

TKA 47 KS

BISON PALFINGER



TECHNOLOGY WHICH CONVINCES



QUALITY WHICH IMPRESSES

The exceptional manoeuvrability and compactness of the TKA 47 KS is unique in this class. With an overall length of less 9 metres and a variable outrigger system, work can be carried out with ease in the tightest space. Equipped with all the technical features of a genuine BISON aerial work platform in the KS series, the TKA 47 KS also achieves the impressive lateral outreach of 35 metres. With the underfolding and telescopic cage boom it is even possible to work down to 4 m below the setup level.



ROBUST AND RELIABLE



Counter slewing system (KS)

Slewing within the width of the vehicle – this figure is only achievable with the patented counter slewing system. Preventing the need for blocking off opposite carriageways and problem-free deployment in the tightest spaces illustrate the unmatched advantages of the KS series.



Max. horizontal outreach

BISON aerial work platforms offer the greatest horizontal outreaches! This is achieved by perfect lightweight construction and premium material quality as well as by the design of our engineers.



Compact overall length thanks to counter slewing system

Exceptionally manoeuvrable in all jobs – the counter slewing system minimises the vehicle length of a BISON KS aerial work platform because the space above the driver's cab can be optimally utilised.



Outrigger control from the working basket

All four outriggers can be controlled from the working basket with a clear view and maximum operating convenience.



Automated outriggers and setup levelling

Greatest-possible safety and protection of the unit on any terrain – thanks to the automated outriggers and automatic setup levelling all four stabilisers are extended at the same time and the stabilised position can be achieved easily.



Ultra-modern control technology

Greatest-possible working convenience and long service life – the high-performance and redundant safety programme control aligns the movements of the platform optimally in each and every situation.



Everything internally routed

All the energy hoses, chains, cables and telescopic cylinders are located inside the arm system and are therefore excellently protected against damage and the effects of the weather. Smooth surfaces and clear line direction characterise the external appearance.



CONVINCING PERFORMANCE



Easy to operate

Full concentration on the actual work – that is the basis for successfully tackling any job! The platform is extremely easy to control from the basket by means of a sensitive electro-hydraulic proportional control system and a Danfoss control valve.



Hydraulic system

Speedy servicing of the high-quality hydraulic components is ensured thanks to their easy access and clear arrangement. All components are optimally protected against the environment and damage and are housed in closed installation spaces.



Telescopic arms

The hexagonal shape of the arm profiles and the inclined arrangement of the slide blocks mean that the telescopic arms secure self-centering and lateral play is reduced to a minimum. The noticeable advantage of this is the particularly high stability during deployment.



Stowage space and tool boxes

Generous and easily accessible stowage space for material and tools is perfectly integrated in the body.



Automatic cage boom arresting

The jib is released when the auxiliary drive is switched on and is automatically hydraulically locked as soon as the auxiliary drive is switched off. This means it is not necessary to follow a specific sequence of movements when putting the unit in and out of transport position.



Low-maintenance

Aerial work platforms from BISON PALFINGER are high quality and require little maintenance.



