DEPARTURE WARNING SYSTEM**

### Functions:
- Lane departure warning
- Passenger collision warning
- Distance warning system
- Traffic sign recognition

\(^6\) ESP: The centre of gravity information for the complete vehicle when set-up with all equipment is required for activation of the ESP system. If the centre of gravity height is provided to AL-KO during ordering, then AL-KO will activate the appropriate ESP system. If the customer does not provide AL-KO with a binding centre of gravity height, then AL-KO will activate the ESP system ex works for a centre of gravity height of approx. >800 mm to approx. <950 mm. If the final, complete vehicle requires a different centre of gravity height, then the customer must activate the appropriate ESP system via a VW service partner.
ACCESSORIES/SPECIAL EQUIPMENT

**SPARE WHEEL HOLDER**
- Secure spare wheel attachment to the chassis rear
- Problem-free retrofitting for most AL-KO CHASSIS with a straight rear structure
- Low assembly effort – easy assembly with standard on-board tool kits

**TOWING HITCH**
- Customized exactly to the AL-KO CHASSIS
- Offer the highest degree of safety
- Only for AL-KO CHASSIS and/or AL-KO frame extensions
- Low assembly effort
- High-quality surface protection

**AIR PREMIUM FULL AIR SUSPENSION SYSTEM**
- Optimal suspension comfort
- Fully automatic level control
- Versatile lifting/lowering functions
- Comes standard with soft touch remote control
- Maintenance-free
- Either for AL-KO rear axles (Air Premium X2)

**STEP**
- Safe loading and unloading
- Non-slip and wider tread
- Easier on the back and joints
- Prevents damage to the vehicle frame
- Corresponds to accident prevention regulations
- IFA tested

**LIGHT BRACKET**
- Available in black (other colours upon request)
- Optional with position lights incl. holder (short/long)
- Optional with LED lighting

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APPLICATION EXAMPLES

Special transporters

Box vehicle

Platform vehicle

Refrigerated box vehicle

Refrigerated box vehicle

Box vehicle