

| Materials Handling Equipment For Long Loads

CAVAION SIDeloadERS
BAUMANN 

the art of working sideways

GX SERIES

5 - 8 TONNES CAPACITY
with VRS

Reliable & robust
Hydrostatic drive
Excellent visibility
Euro Stage V Compliant
Heavy-duty components
Load-sensing
Auto-deck levelling



Introducing The GX Series:

Tough reliability when you need it

The GX Series is a real workhorse. The new range features a refined chassis, superb ergonomic cabins and new joystick controllers, offering the best levels of durability, productivity and control in the market.

Add to that the Variable Reach System (VRS) which builds on the company's award-winning Archimedes outreach method, and you have amazing smooth control and durability for demanding long load applications.



Powertrain reliability



The GX Series features two powerful engines - the TCD 55kw Deutz Stage V diesel engine with DPF & DOC, without Ad Blue, or the powerful 85kw option with DPF, DOC, and Ad Blue. The reliable hydrostatic transmission, load sensing, joystick control, and full road-legal LED lighting make this the market leader in engine siders.

Panoramic cabin



Changes in materials and advances in toughened glass enabled us to reconfigure the panoramic glass panel on the new cabin. Following two years of trials and six months of rigorous testing, the cabin was redesigned to strengthen the framework, simplify access and allow central side struts to be removed.

VRS Outreach



The unique award-winning Baumann VRS outreach system provides smooth and accurate mast travel. A bespoke valve block allowed us to double the Archimedes spindle thread size and corresponding number of bearings, halving of the pressure required between them, providing greater control and the ability to seal the spindle head.

Tough decks



Strong, reliable and refined, the GX provides excellent productivity and safety for long load users. On the deck, there are two durable options - a toughened hard-wearing composite cover, or checkerplate steel decks with hard-wood timber bearers.

Auto-stabilisation



Once the platform is fixed in the horizontal position, the load remains stable even on uneven ground. The compact footprint, great visibility and tight turning circle allow complete confidence in operator safety and load security.

Bespoke hydraulics



The Baumann technical development team worked with our valve bank supplier to improve its performance, allowing movements characteristic only to siders and new options, such as the choice of electronic or manual joysticks. Two Bosch & Rexroth hydrostatic wheel motors are used in conjunction with piston pumps with variable displacement.

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



Amongst the most popular attachments are spreader beams and extended carriages.

For very long loads a fixed spreader beam (attached to a standard carriage) sits outside the chassis with an additional fork at either end.

Extended carriages allow the forks to travel along the full length of the truck, adding the ability to close the forks together.

It's therefore possible to carry different lengths, such as a load positioned above the deck, or even a pallet in the sideloader well.

If the centres of gravity of your loads vary, or movement is restricted, fork positioners allow you to move the forks relative to the truck (but always a fixed distance from one another) via hydraulic rams mounted in the carriage.

When a load is stored on a slope or cannot be raised with level forks a hydraulic lifting and lowering fork raises one fork a few inches.

If both forks require independent movement, vertically moveable forks can provide lift independent of the mast.

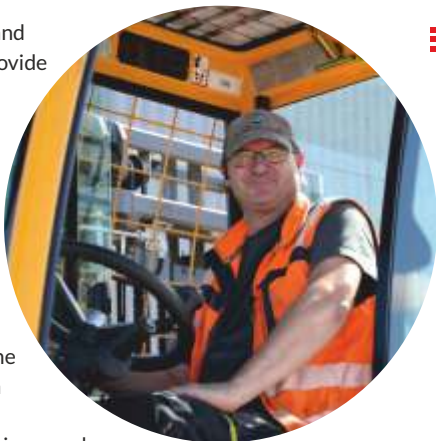


Tilting the deck, mast or forks

Tilting a mast back to secure the load is common practice on forklifts and reach trucks, but on a Baumann sideloader the mast is fixed and the whole truck tilts sideways. The whole of the machine can be tilted horizontally, to improve load picking and security.

