



We reach for the sky.

YOUR WAY
— TO THE —
TOP
REALISE THE POTENTIAL



Trailer Cranes

www.boecker-group.com



Maximum performance makes the difference!

Extremely durable aluminium boom

- Particularly low bending and torsion guarantee precise work due to closed boom profile made of high-strength aluminium alloy
- Maximum durability and stability of value thanks to integral profiles on all highly stressed sections of the boom
- No holes in the tension nor in the compression flange of the boom as these sections are exposed to maximum forces, ensures maximum stability
- Abandonment of weld seams at inaccessible spots reduces maintenance costs
- Unique ten-year manufacturer's warranty on the entire boom and over 25 years of experience in building aluminium cranes



Precise telescoping under load

- Precise telescoping even under heavy loads due to sophisticated control and boom technology
- Telescoping by using flyer chains and hydraulic cylinders allows for smooth steering even in extremely flat mast positions ensures working in a confined space
- No problems with slack cable unlike outdated cable-telescoping technology and therefore low maintenance and running costs
- Maximum flexibility and safety for all settings of tasks



Uncompromising durability

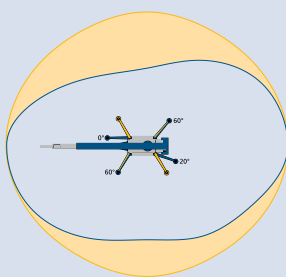
- Reliable components from well-known manufacturers with a worldwide service
- Variably adjustable hydraulic pumps guarantee ideal pressure and considerably low wear of the entire hydraulic system as well as low maintenance cost
- Certified endurance tests for telescoping and support cylinders, slide bars and steel cables
- Chassis successfully passed 100,000 km endurance test
- Unique warranty up to five years on the entire machine and up to ten years of warranty on the boom guarantee maximum investment security



Precise radio-remote control

- Radio-remote control with integrated graphic display made from one of the worldwide leading manufacturers (HBC radiomatic)
- Clear and well-arranged identification of all relevant operational data by easily understandable pictograms on the display for a safe operation of all functions
- Sophisticated control offers operation suggestions, e.g. when reaching the limit stop or the maximum range during construction
- Effective operation because several functions of the crane can be steered simultaneously without annoying switching
- Identification of fuel status and service intervals on the display in due time
- Standard diagnose function on the display of the radio-remote control





- maximum working range
- maximum range when variably supported (example)

PLC control for maximum safety

- Ultra-modern control ensures a sensitive and precise work with low vibrations
- Automatic approval of the maximum working range depending on the position of supports and attached load guarantees safe working
- Additional limitation of rotation angle for limiting the area of work e.g. operations close to high-voltage lines
- Choose between slow and quick movement depending on working situation
- Redundant safety concept – two separate safety circuits continuously monitor each other thus guaranteeing maximum working safety
- Entire safety concept certified by German technical inspection authority (TÜV Süd)



Powerful drive unit

- Choose between Honda petrol engine or Yanmar diesel engine (each 15.5 kW)
- Lifting of the maximum load is always possible thanks to optimum performance
- Operation of several crane functions at the same time ensures effective work
- Low consumption at constantly high power reserves in every operational situation
- Low emission of sounds thanks to modern engine technology
- Access to all components easy to maintain and guarantees low operational costs



Powerful drive

- Ideal weight distribution e.g. on lawn, paving stones etc. thanks to a tandem axle
- Low wear of the tyres thanks to the proven gearwheel drive technology
- Thanks to powerful hydraulic engines gradients of up to 25 % can be overcome without problems
- No overloading of the axles and the support wheels even under unfavourable conditions at the construction site and narrow travel motions
- Sensitive steering of the manoeuvring drive with operating lever or radio-remote control



Stable support system

- Swivel support legs made of fine-grained steel for maximum stability and safe standing position
- Solid hydraulic cylinder for a smooth height levelling, high jack lift of the supports guarantee ground clearance
- Operations in a hillside location possible thanks to the jack lift of the supports
- Solid and low-maintenance swivel mechanism guarantee low service costs
- Support plates are safely stowed on the crane and easily accessible at any time
- Robust LED-flash lights are safely integrated in the supports for a simple protection of the site of operation



