



**AL-KO**  
QUALITY FOR LIFE

# FIAT DUCATO

## AL-KO COMMERCIAL VEHICLE CHASSIS 13"



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## INCREASED PAYLOAD

Higher permissible GVWs of 3,500 kg or 4,600 kg enable payloads of up to 2,500 kg.



## GREATER CUSTOMISATION

Variable wheelbases (max. 4,680 mm) and overhangs (max. 2,500 mm) work together to satisfy a wide range of transport requirements. These ensure optimal weight distribution and impressive drive stability. The maximum frame length is 6,430 mm. For example, box bodies are with a load volume of over 35m³ are achievable.



## 13" 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.



## LONG SERVICE LIFE

Hot dip galvanized parts guarantee optimal protection against corrosion.



## ESP/ESC

ESP / ESC (Electronic Stability Program) is available as standard, improving the safety of the vehicle. The ESP / ESC features include LAC (adaptive load control), ROM (rollover prevention), Traction + (electronic traction control), HH (hill start assistance) and HDC (hill descent assistance).



ESP  
fit as  
standard!



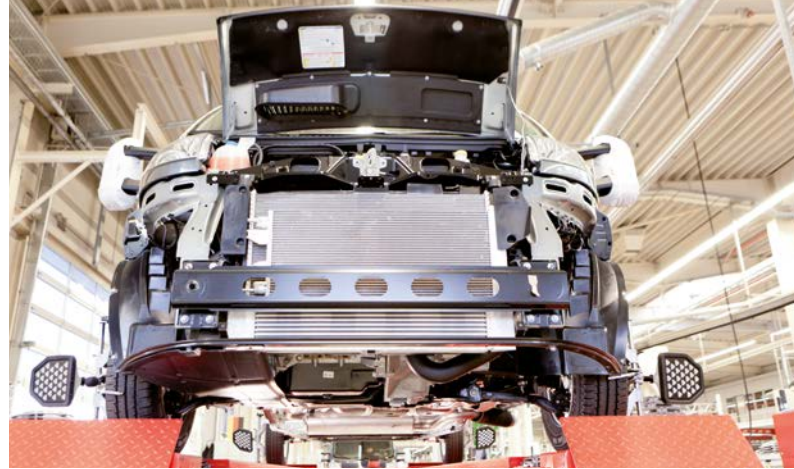
## EASY TO SERVICE

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

3-axle AL-KO CHASSIS with 13" torsion guide rear axles

### BASE VEHICLE

Fiat Ducato tension head 35L / 36.5 L



## VERIFIED QUALITY AND SAFETY

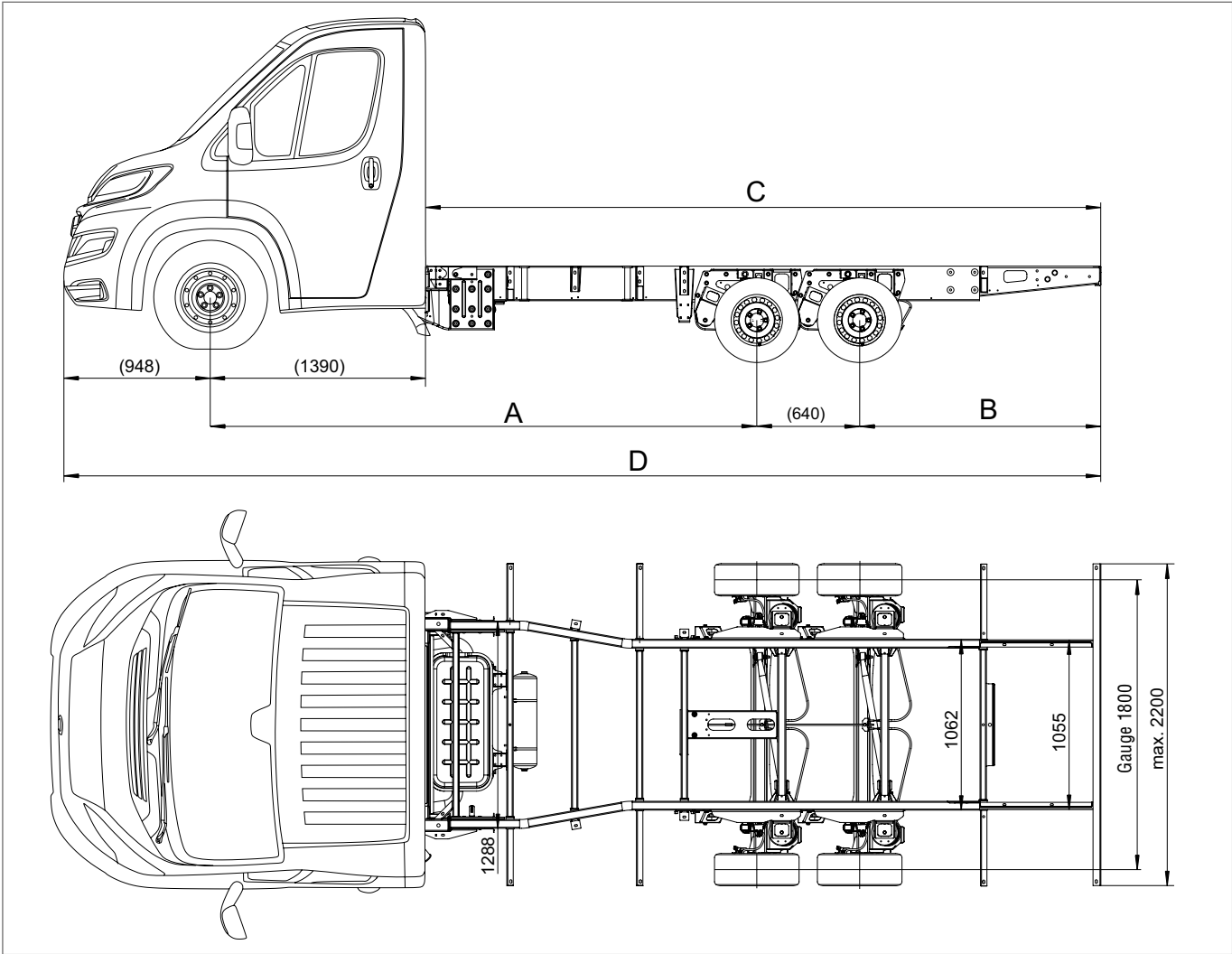
Every element of the AL-KO CHASSIS have undergone rigorous testing, to ensure maximum quality and optimal driving safety.