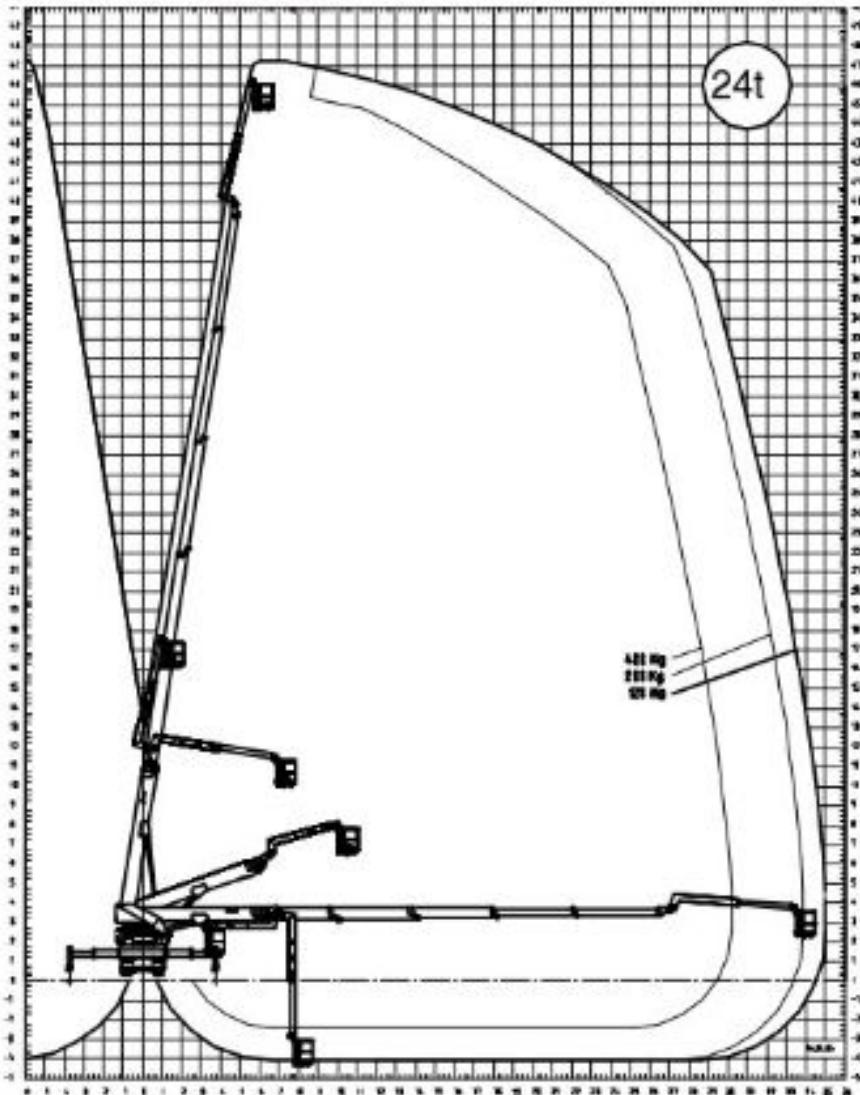
Paintwork

BISON aerial work platforms impress by virtue of their excellent paintwork quality which is unique on the market.



SUCCESS THROUGH INNOVATION

TKA 47 KS working area



Bison TKA 47 KS

Specification of basic unit

Max. working height	47.0 m
Max. basket floor level	45.0 m
Max. horizontal working area / with basket load	35.0 m / 120 kg 29.5 m / 400 kg

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Moving free on wheels

Working mode "moving free on wheels"	standard
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Bison TKA 47 KS

