

BAUMANN SIDeloadERS STRONG AND ADAPTABLE



Long loads handling 3 - 45 t

CAVAION SIDeloadERS
BAUMANN 

THE ULTIMATE IN LONG LOAD HANDLING

Handling long loads in a factory or process environment demands solutions with reliable equipment 'tailor made' to the space that is available to them. BAUMANN offers the most comprehensive range of sideloaders to handle a multitude of products that could be considered long or bulky. Whilst most commonly used in the timber and steel industries, the machines can also be specified to suit the nuances of plastic, concrete and other materials. BAUMANN ensures high quality, high safety, high productivity and provides an excellent return on a customer's investment.

STATURE

The BAUMANN Company has been established for over 40 years during which time it has firmly established itself as a Premium Class supplier of high quality sideloaders in this specialised area of materials handling. The Company is renowned worldwide as an innovator, especially in the important areas of safety and productivity and has a strong reputation for its ability to 'customise' standard models around a users specific needs as well as being a strong, reliable and professional partner in after-sales.

BAUMANN AND BAUMANN ROSSO

In some countries BAUMANN sideloaders can also be available as BAUMANN ROSSO. These machines are available from our network of specialised partners but, you can be rest assured, they are identical to the original machine in specification, quality, reliability and, importantly, produced in the same factory.



NEW ERGONOMIC OPERATORS CAB – AVAILABLE IN DIFFERENT SIZES

The new operator's cab offers the very latest technology and use of space and ergonomics. However, the driver does not simply gain the benefit of comfort – but information too by way of an operation control system mounted in the dashboard providing a constant update of machine operational status.

Hydraulic levers are naturally placed to the driver's right who also has a multi-adjustable armrest for optimum comfort. The operator enjoys a high degree of visibility, and therefore safety, all round by virtue of the large glass areas and will find his feet free from obstacles in the uncluttered floor area.

The new cab is available in no less than four widths ranging from 750mm to 1070mm. It is mounted on a new hydrobush system that absorbs oscillations on two planes which significantly reduces the vibration and increases driver comfort. The tilting glass roof has also been designed in a manner that allows it to be used as an emergency escape in the unfortunate event the driver becomes trapped in a narrow aisle.

LOAD STABILISING TILT SYSTEM

Two cylinders mounted below the platform tilt the chassis and provide optimum load stability. This system enables the carriage and the forks to remain horizontal during the loading process – this in spite of any ground variations that may exist. Another important safety feature of the Baumann sideloader product range.





EASY ACCESS, PERFECT VISIBILITY AND EXTRA COMFORT



BAUMANN MAST

Baumann masts are specifically designed for the idiosyncrasies of sideloader applications. The exact profile and angular mounted mast rollers have been selected to compensate for the axial and radial forces associated with sideloader handling, resulting in safer handling and less maintenance. Visibility remains a strong factor as does a free-lift facility to just below deck-height. Special free-lift masts and triple masts are also available in a variety of permutations as an option.



CHASSIS AND AXLES

The chassis is produced in a rigid-torsion welded construction in order to ensure maximum strength. The axles for the X-model also carry the engine and the hydraulic components. Consequently, these parts are not connected directly to the chassis and therefore protected from any unnecessary vibration. The complete engine and drive assembly is mounted in an individual tray for ease of maintenance and to ensure a lower centre of gravity thus greater stability at higher lift heights.



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ENGINE

The latest traction technology is available in all BAUMANN Sideloaders. High performance and low-emission engines, from established suppliers such as Perkins and Volvo,



provide generous torque and power. Catalytic systems and other emission enhancing technology are also available on request.

MAINTENANCE ACCESSIBILITY

All BAUMANN sideloaders have been designed with an emphasis on maintenance accessibility. The ability to access the machine, together with the fact that our distribution partners train their service technicians in our factory, results in a high-degree of first-time fix with minimum downtime. Spare parts are available thru an online system that minimises waiting time for spare parts.

EXTRA FEATURES – AS STANDARD

Full road-lighting, cab roof lights (adjustable from inside the cab) and free-lift to deck height are examples of the standard features of BAUMANN equipment. The hydraulic Load-Sensing-System (standard from 5t GX/GS upwards) is unique and ensures hydraulic flow is on-demand rather than a permanent load on the engine. Consequently, the customer will benefit from greater hydraulic performance over the life of the machine, longer component life and reduced fuel consumption and exhaust emissions.

