| Materials Handling Equipment For Long Loads

CAVAION SIDELOADERS
BAUMANN®
the art of working sideways

GS/GXS Series

10-60 Tonnes Capacity

Strong, capable & robust
Designed for harsh environments
Heat & damage protection
Low-emission diesel engine
High residual load capacities
Chassis-tilting system for safer load handling

Tougher, Smarter & Built To Last

The Baumann GS / GXS series is definitively the most robust, yet most compact sideloader with this lifting capacity. The series guarantees not only safe and reliable handling of long and bulky goods, but also the best possible cost/benefit ratio.

Even at these capacities, our aim has been to deliver the levels of productivity, flexibility and reliability that we have become rightly famous for.

Maneuverability

The guiding principle is a robust and simple construction combined with compact dimensions for maximum possible manoeuvrability and service-friendliness. With their 16.00-25 tyres, these sideloaders remain the most compact - and thus most manoeuvrable - in their load class.

Productivity

With these giants, the frame, drive axle and steering axle are reliable, stable and designed for a long life. Options such as convenient Baumann hydraulic stairs, rear view cameras or central lubrication systems further increase the service-friendliness, ease of use, performance and safety.

Comfort As Standard

All the advantages of the Baumann sideloaders, such as the automatic stabilization system or the hydraulic bushings under the cab, can be found in this series as standard.

Onboard Electronics

The on-board electronics have been kept to a minimum to reduce the possibility of electromagnetic interference and damage from high temperatures prevalent in steel and aluminium manufacturing.

Easy Access

These models are designed with extremely robust chassis and axle protection. We also provide an hydraulic stair option for greater comfort and convenience.

Bespoke Masts

Generously-dimensioned profiles and lift mast rollers help withstand the high stresses. To make our equipment even more robust, a Baumann duplex mast without free lift is incorporated as standard. Duplex masts with full free lift are also available to suit customers' requirements.

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A host of handling options: every truck is designed for a specific application

Our equipment's renowned durability is key to our long-standing partnerships with heavy and specialist load users across the globe.

This toughness comes from using quality components, for example Baumann axles guarantee a long service life, robustness and safety.

Other items are used intelligently to reduce wear, such as the galvanised axle bolts, and longer-lasting bronze bushings.

The contact between bronze and steel also results in practically no corrosion of the material, with much reduced abrasion than with conventional steel-steel contact.

Reduced wear of the axles is of particular importance for sideloaders because there are additional rotational pressures acting upon them.

During our research and development stages, great emphasis is also placed on simplifying the maintenance and servicing of our equipment. Commonality of parts is one way to achieve this, hence all the bolts used at the connections between the outreach cylinders and their vertical supporting brackets are the same as those used in the axle brackets.

Reinforced pin rod eyes are incorporated in both the outreach cylinders and the tilting cylinders.

We also discuss the latest developments in steel production, stockholding and handling with our many customers to ensure we provide equipment that meets today's tough demands.

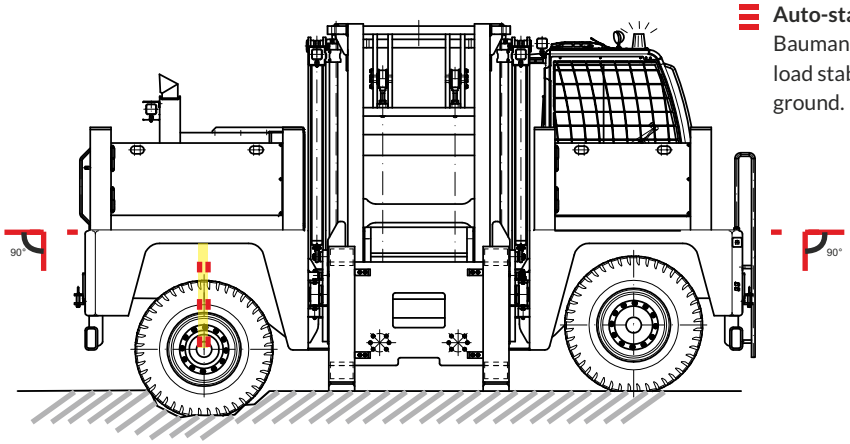
This work, combined with our decades of experience, extensive dealer network and online parts system, allows Baumann to guarantee the optimum availability of spare parts and a seamless service for comparatively low parts stocking costs.

It adds up to a highly-productive package and a manufacturer that is committed to ensuring equipment works efficiently and effectively today, tomorrow and for years to come.

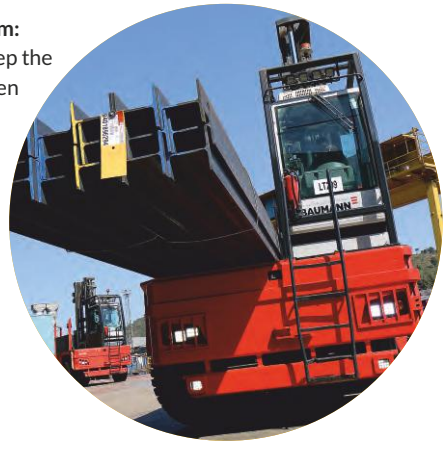
The built-in Cummins engine Stage V (Tier Final 4 EPA/CARB) is well established worldwide and is characterized by low emissions and noise reduction despite high performance. They are real powerhouses.