Fully variable supports

- Fully independent adjustment of each crane support ensure a flexible installation and an optimal assembling geometry
- Thanks to the compact required space (slewing radius) operations at a roadside with moving traffic are possible
- Working on extremely confined construction sites and obstacles possible
- Automatic levelling function guarantees a fast and safe installation of the crane by completely using the radio-remote control
- Maximum stability regardless of the weather due to consistent safety concept

User-friendly even in the limit range

- "Getting stuck" is impossible in any position thanks to the modern PLC control technology
- Smooth starting in any working situation ensures maximum operation comfort
- Precise control of the crane under any operational circumstances facilitates the operation
- Retractable jib with rated capacity limiting system monitored by sensors, therefore no annoying plugging of helix cables required



Maximum working ranges

- Precisely putting down the load e.g. on the rear side of the roof thanks to the precise control and stable boom technology
- Maximum working ranges up to the rear side of the roof ensure effective working without moving the crane
- Extremely powerful even while carrying medium or heavy duties
- Powerful brake of slew ring prevents the entire bodywork from turning even with high wind load and maximum working ranges



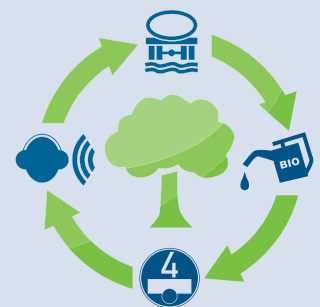
Sophisticated access platform technology

- Easy assembly and uncomplicated entry
- Extremely short changeover times thanks to the EasyLock system
- Automatic levelling of the access platform ensures comfortable working
- Connection to crane electric, therefore no separate drive unit, no additional emissions, more space and maximum operational safety
- Fast relocation as the access platform remains on the crane for onsite manoeuvring
- Rotatable access platform for operations under extremely narrow site conditions
- 230 volt power supply in the platform



Future-proof and environmentally friendly

- Biodegradable hydraulic oil with extreme durability and lowest water hazard class
- Modern truck engine technology (Euro 6) with maximum combustion efficiency guarantees optimum performance at reduced fuel and oil consumption as well as excellent emission values
- Superior emission values compared to smaller engines without diesel particulate filter
- Provable reduced fuel consumption due to latest engine technology
- Böcker cranes may be used in any environmental protection zone thus they are future-proof