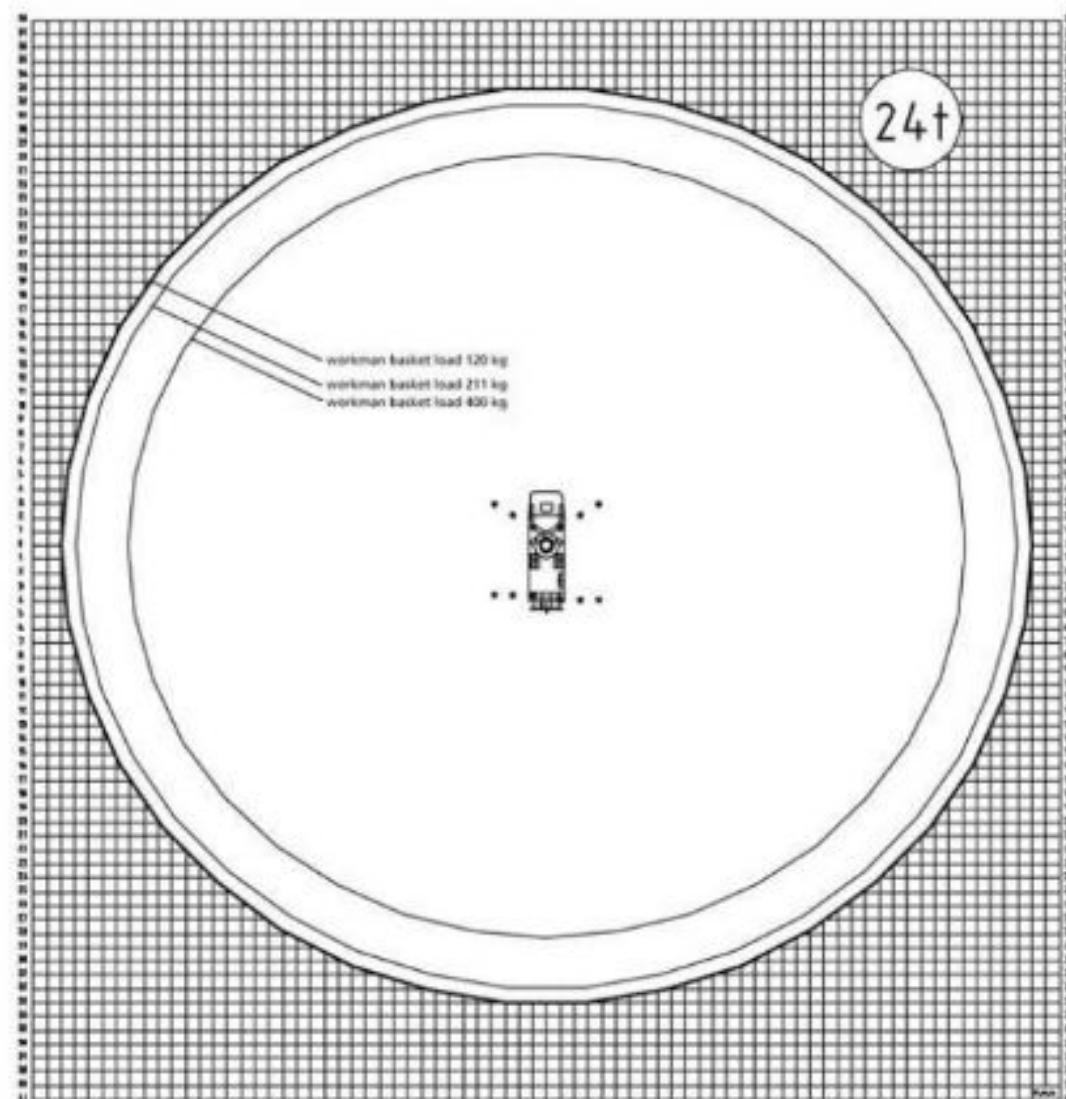
Workman basket

Width x Length x Height	2.00 x 0.82 x 1.135 m
Slewing range of workman basket	2 x 90°
Max. basket load	400 kg
Engine start / stop in the workman basket	standard
Plastic cover over basket control desk	standard
230 V CEE adapter in the workman basket	standard
2 anchor rings for connecting safety harnesses	standard

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General

Anti collision protection for workman basket (ultrasonic sensors)	standard
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Boom system

Number of extendable sections in the main boom	5
Boom shape	hexagon
All cables, hoses and mechanical components incorporated well protected inside the boom system	standard
Hydraulic articulating boom, working range	175°
Number of extendable sections in the articulating boom	1
Automatic return to transport position	standard

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Slewing system	
Design of slewing system	counter slewing system
Slewing within the vehicle width	standard
Slewing range	500°