**AL-KO CHASSIS – the perfect chassis for your commercial vehicle – true to AL-KO's brand promise "Quality for Life".**

Image includes optional extras.



TECHNICAL DATA



STANDARD DIMENSIONS

A wheelbase	B chassis overhang	Body overhang	C frame length	D vehicle length
min. 3450 mm – max. 4680 mm	max. 60% of wheelbase A, max. 2500 mm	max. 65% of wheelbase A, max. 2700 mm	max. 6430 mm	max. 8767 mm (chassis) max. 8967 mm (incl. body)

FRAME HEIGHT AT REAR AXLE (APPROX. VALUES)

STEEL SUSPENSION		AIR PREMIUM X2 FULL AIR SUSPENSION	
I Empty (2x 625 kg rear axle load)	660 mm	Constant, independent of the load condition	625 mm (driving level)
I Loaded (2x1050 kg rear axle load; 3.5 t TW)	615 mm	(autom. level control)	
I Loaded (2x1600 kg rear axle load; 4.6 t TW)	575 mm		
		Raising/Lowering from driving level	
		• Raising	approx. +25 mm
		• Lowering	approx. -80 mm
		Added weight	approx. +5 kg

TYPE OVERVIEW, PERMISSIBLE WEIGHTS, AXLE AND TRAILER WEIGHTS

Type	Base vehicle Fiat Ducato	Vehicle class	Total Permissible Weight kg	Permissible front axle load kg	Permissible rear axle load kg	Permissible trailer weight kg	Gross train weight kg	Tyres	Rear axle brake	ESP
AMC35LU <sup>1)</sup>	35L / 36,5L	M1*/N1	3500	1850	1050 / 1050	2500 <sup>2)</sup>	5500	Front axle: 215/70R15C od. 225/70R15C Rear axle: 195/50R13C	Disc	•
AMC46LU <sup>1)</sup>	35L / 36,5L	M1*/N2**	4600	1850	1600 / 1600	2500 <sup>2)</sup>	5500	Front axle: 215/70R15C od. 225/70R15C Rear axle: 195/50R13C	Disc	•

- <sup>1)</sup> Due to the speed index of the 13" rear axle tyres, the speed is limited to 140 km/h for AMC35LU type vehicles (vehicle classes M1\* / N1) and AMC46LU type vehicles (vehicle class M1\*)
- <sup>2)</sup> Note gross train weight
- \* = M1 special purpose vehicles
- \*\* = According to Directive 92/6/EEC as amended in 2002/85/EC, there is a speed limit of 90 km/h for class N2 vehicles (commercial vehicles with TW > 3500 kg)  
This speed limitation device should be ordered with base vehicle cab (see ordering information)!
- = Standard equipment

IMPORTANT ORDERING INFORMATION

Please note for the power head disposition:

Base vehicle Fiat Ducato cab Type 35 / 36.5L

Mandatory:

- I Tyres:  
215/70 R15 C or 225/70 R15 C  
(16 inch tyres not permitted!)
- I Pre-cabling ABH (elec. interface B pillar) e.g. Fiat order no. 081
- I Speed limitation device according to 92/6/EEC and/or digital tachograph for vehicles of type AMC46LU (vehicle class N2): e.g. Fiat order no. 650  
(retrofitting by AL-KO not possible)

May be required / advisable:

- I Wing mirror for vehicle width 2.20 m e.g. Fiat order no. 036  
(Not available for retrofitment by AL-KO)
- I Wing mirror for vehicle width 2.35 m e.g. Fiat order no. 042  
(Not available for retrofitment by AL-KO)
- I Rear lights cable extension – loose e.g. Fiat order no. 391  
(Not supplied by AL-KO)
- I Original rear lights – loose e.g. Fiat order no. 4EA  
(Not supplied by AL-KO)



# 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



- AL-KO towing hitches are customised exactly to the AL-KO CHASSIS and offer the highest degree of safety
- Towing hitches are only for AL-KO CHASSIS and/or AL-KO frame extensions
- Low assembly effort
- High-quality surface protection
- Extended electrical kit, 13-pin, in conjunction with towing hitch (art. no. 1629090)

## AIR PREMIUM FULL AIR SUSPENSION SYSTEMS



- 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

## APPLICATION EXAMPLES



Car transporter



Platform vehicle

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