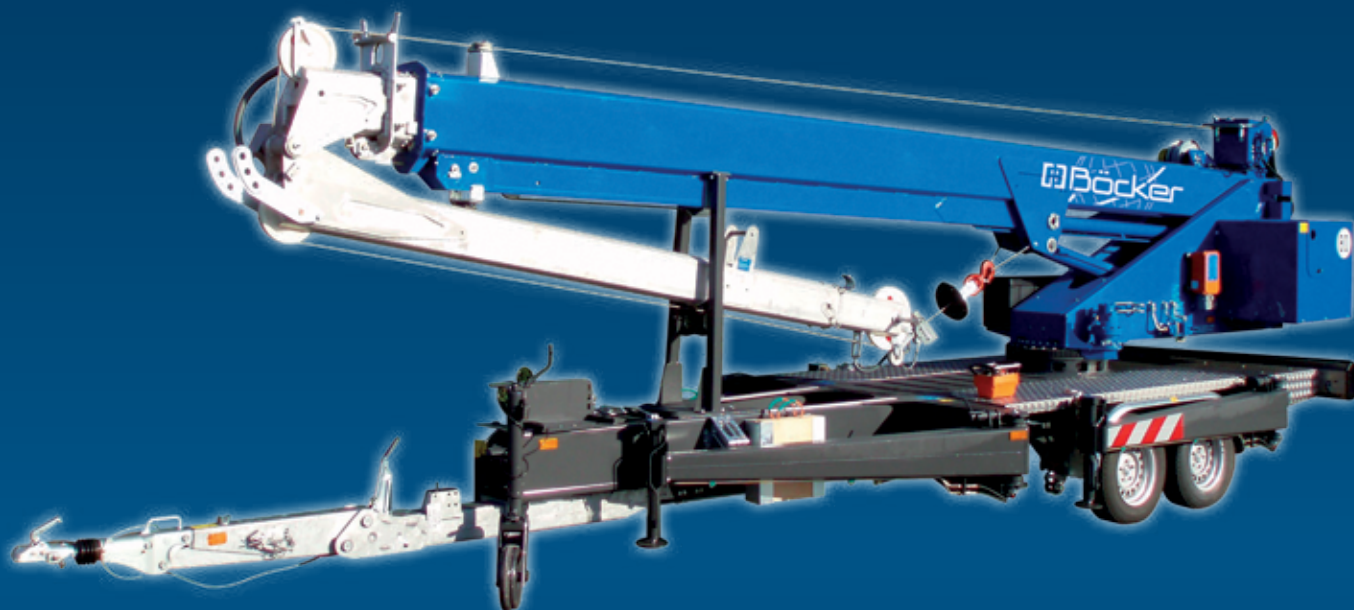
Comprehensive range of accessories

- Maximum versatility – accessories specifically tailored to each operation
- Lightweight aluminium design for maximum payloads and ranges
- Roof-tile clamps and platforms in various sizes and designs
- Tipper baskets and pallet forks in different sizes
- The Böcker crane accessories guarantee highly efficient work flows