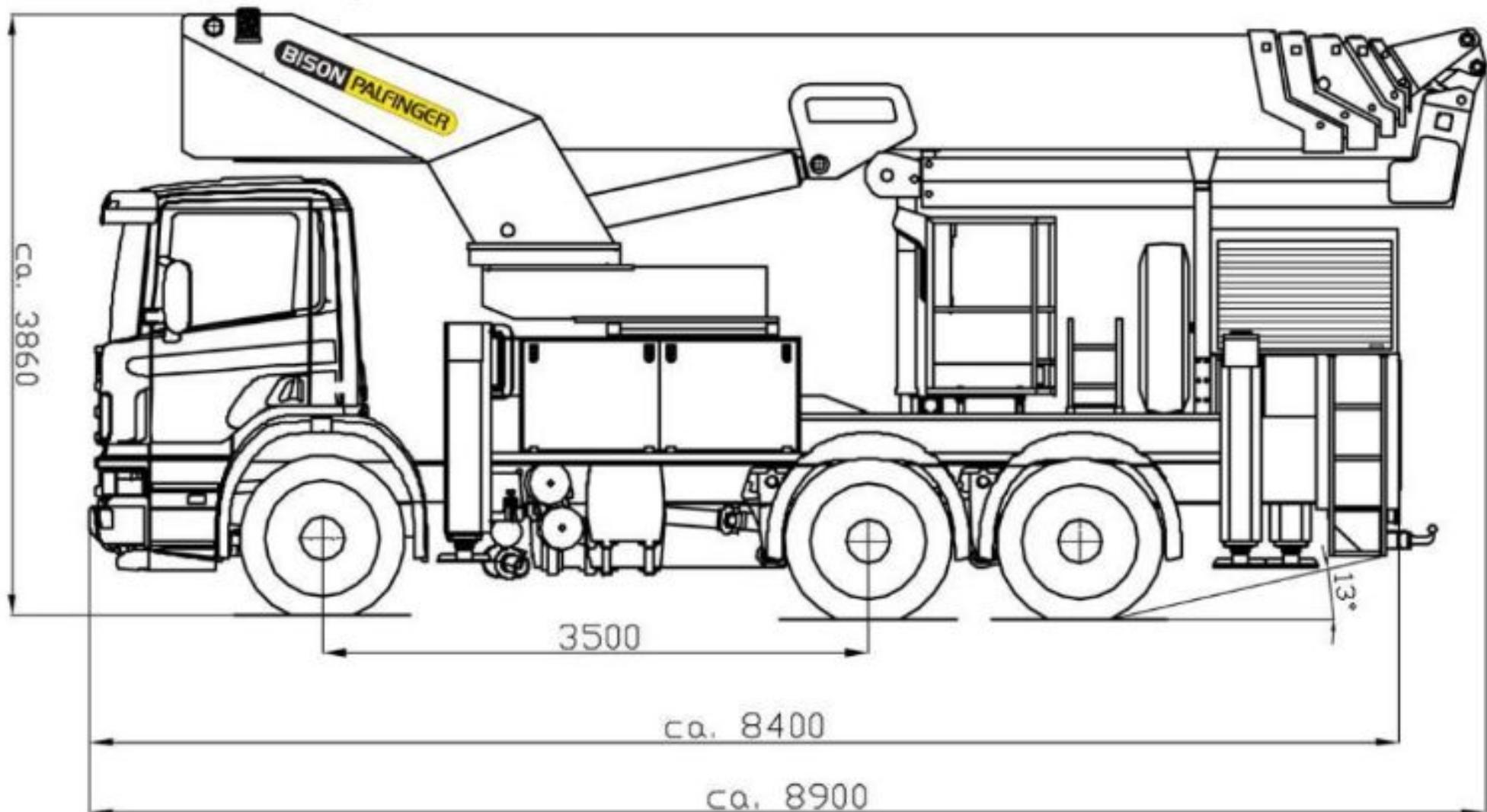
Bison TKA 47 KS	
Carrier vehicle and installation	
GVW class	24 to 26 t
Length in transport position	8.90 m*
Width in transport position	2.50 m*
Height in transport position	3.86 m*
High pressure filter	standard
Hydraulic oil tank with return line filter	standard

m* depending on carrier vehicle

Bison TKA 47 KS	
Stabilizers	
Working principle of stabilizers	variable
Min. stabilizer spread – all outriggers retracted	2.25 m
Stabilizer spread – one side extended, one side retracted	4.87 m
Max. stabilizer spread – both sides fully extended	7.50 m
Stabilizer controls at the workman basket	standard
Automatic stabilizing and automatic levelling	standard
LED on all 4 stabilizer legs	standard
4 support plates	standard

Bison TKA 47 KS	
Manual and emergency controls	
Lockably integrated and well protected in the body	standard
Emergency hand pump	standard
Emergency diesel power pack	standard

TKA 47 KS transport delivery



The equipment displayed is partly fitted with special equipment and therefore do not always correspond to the standard model. Country specific stipulations must be additionally adhered to.