TYRES

The correct size tyre is a critical consideration in sideloader applications. BAUMANN always adopt a policy of a increased safety factor in this critical area – not only to enhance machine stability but also to reduce tyre wear.

BRAKE SYSTEM

BAUMANN sideloaders are equipped with a braking system actuating on all 4 wheels. The hydrostatic brake applies to the rear drive motors the instant the accelerator pedal is released. The service brake is activated using the brake pedal and brakes the front axle. The hand-brake function is mounted on the dashboard and provides an electric park brake activation to the drive wheels.



YELLOW AND RED – THE ORIGINAL BAUMANN CAVAION SIDELADERS



MAST TRAVERSE

Two diagonally-opposing hydraulic cylinders provide the mast traverse function with a direct and smooth hydraulic control. An integrated cushion system dampens the final movement of mast retraction to protect both the machine stability, and the load on the forks.

TYRE PROTECTION



In harsh operating environments, tyre walls can become susceptible to damage. BAUMANN offers a variety of solutions to reduce the effect of damage and avoidable downtime.

ADDITIONAL PROTECTION



In certain applications, BAUMANN can also offer protective measures for the complete truck and / or the load.

VISIBILITY AIDS



Complete video systems provide visibility to the area surrounding the truck and can be particularly useful when travelling with high and long loads on the platform. Additional safety equipment, such as reverse alarm and warning lights, are also available from BAUMANN to suit individual customers' safety requirements.

AUTO-LUBRICATION SYSTEM

As an option BAUMANN sideloaders can be equipped with an auto-lubrication system that increases component lifetime. Greasing during the operation – the best solution.

BAUMANN 'COMFORT STEPS'



BAUMANN offers, as an option, electrically operated 'comfort steps' for easy and safe access to and from the drivers cab. Simply by flicking a switch, the ladder can be stowed under the cab whilst machine is operated, and extended for mounting / dismounting.

DIRECT ACCESS

In dusty environments especially, the maintenance of the cooling system is essential. A large service cover at the rear of the chassis provides direct access to the radiator, which can then be easily cleaned and maintained.



ATTACHMENTS



Attachments produced by BAUMANN are usually mounted integrally. This minimises any loss in load capacity or usable platform width. For customers wishing to interchange between forks and attachments, quick release systems are also available.

ROTATING SEAT

For optimum operator comfort and safety during the loading and unloading process, rotating seats are available to assist the driver.





BAUMANN SIDELOADERS – TAILOR MADE SOLUTIONS



BAUMANN – SIDELOADER APPLICATIONS

BAUMANN sideloaders are designed to meet the most difficult challenges. With the most comprehensive range of standard sideloader equipment together with a proven ability to 'custom-build' against specific applications, BAUMANN can find the right transport solution.

Customers will find the BAUMANN team will always be available with innovative ideas built on years of experience offering professional advice and support.





BAUMANN SIDELOADERS – FOR THE MOST ARDUOUS APPLICATIONS





BAUMANN – ADAPTABLE AND COMPACT OR FOR REALLY HEAVY LOADS



BAUMANN SIDeloadERS – MODEL OVERVIEW

BAUMANN HX 30 - 50

A low platform height is a key benefit of the 3-5 tonne compact machines enabling operators easy access to the cab and, if needed, platform areas. Powerful engines and responsive handling are also inherent qualities of this popular range. With all BAUMANN products a comprehensive range of options are available to complement a generous standard specification.

| | |
|---------------------------|--------------------------------------|
| Load capacity: | 3 – 5 t |
| Engine: | 50 kW 4 cylinder water-cooled diesel |
| Transmission: | Rexroth hydrostatic |
| Platform height: | 830 mm |
| Standard lift height: | 4.000 mm |
| Standard platform widths: | 1200 and 1400 mm |

Baumann Advantage: Baumann load stabilising tilt system, high residual capacities, proven Baumann mast.

