

| Materials Handling Equipment For Long Loads

CAVAION SIDeloadERS
BAUMANN 

the art of working sideways

ELX SERIES

3 - 5 TONNES CAPACITY
120V Heavy Duty Electric

Efficient, intelligent & tough
Under four metres in length
Load-sensing
Highly manoeuvrable
Amazing work-cycles



X-PLUS
SERIES
Upgrades now as standard

Introducing The ELX Series: Designed From The Ground Up



Compact, lightweight, intelligent - the ELX is one of our biggest success stories. The goal was to produce a highly efficient and durable electric machine capable of efficiently working in small spaces.

Creating a smaller, lightweight chassis, involved designing a series of angled sections to provide stiffness and stability, without excess weight. A new steering axle was developed with extra weight added, providing a lower centre of gravity.



Maximum productivity



Over 8 hours continuous run time, panoramic cabin, load sensing, joystick control, full road-legal LED lighting and precise mast control makes this durable machine one of the most productive and energy-efficient ever made.

Zero emissions



Electrics offer zero emissions, are cheaper to run and maintain, as well as offering a better operator environment. Noise and cost savings will also benefit long-established companies that are under pressure to cut emissions and noise pollution by neighbours and legislators.

Extra reach capability



The reach capability (X-dimension) has been improved to 150mm, without changes to the truck dimensions. The added outreach provides operational benefits, with improved flexibility for loading and unloading, and use of a 1,200mm deck in circumstances that would otherwise require 1,400mm - improving storage capability.

Intelligent electronics



The huge saving in weight allows a larger, intelligent battery system, created specifically for Baumann in a bespoke arrangement. This in turn is supplemented by a new AC wiring schematic, featuring individual cables directly connected to each component to provide maximum efficiency.

Compact turning circle



The reduced length and improved turning circle have been achieved without sacrificing the mast or well width, clearance and low bed height.

Innovative hydraulics



The ELX utilises a bespoke steering axle and flow matching hydraulic system. Through closed-loop control, the hydraulic pressure is adjusted depending on the load, saving energy and improving efficiency.

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.



- Increased outreach distance
- Improved productivity
- Same great residual capacities
- Same load centres
- Improved load safety
- Road legal LED lights as standard

Tilting the deck, mast or forks



Tilting a mast back to secure the load is common practice on forklifts, 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. Occasionally, a tilting carriage can be added to the mast to provide an additional 5 degrees (plus or minus) of tilt.



Xtra Comfort With The New XL Cabin

COMFORT A wider cabin allows for a wider dashboard; the hydraulically mounted cabin is more comfortable and by being 20% longer, the operator legroom is also improved.