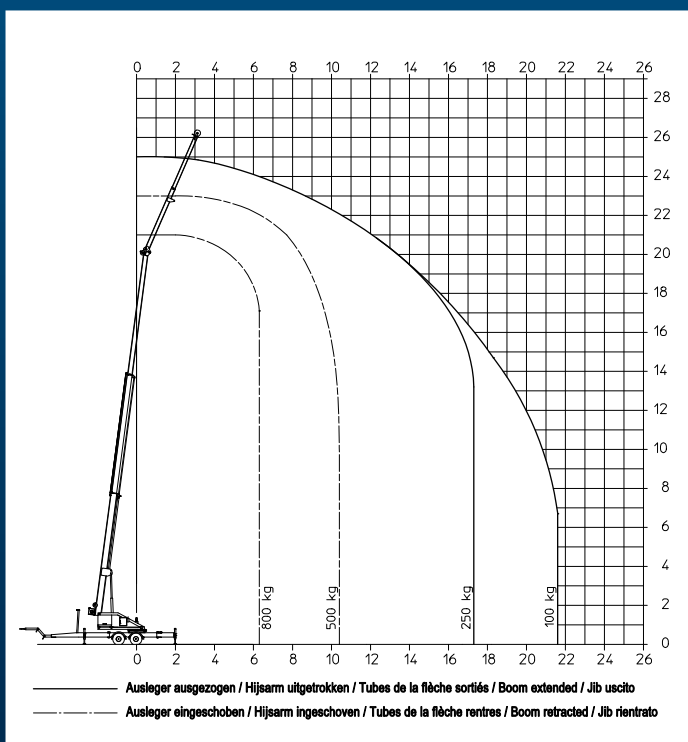




Aluminium Trailer Crane AHK 25 / 800 PLC



Duty chart



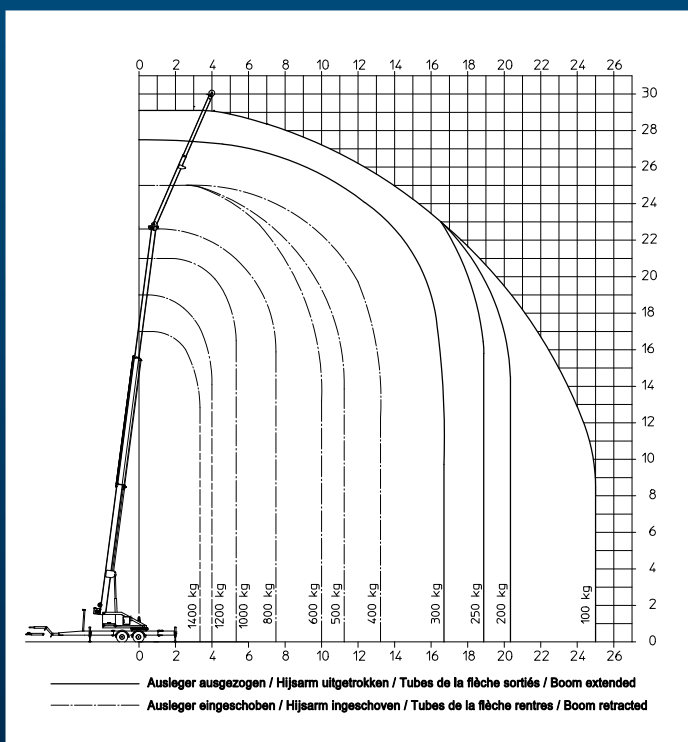
Technical specifications

Payload max. [kg]	800
Extension length max. [m]	25.00
Main boom length max. [m]	20.00
Jib extendible [m]	3.85 to 6.00
Jib payload [kg]	800 / 250
Main boom angle approx. [degrees]	85
Jib angle approx. [degrees]	mech. 135/150/165
Lifting speed approx. [m/min]	45
Support to both sides L x W [m]	5.20 x 5.20
Support to one side L x W [m]	6.80 x 3.65
Vehicle dimensions L x B x H [m]	8.50 x 2.20 x 2.55
Gross vehicle weight [kg]	2,850

Aluminium Trailer Crane AHK 30 / 1400 PLC



Duty chart



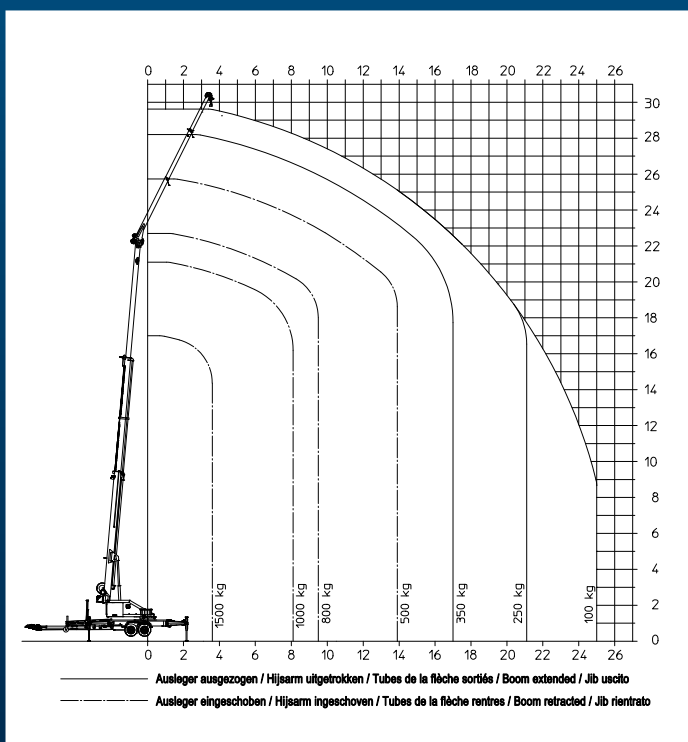
Technical specifications

Payload max. [kg]	1,400
Extension length max. [m]	30.00
Main boom length max. [m]	22.00
Jib extendible [m]	4.80 to 9.10
Jib payload [kg]	1,400 / 300 / 250
Main boom angle approx. [degrees]	85
Jib angle approx. [degrees]	mech. 135/150/165
Lifting speed approx. [m/min]	55
Support to both sides L x W [m]	5.40 x 5.40
Support to one side L x W [m]	7.30 x 3.75
Vehicle dimensions L x B x H [m]	9.00 x 2.20 x 2.60
Gross vehicle weight [kg]	3,500