This allows Baumann sideloaders to feature self-levelling beds. When travelling over uneven ground the deck, and therefore the load, remain perfectly level and secure. Occasionally, a tilting carriage can be added to the mast to provide an additional 5 degrees (plus or minus) of tilt.

The raised position and panoramic cabins provide views that are unrestricted by a mast and hydraulic pipes, meaning the forks are in clear view and it's far easier to judge where the load is. Even so, a host of camera options on the chassis and mast can provide additional reassurance, and cabins can also be raised, widened or even specified to rotate through 180 degrees.



The surface of the deck is usually made of a specially reinforced composite deck board, but for handling steel it may be checker plate (also called diamond plate or steel tread plate) for protection purposes.

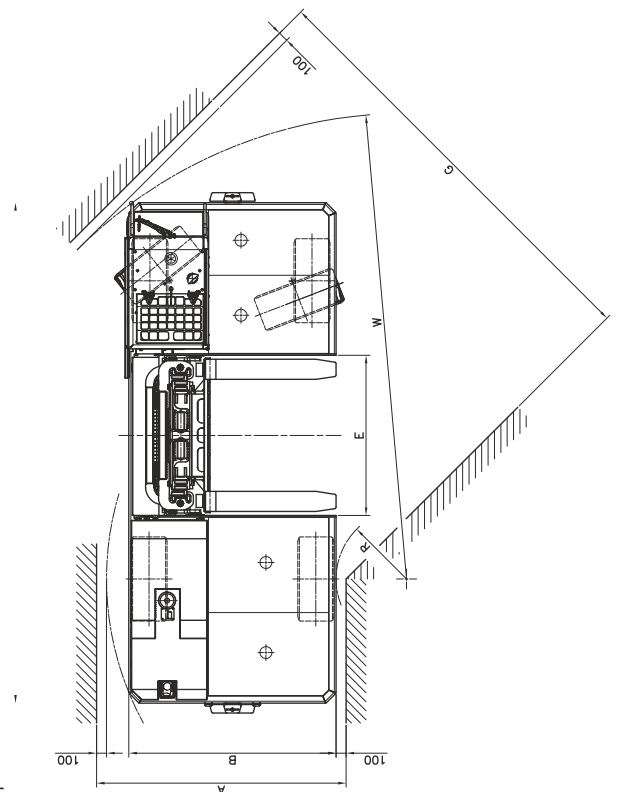
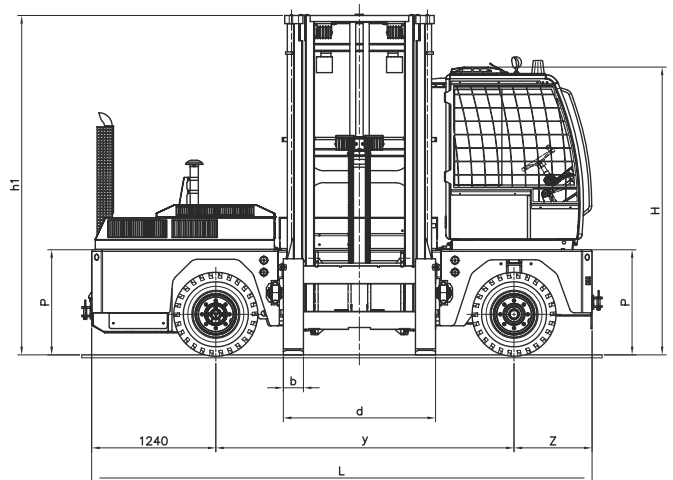
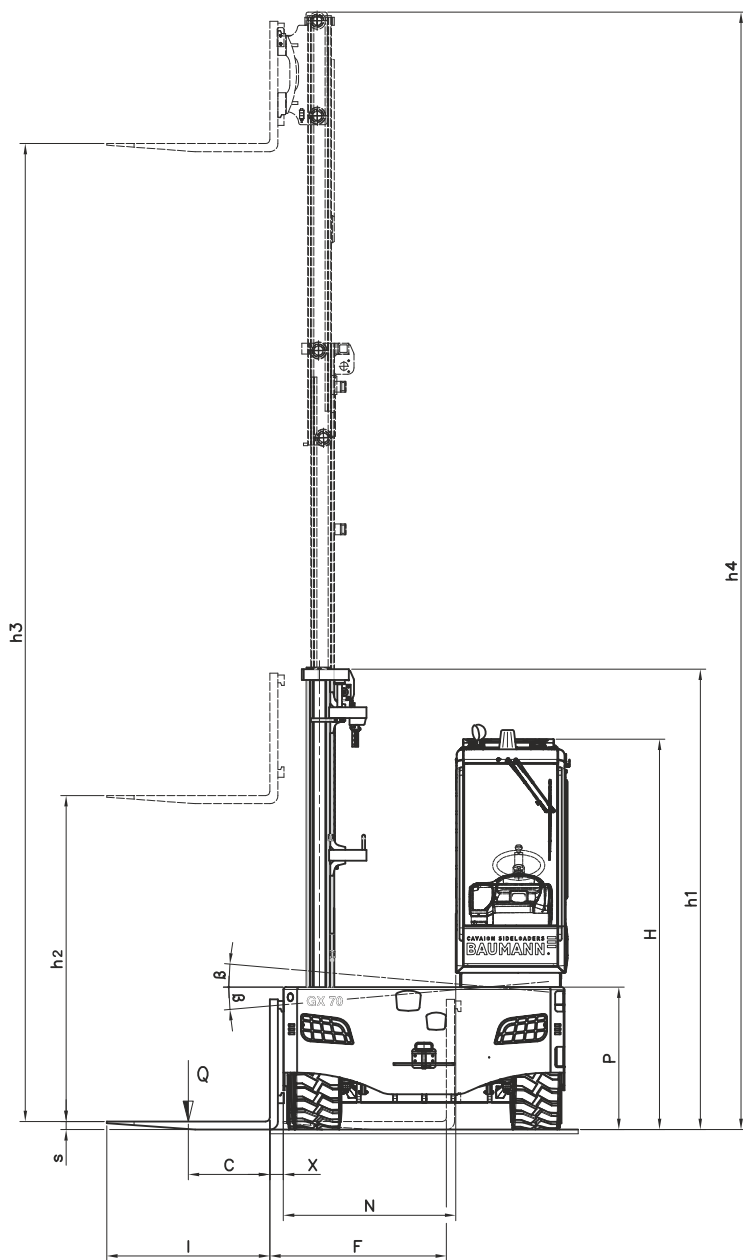


