



K-TB-B

SAFE | INNOVATIVE | ECONOMICAL

SALES, RENTAL, SERVICE & TRAINING WORLDWIDE

WWW.KAEUFER.DE



K-TB-B

- ✓ Käufer is a privately owned leading company in the business of blade access systems world-wide.
- ✓ More than 40 years of experience in access systems
- ✓ Made in Germany with in-house engineering and manufacturing
- ✓ Custom-engineered platform and cutting edge technology with certified products
- ✓ More than 900 rotor blade platforms installed world-wide
- ✓ Service partners in all continents
- ✓ Experienced with all types of wind turbines, for example Vestas, GE, Noderx, Siemens, Enercon and more

Strong winch with all time access

The K-TB-B is equipped with 1 x 800 kg winch and fall arrest device. These give the platform extra capacity reserve. This winch is in direct reach to the technicians at all times, which is one of the essential features of the platform.



Remote-control steel rope pulling winch

The basket is pulled from ground using a Tirak winch equipped with a steel wire rope and remote-control system. The remote control enables safer and more precise maneuvering, while the steel wire rope system minimizes the risk of human error during operation.

Modular design & third-party certified

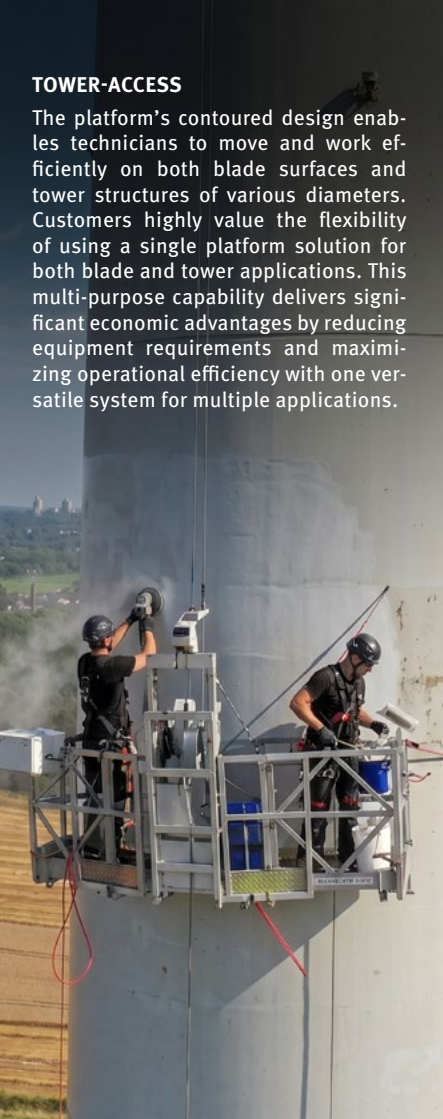
The platform is designed for quick and efficient assembly and disassembly, enabling convenient transportation. The K-TB-B is TÜV-certified by an independent third-party body in accordance with European standards. This certification makes the K-TB-B the only basket in the world approved for blade operation applications.

Extra space with 2.5 m length.

With dimensions of 2.5 m in length and 0.6 m in width, the platform provides ample working space, ensuring a safe, comfortable, and efficient working environment.

TOWER-ACCESS

The platform's contoured design enables technicians to move and work efficiently on both blade surfaces and tower structures of various diameters. Customers highly value the flexibility of using a single platform solution for both blade and tower applications. This multi-purpose capability delivers significant economic advantages by reducing equipment requirements and maximizing operational efficiency with one versatile system for multiple applications.



BLADE-ACCESS

The K-TB-B platform has been specifically engineered to deliver maximum efficiency in both the blade tip and root areas. Its compact design and robust construction provide exceptional accessibility, enabling operators to work safely and effectively across the entire blade surface — from root to tip.



K-TB-B AT THE TIP OF BLADE



K-TB-B AT THE ROOT OF BLADE



ACCESS TO BLADE SURFACE

Our innovative engineering solution makes blade surface access safer and more efficient through a remotely operated steel-wire-rope winch with an automatic rope winder mounted at ground level on the trailer. Compared to conventional textile rope systems, the steel wire rope provides significantly higher safety and reliability during operation. The entire system is independently third-party certified in accordance with European regulations, making it the world's only certified solution for safely pulling and positioning suspended work baskets for wind turbine blade access applications.

The synchronized winch and automatic rope winder ensure smooth, controlled basket movement while eliminating manual rope handling on the ground. This creates one of the safest and most efficient basket pulling systems available, further enhanced by integrated angle restriction monitoring to prevent unsafe basket positioning.