Now with two cab options: classic ELX and ELX XL

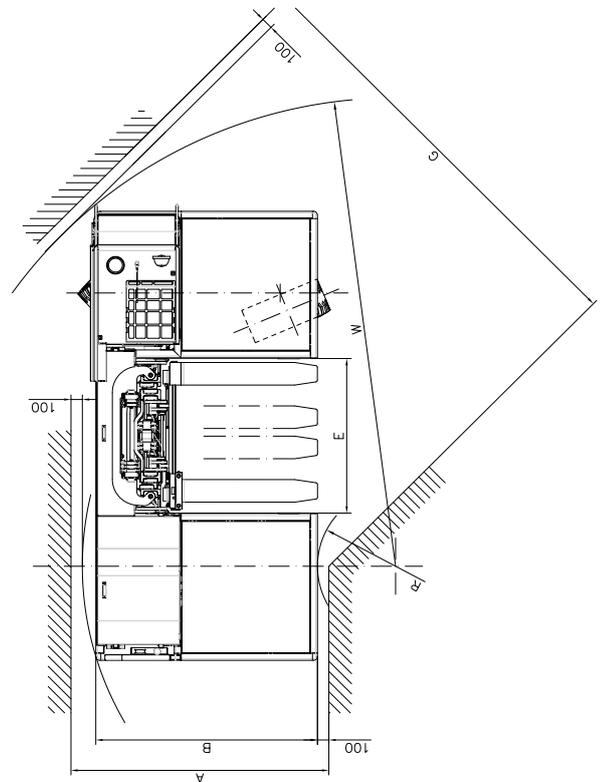
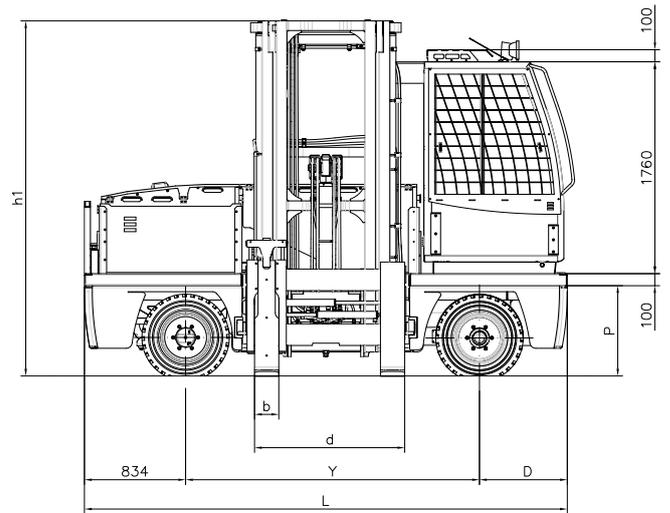
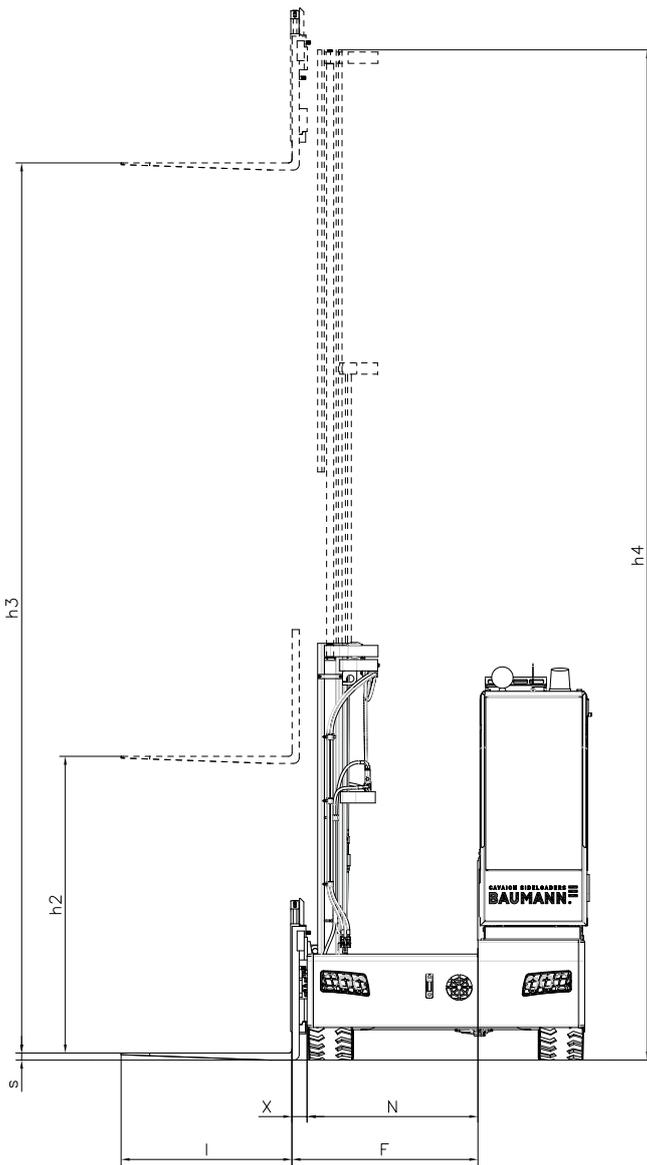
EXTRA STEPS The change has been achieved via a small modification to the front of the chassis. This modification has also allowed us to provide three additional steps for improved operator access to the cab.