BAUMANN GX/GS 50 - 75

Stability and strength are the two outstanding characteristics of these model ranges. The GX truck incorporates over-dimensioned components and under-deck traction units for the best rearward visibility and optimum weight distribution. The GS machine, with the engine-mounted above-deck, allows a number of engine variations and the ultimate maintenance access. Both, GX and GS are equipped with high quality Rexroth transmission units and all drive components are perfectly matched with each other for optimum performance and reliability.

| | |
|---------------------------|---|
| Load capacity: | 5 – 7.5 t |
| Engine: | 63.5 – 74.5 kW Perkins Diesel engine model 1104D-E44T |
| Transmission: | Rexroth hydrostatic |
| Platform height: | 1050 mm |
| Standard lift height: | 4.000 mm |
| Standard platform widths: | 1200 and 1400 mm |

Baumann Advantage: Baumann load stabilising tilt system, high residual capacities, proven Baumann mast, new Comfort cabine and hydraulic Load-Sensing-System

BAUMANN GX/GS 80 - 100

A powerful range for heavy loads in arduous steel or concrete applications whereby all machine components are working comfortably within their operational limits. Designed for harsh, multi-shift operations and yet delivering impressive agility with un-surpassed reliability.

| | |
|--------------------------|--------------------------------|
| Load capacity: | 8 – 10 t |
| Engine: | 116.5 kW Perkins Diesel engine |
| Transmission: | REXROTH |
| Platform height: | 1320 mm (8t) 1420 mm (10 t) |
| Standard lift height: | 4.000 mm |
| Standard platform width: | 1400 mm |

Baumann Advantage: Baumann load stabilising tilt system, high residual capacities, proven Baumann mast, new Comfort cabine and hydraulic Load-Sensing-System

BAUMANN GX/GS 120 - 450

BAUMANN has the experience and the pedigree in design and construction of sideloaders for very heavy lifting and transport. These special machines are purpose-built around customer's exact requirements.

| | |
|-----------------------|---|
| Load capacity: | 12 – 45 t |
| Engine: | Perkins and Volvo |
| Transmission: | REXROTH hydrostatic and CLARK power-shift |
| Standard lift height: | 3.500 mm |

Baumann Advantage: Baumann load stabilising tilt system, high residual capacities, proven Baumann mast, new Comfort cabine and hydraulic Load-Sensing-System

BAUMANN EHX/EGX 30 - 70

An environmentally friendly alternative to an i.c engine sideloader. No exhaust emissions, very low noise with a close performance to an engine powered sideloader without the same maintenance costs.

| | |
|---------------------------|--|
| Load capacity: | 3 – 7 t |
| Traction: | 2 AC Drive motors with high frequency Mosfet controllers |
| Standard lift height: | 4.000 mm |
| Standard platform widths: | 1200 and 1400 mm |

BAUMANN advantage: Baumann tilt system, high residual capacities, proven Baumann mast, no emissions and low noise

BAUMANN FOX Multi-directional sideloader

4-wheel configuration offering greater stability and steering control. Full multi-directional capability and platform tilt function to facilitate loading and safer transport of the load without the need of utilising the forks.

| | |
|---------------------------|---------------------------------|
| Load capacity: | 4 t |
| Engine: | 50 kW- 4 cylinder Diesel engine |
| Transmission: | REXROTH hydrostatic |
| Platform height: | 520 mm |
| Standard lift height: | 4.000 mm |
| Standard platform widths: | 1000 mm, 1200 mm and 1400 mm |

Baumann Advantage: 4 wheel configuration, platform tilt, high residual capacities, proven Baumann mast, fingertip hydraulic control.

BAUMANN SIDELOADERS – THE ORIGINAL SIDELOADER FROM CAVAION

For 40 years, the BAUMANN name has been synonymous with production of high quality, high specification sideloaders. The Company adopts a policy of continuous improvement and embraces new technology as and when it comes available to the benefit of our customers and distribution partners. The extended BAUMANN network of distributors and service partners have been specifically selected for their professionalism and adoption of the consultative approach taken centrally by the BAUMANN Company.



Cavaion Baumann USA

855-334-2909
sales@cavaionbaumannusa.com

CAVAION SIDELOADERS
BAUMANN 
USA

Cavaion Baumann USA
PO Box 90
Fredericksburg, VA 22404