The engine is placed under the platform to minimize the obstruction of the driver's view. The GX / GXS series sideloaders are highly customized to perfectly suit the needs of customers worldwide.

Practical Innovation: *Our attachments are developed to minimize the loss of usable platform width or the reduction in load capacity.*

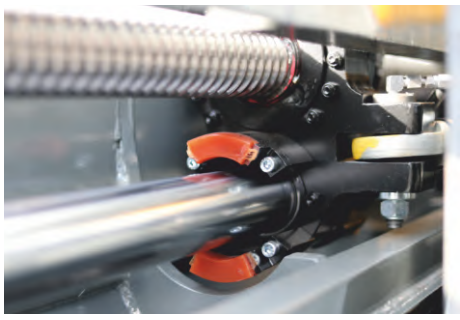


Auto-stabilization system: Baumann sideloaders keep the load stable even on uneven ground.



Technical Data			**GS 80 14 / 16 / 18**	**GS 100 14 / 16 / 18**	**GS 120 14 / 16 / 18**
Lifting capacity	Q	Kg	8000	10000	12000
Load center	C	mm	700 / 800 / 900	700 / 800 / 900	700 / 800 / 900
Fork length	l	mm	1300 /1500 / 1700	1300 /1500 / 1700	1300 /1500 / 1700
Fork width	b	mm	200	200	200
Fork thickness	s	mm	70 / 70 / 80	70 / 70 / 80	70 / 70 / 80
Drive			Diesel	Diesel	Diesel
Type of steering			Hydrostatic	Hydrostatic	Hydrostatic
Type of tyres			Pneumatic	Pneumatic	Pneumatic
Dimensions					
Total length	L	mm	5760	5760	5760
Total width	B	mm	2300 / 2500 / 2700	2300 / 2500 / 2700	2300 / 2500 / 2700
Overall height mast lowered	h1	mm	3020	3020	3095
Overall height mast extended	h4	mm	5020	5020	5095
Cabine height	H	mm	3220	3220	3200
Lift height	h3	mm	4000	4000	4000
Free lift	h2	mm	600	600	600
Inclination up/down		°	4.1 / 3.54 / 3.11	4.1 / 3.54 / 3.11	4 / 3 / 2.5
Platform height	P	mm	1370	1420	1395
Platform widht	N	mm	1400 / 1600 /1800	1400 / 1600 /1800	1300 / 1500 / 1700
Lateral movement	F	mm	1500 / 1700 / 1900	1500 / 1700 / 1900	1400 / 1600 / 1800
Load spacing max.	x	mm	100	100	100
Framework cut	E	mm	1780	1780	1780
Fork spacing max	d	mm	1600	1600	1600
Turning radius inner	R	mm	1000	1000	1840
Turning radius outer	W	mm	5600 / 5700 / 5800	5600 / 5700 / 5800	6100 / 6200 / 6300
Aisle width	A	mm	2700 / 290 / 3100	2700 / 290 / 3100	2700 / 2900 / 3100
Aisle width for 90° Turning	G	mm	5150 /5250 / 5350	5150 /5250 / 5350	5200 / 5300 / 5400
Performance					
Travel with/without load		Km/h	20/23	20/23	20/23
Lifting with/without load		m/s	0.27/0.3	0.27/0.3	0.27/0.3
Lowering with/without load		m/s	0.34/0.3	0.34/0.3	0.34/0.3
Traverse with/without load		m/s	0.25	0.25	25
Tractive power		kN	72	72	67
Gradeability		%	16/21	16/21	16/21
Weights					
Weight of truck		Kg	16000 / 16200 / 16500	16000 / 16200 / 16500	18500 / 1900 / 19500
Axle load front		Kg	12800 / 13000 / 13200	12800 / 13000 / 13200	13000 / 13200 / 13400
Axle load rear		Kg	13100 / 13200 / 13400	13100 / 13200 / 13400	13200 / 13400 / 13600
Chassis					
Tyres front/rear			2/2	2/2	2/2
Tyres size front/rear		Inches	12.00-20	12.00-24	14.00-20
Tyres outside diameter		mm	1257	1257	1231
Wheel base	Y	mm	3590	3590	3590
Track front	Sp1	mm	1915 / 2115 / 2315	1915 / 2115 / 2315	1915 / 2115 / 2315
Track rear	Sp2	mm	1945 / 2145 / 2345	1945 / 2145 / 2345	1945 / 2145 / 2345
Ground clearance		mm	300	300	300
Service brake	hydraulic		All wheels	All wheels	All wheels
Parking brake	hydraulic		Drive wheels	Drive wheels	Drive wheels
Drive					
Diesel engine manufacturer			Cummins	Cummins	Cummins
Type		KW	B 4.5	B 4.5	B 4.5
Power		PS	129	129	129/175
Speed		rpm	2200	2200	2200
Cylinder / displacement		x/cm3	4/4.500	4/4.500	4/4.5
Transmission			Direct	Direct	Direct
Gearbox			Hydrostatic	Hydrostatic	Hydrostatic
Battery		V/Ah	24V 850A	24V 850A	24V 850A