TYPE			ELX 30	ELX 40	ELX 50
Technical Data					
Lifting capacity	Q	Kg	3000	4000	5000
Load center	C	mm	600/700	600/700	600/700
Fork length	l	mm	1200/1400	1200/1400	1200/1400
Fork width	b	mm	150	150	200
Fork thickness	s	mm	50	50	50
Drive			Electric	Electric	Electric
Type of steering			Hydrostatic	Hydrostatic	Hydrostatic
Type of tyres			Pneumatic	Pneumatic	Pneumatic
Dimensions					
Total length	L	mm	3980	3980	3980
Total width	B	mm	1950/2150	1950/2150	1950/2150
STD mast* height lowered	h1	mm	2850	2850	2850
STD mast* height extended	h4	mm	4880	4880	4880
Cabin height	H	mm	2610/2710	2610/2710	2610/2710
Lift height	h3	mm	4000	4000	4000
Free lift	h2	mm	600	600	600
Chassis tilt angle (up/down)		°	1200±4.36/1400±3.61	1200±4.36/1400±3.61	1200±4.36/1400±3.61
Platform height	P	mm	750	750	750
Platform width	N	mm	1200/1400	1200/1400	1200/1400
Lateral movement	F	mm	1300/1500	1300/1500	1300/1500
Load spacing max.	x	mm	150	150	150
Framework cut	E	mm	1370	1370	1370
Fork spacing max	d	mm	1300	1300	1300
Turning radius inner	R	mm	690	690	690
Turning radius outer	W	mm	4150/4280	4150/4280	4150/4280
Aisle width	A	mm	2270/2460	2270/2460	2270/2460
Aisle width for 90° Turning	G	mm	3840/3970	3840/3970	3840/3970
Performance					
Travel with/without load		Km/h	20/20	20/20	20/20
Lifting with/without load		m/s	0.32	0.32	0.32
Lowering with/without load		m/s	0.4/0.3	0.4/0.3	0.4/0.3
Traverse with/without load		m/s	0.35	0.35	0.35
Tractive power		kN	28	28	28
Gradeability		%	16\18	16\18	16\18
Weights					
Weight of truck		Kg	8000/8500	8700/9200	9000/9500
Axle load front		Kg	7000/7500	7500/8000	8000/8500
Axle load rear		Kg	7500/8000	8000/8500	8500/9000
Chassis					
Tyres front/rear			2/2	2/2	2/2
Tyres size		Inches	27 x 10-12	27 x 10-12	28X12.5-15/355/45-15 (SE)
Tyres outside diameter		mm	695	695	695
Wheel base	Y	mm	2420	2420	2420
Track front	Sp1	mm	1200=1615 / 1400=1815		1650/1850
Track rear	Sp2	mm	1200=1670 / 1400=1870		1680/1880
Ground clearance		mm	190	190	190
Service brake	hydraulic			Drive Axle	
Parking brake	hydraulic			Drive Axle	
Drive					
Battery Type	5PZ	120v	5PZ	5PZ	5PZ
Battery Capacity		A	525/625	525/625/700	625/700
Drive Motor	Number		1 x 20 kW - S1	1 x 20 kW - S1	1 x 20 kW - S1
Gear Changing	Switch	Type	Manual	Manual	Manual
Gear Levels	Fw/Rv		Direct	Direct	Direct
Controller	Mosfet	Inverter	Impulse	Impulse	Impulse
Lift Motor			20 kW S2 60min	20 kW S2 60min	20 kW S2 60min

*STD mast: 4000mm Duplex

ELX 30 - 50	Lift height	Lowered height	Extended height	Free lift
Duplex- Standard ST	h3 mm	h1 mm	h4 mm	h2 mm
	3300	2500	4180	600
	4000	2850	4880	600
	4500	3100	5380	600
	5000	3350	5880	600
	5500	3600	6380	600
Triplex- Free Lift TR	6000	3850	6880	600
	5700	2750	6580	1870
	6000	2850	6880	1970
	6300	2950	7180	2070
	6600	3050	7480	2170
	6900	3150	7780	2270
	7200	3250	8080	2370
	7500	3350	8380	2470



What's New? The ELX was launched following two years of painstaking research & features an intelligent battery system, redesigned chassis, new wiring schematic, bespoke steering axle & flow matching hydraulic system. The compact 120v AC powered machine is perfect for those looking for longer shift life, comfort & high levels of manoeuvrability. A new steering axle was developed with weight redistributed to provide a lower centre of gravity.



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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