Aluminium Trailer Crane AHK 30 / 1500 PLC



Duty chart



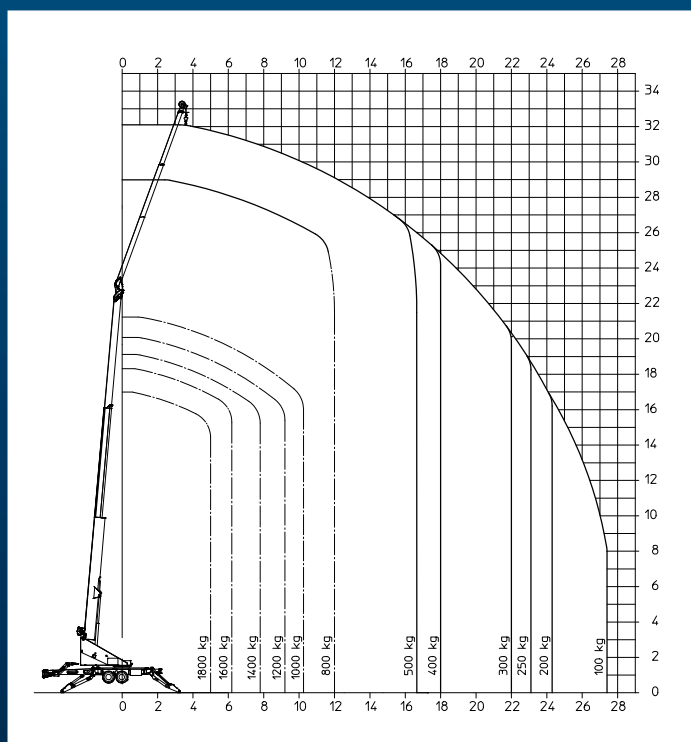
Technical specifications

Payload max. [kg]	1,500
Extension length max. [m]	30.00
Main boom length max. [m]	22.00
Jib extendible [m]	4.80 to 9.10
Jib payload [kg]	1, 500 / 350 / 250
Main boom angle approx. [degrees]	85
Jib angle approx. [degrees]	hydraulic 0 to 160
Lifting speed approx. [m/min]	60
Support to both sides L x W [m]	5.40 x 5.40
Support to one side L x W [m]	7.00 x 3.75
Vehicle dimensions L x B x H [m]	9.05 x 2.30 x 2.60
Gross vehicle weight [kg]	3,500

Hybrid Trailer Crane AHK 34 / 1800 PLC



Duty chart



Technical specifications

Payload max. [kg]	1.800
Extension length max. [m]	34.00
Main boom length max. [m]	22.00
Jib extendible [m]	4.85 to 11.05
Jib payload [kg]	1,800 / 800 / 500
Main boom angle approx. [degrees]	85
Jib angle approx. [degrees]	hydraulic 0 to 165
Lifting speed approx. [m/min]	60
Support to both sides L x W [m]	5.40 x 5.40
Support to one side L x W [m]	7.20 x 3.60
Vehicle dimensions L x B x H [m]	9.13 (7.03) x 2.05 x 2.83
Gross vehicle weight [kg]	3,500

Maximum performance by innovation

Boom package

- Steel/aluminium hybrid mast technology
- Use of extremely solid steel with extremely high strength and special aluminium alloy
- Combination of both materials and optimized adjustment of chassis and boom ensure maximum flexibility and unique performance values regarding the working range, payload, minimum bending, user comfort and safety
- Smooth telescoping thanks to the hydraulic cylinder at any time possible even with load
- Interior energy chain



Multiflex support

- Pivotal and foldable stabilizers
- Swivelling over obstacles possible without problems
- Alignment of stabilizers in direction of the load ensures maximum working ranges
- Minimum required space and precise adjustment to the conditions on site thanks to 256 possible stabilizer positions
- Levelling of ground unevenness up to 50 cm without substructure
- Convenient control of stabilizers by radio-remote control
- Stabilizer plates safely stored on the crane
- Automatic self-levelling



EHSC control

- Fast PLC control in 32 bit technology with 150MHz
- Automatic approval of maximum working range depending on the stabilizer positions as well as the attached load
- Smooth acceleration of crane functions in any working situation ensures minimum swinging of loads
- Slack-rope device and winch monitoring system
- Overall safety concept certified by German inspection authority DEKRA
- Radio-remote control with full-graphic display and intuitional control by jog-shuttle
- Fully automatic boom retraction to transport position



Swivelling drawbar

- Simple swivelling of drawbar ensures reduction of required length on site from 9.20 m to only 6.90 m
- No dismantling of construction parts necessary
- Extremely compact dimensions also for on-site manoeuvring
- Required space on site is reduced clearly
- Stable jockey wheel





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