GS 150 16 / 18 / 20	GS 180 16 / 18 / 20	GX 200 20 / 25	GXS 250 20/25
15000	18000	20000	25000
800 / 900 / 1000	750 / 850 / 950	1000 / 1250	1000 / 1250
1600 / 1800 / 2000	1500 / 1700 / 1900	2000 / 2500	2000 / 2500
200	200 / 250 /250	300	350
90	100	100	100
Diesel	Diesel	Diesel	Diesel
Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Pneumatic	Pneumatic	Pneumatic	Pneumatic
6350	6350	6900	7380
2600 / 2800 / 3000	2600 / 2800 / 3000	3100 / 3600	3150 / 3650
3550	3550	3700	4100
5585	5585	5350	5850
3300	3300	3600	3600
4000	4000	3500	3500
0	0	0	0
4.3 / 3.8 / 3.3	4.3 / 3.8 / 3.3	3.4 / 2.5	3.4 / 2.5
1550	1550	1800	1800
1600 / 1800 / 2000	1500 / 1700 / 1900	2000 / 2500	2000 / 2500
1700 / 1900 / 2100	1600 / 1800 / 2000	2100 / 2600	2200 / 2700
100	100	200	200
1920	1920	1900	2020
1740	1740	1740	1800
1960	1960	1500	1650
6900 / 7000 / 7100	6900 / 7000 / 7100	7010 / 7330	7505 / 7830
2950 / 3150 / 3350	2950 / 3150 / 3350	3720 / 4210	3760 / 4250
5700 / 5850 / 6000	5700 / 5850 / 6000	6300 / 6650	6680 / 7000
20/22 / 23 / 24	20/22 / 23 / 24	25/25	25/25
0.27/0.3	0.27/0.3	0.22/0.25	0.22/0.25
0.34/0.3	0.34/0.3	0.3/0.25	0.3/0.25
0.25	0.25	0.22	0.22
78	85	155	155
15/21	15/21	25/25	25/25
27000 / 28000 / 29000	27000 / 28000 / 29000	33000 / 38000	42500 / 45000
19000 / 20000 / 21000	19000 / 20000 / 21000	28000 / 30000	33000 / 34000
22000 / 23000 / 24000	22000 / 23000 / 24000	31000 / 34000	37500 / 38500
2/2	2/2	2/2	2/2
14.00-24	14.00-24	16.00-25	16.00-25
1384	1384	1521	1521
4150	4150	4400	4800
2200 / 2400 / 2600	2200 / 2400 / 2600	2700 / 3200	2700 / 3200
2200 / 2400 / 2400	2200 / 2400 / 2400	2700 / 3200	2700 / 3200
300	300	300	300
All wheels	All wheels	All wheels	All wheels
Drive wheels	Drive wheels	Drive wheels	Drive wheels
Cummins	Cummins	Cummins	Cummins
B6.7TAA	B 6.7TAA	B 6.7TAA	B 6.7TAA
168/225	168/220	168/225	168/225
2200	2200	2200	2200
6/6.700	6/6.700	6/6.700	6/6.700
Direct	Direct	4/4 Shiftronic - APC 120	4/4 Shiftronic - APC 120
Hydrostatic	Hydrostatic	Torque Converter	Torque Converter
24V 850A	24V 850A	24V 850A	24V 850A



Award-winning innovation: *Decades of manufacturing experience and expertise has enabled us to improve, innovate and push sideloader design forward.*

The blending of innovation, productivity and durability.

Baumann machines can cope with almost anything you can throw at them.

Our chassis are built to exacting standards, while our masts have a unique profile designed for the specific demands of working sideways.

Toughness is just one of the secrets to our success, helping our equipment to be known worldwide for its durability and reliability.

Baumann is also renowned as an innovator, especially in the important areas of safety and productivity.

Our Variable Reach System (VRS) with Archimedes Outreach is the most advanced development in sideloader design in over 50 years.

We have been nominated five times in the Fork Lift Truck Association's Excellence Awards, winning for both Environment and Innovation, and are the only sideloader manufacturer to receive the prestigious Watt d'Or from the Swiss Federal Office of Energy.

With a strong reputation for our ability to customise standard models around specific needs, we are a reliable and professional partner, particularly in technical support and after-sales.

Our panoramic operator cabs offer the very latest technology, efficient use of space and high levels of ergonomics.

It all adds up to an enviable package blending the perfect levels of innovation, productivity and durability.

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