Hardwood timber bearers are often added to the deck for steel profile loads. Metal or wooden bearers may also be grooved to fix steel or plastic tubes in place.

TYPE			GX 50	GX 60	GX 70	GX 80 L
Technical Data						
Lifting capacity	Q	Kg	5000	6000	7000	8000
Load center	C	mm	600/700	600/700	600/700	600/700
Fork length	l	mm	1200/1400	1200/1400	1200/1400	1200/1400
Fork width	b	mm	200	200	200	200
Fork thickness	s	mm	50	50	60	60/65
Drive			Diesel	Diesel	Diesel	Diesel
Type of steering			Hydrostatic			
Type of tyres			Pneumatic tyres / SE			
Dimensions						
Total length	L	mm	5000	5000	5000	5000
Total width	B	mm	2000/2200	2000/2200	2070/2270	2100/2270
STD mast* height lowered	h1	mm	2990	2990	2990	3030
STD mast* height extended	h4	mm	5025	5025	5025	5090
Cabin height	H	mm	2850/2900	2850/2900	2850/2900	2850/2900
Lift height	h3	mm	4000	4000	4000	4000
Free lift	h2	mm	695	695	695	600
Chassis tilt angle (up/down)		°	1200±4.4 / 1400±3.6			
Platform height	P	mm	1050	1050	1050	1050
Platform width	N	mm	1200/1400	1200/1400	1200/1400	1200/1400
Lateral movement	F	mm	1300/1500	1300/1500	1300/1500	1300/1500
Load spacing max.	x	mm	100	100	100	100
Framework cut	E	mm	1600	1600	1600	1600
Fork spacing max	d	mm	1520	1520	1520	1520
Turning radius inner	R	mm	704	704	704	704
Turning radius outer	W	mm	1200=4660 / 1400=4780		1200=4760 / 1400=4880	
Aisle width	A	mm	1200=2495 / 1400=2680		1200=2565 / 1400=2750	
Aisle width for 90° Turning	G	mm	1200=4330 / 1400=4450		1200=4430 / 1400=4550	
Performance						
Travel with/without load		Km/h	24/24	24/24	24/24	22/22
Lifting with/without load		m/s	0.32/0.32	0.32/0.32	0.32/0.32	0.32/0.32
Lowering with/without load		m/s	0.4/0.3	0.4/0.3	0.4/0.3	0.4/0.3
Traverse with/without load		m/s	0.35	0.35	0.35	0.35
Tractive power		kN	36	36	36	42
Gradeability		%	16/ 18	16/ 18	16/ 18	16/18
Weights						
Weight of truck		Kg	10500	10800	11500	13000
Axle load front		Kg	9500	9500	10500	11400
Axle load rear		Kg	9500	10000	11000	11900
Chassis						
Tyres front/rear			2/2	2/2	2/2	2/2
Tyres size front/rear		Inches	300-15	300-15	355-65/15	355-65/15
Tyres outside diameter		mm	840	840	840	840
Wheel base	Y	mm	2980	2980	2980	2980
Track front	Sp1	mm	1200=1640 / 1400=1840			
Track rear	Sp2	mm	1200=1670 / 1400=1870			
Ground clearance		mm	220	220	220	220
Service brake	hydraulic		Front			
Parking brake	hydraulic		Drive Wheels			
Drive						
Diesel engine manufacturer			DEUTZ	DEUTZ	DEUTZ	DEUTZ
Type		KW	TCD 3.6 - 55/85kW Stage V	TCD 3.6 - 55/85kW Stage V	TCD 3.6 - 85kW Stage V	TCD 3.6 - 85kW Stage V
Power		PS	75/115	75/115	115	115
Speed		RPM	2000	2000	2000	2000
Cylinder / displacement		x/cm³	4/3600	4/3600	4/3600	4/3600
Transmission			Direct			
Gearbox			Hydrostatic			
Battery		V/Ah	14V 120Ah 1000 A	14V 120Ah 1000 A	14V 120Ah 1000 A	14V 120Ah 1000 A

*STD mast: 4000mm Duplex

GX 50 - 70					GX 80 L				
	Lift Height	Lowered	Extended	Free Lift		Lift Height	Lowered	Extended	Free Lift
	h3 mm	h1 mm	h4 mm	h2 mm		h3 mm	h1 mm	h4 mm	h2 mm
Duplex- Standard ST	3500	2740	4525	695	Duplex- Standard ST	3500	2780	4590	600
	4000	2990	5025	695		4000	3030	5090	600
	4500	3240	5525	695		4500	3280	5590	600
	5000	3490	6025	695		5000	3530	6090	600
	5500	3740	6525	695		5500	3880	6790	600
	6000	3990	7025	695		6000	4130	7290	600
Triplex- Free Lift TR	5700	2890	6725	1865	Triplex- Free Lift TR	5700	2930	6798	1850
	6000	2990	7025	1965		6000	3030	7080	1950
	6300	3090	7325	2065		6300	3230	7380	2050
	6600	3190	7625	2165		6600	3330	7680	2150
	6900	3290	7925	2265		6900	3430	7990	2250
	7200	3390	8225	2365		7200	3530	8290	2350
						7500	3630	8590	2450



What's New? The GX series features the next generation Deutz TCD 3.6 diesel engine re-designed chassis, refined ergonomic cabins, and joystick controllers, offering the highest levels of durability & control in the market. The Variable Reach System (VRS) delivers high precision & productivity via the award-winning, low-maintenance Archimedes outreach method.

CAVAION SIDeloadERS
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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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