The entire system is remotely controlled by technicians inside the basket, giving them full control of movement at height while reducing reliance on ground personnel. This minimizes human error, improves operational precision, and delivers a safer working environment for both technicians and site operations.

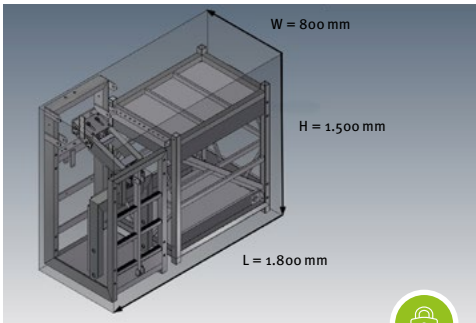


GET COMFORTABLE WITH OUR ENCLOSURE

For our innovative K-TB-B, Käufer also offers additional accessories to make your working time more favorable. Our „flex protect“ is easy to mount-dismount, and carry. It is an excellent option to cover your repair and technicians in case of strong sunlight or light rain. In addition to that, we provide three-stage IR heaters and extra lightning so your work can be completed even if it is a dark, cold evening.

The setup time is less than 20 minutes, requires a single person, and is a tool-less assembly.





COMPACT TRANSPORTATION

For international logistics, including air freight and sea transport, the complete basket system can be securely packed into a compact wooden crate with dimensions of 2 m × 1 m × 1,5 m, ensuring convenient and cost-effective worldwide shipping.



REMOTE CONTROL

The basket can be operated using a pendant control system, while the remote-controlled pulling system is used to position the basket safely and precisely against the blade surface. This dual-control concept ensures smooth handling, improved operator safety, and accurate basket positioning during blade access operations.



IR HEATER & LIGHTNING

As optional accessories, we offer three-stage infrared heaters and additional lighting systems, enabling maintenance work to continue efficiently even during dark and cold weather conditions. These practical enhancements create more comfortable working environment, making the platform highly suitable for operation in a wide range of climates and regions around the world.



PERMANENT PROTECTION ROLLER

In addition to three mobile rollers with K-TB-B, we also provide extra permanently mounted rollers at the front side of the platform. It protects and guides, leading the edge of the blade smoothly.



PULLING SYSTEM

The trailer-mounted, remotely operated steel wire rope winch enables safe and precise basket positioning on the blade surface. An integrated automatic rope winder ensures smooth operation, while all movements are controlled directly by the technicians inside the basket using a remote-control system – eliminating the need for ground-operated maneuvering.



ROPE STAND

We provide this steel wire rope stand where 2 x 9 mm ropes are wound to make rope installation easier and faster. It is also helpful when ropes get mingled.







EFFICIENT LOGISTIC ON 2 T TRAILER

The K-TB-B platform can be transported using any standard service van and is designed for a pulling capacity of up to 2 tons. The platform is mounted on a trailer rated for 2 tons or more and equipped with a standard brake-light connection for easy road transport.

Transport by trailer fully complies with European transport regulations and does not require any special permits or vehicle modifications.

For international logistics, including air freight and sea transport, the complete basket system can be securely packed into a compact wooden crate with dimensions of 2 m x 1 m x 1.5 m, ensuring convenient and cost-effective worldwide shipping.

Dead weight	250 kg
Working load	300 kg (max 2 persons and material)
Drive unit / Winches	1 x (X823P)- 800 kg
Pulling winch	1 x (X300)- 300 kg
Fall arrest devices	BS0 1020 P
Suspension & safety ropes	Ø 9 mm / Ø 8 mm (pulling rope)
Operating temperature and wind speed	-20 °C to +40 °C
Lifting Speed	9/18 m/min (USA 11 m/min)

Power	400 V/50 Hz/32A
Input power requirement	Min 10 kVA
Power cable	5 x 4 mm ² IP 54
Control system	Remote control & panel on control box
Assembly Time	20 min. + Rope installation
Material platform and Suspension frame	Aluminium / natural
Protection class	IP54
Certification	DIN EN 1808:2015 Certified by TÜV Rheinland
Manufacturing & Delivery Place	Hückeswagen, Germany

Dimension Transport mode	3000 x 1000 x 2400 mm In Box 2000 x 1000 x 1500 mm
Height on trailer	3000 mm
Weight on trailer	550 kg



Gebr. Käufer GmbH
Mühlenberg 5
D-42499 Hückeswagen

Fon: +49 2192.9203-30
E-Mail: wind@kaeufder.de
Web: www.kaeufder.de

