

BAUMANN SIDeloadERS

THE ORIGINAL SIDeloader FROM CAVAION

For nearly 50 years BAUMANN has been synonymous with production of high quality, high specification sideloaders. Baumann Sideloaders offer the most effective way to handle a multitude of long or bulky products. 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 BAUMANN.



BAUMANN ELX 30-50

Compact and Efficient
Fast Changing Battery
120V – AC Technology



CAVAION SIDeloadERS
BAUMANN

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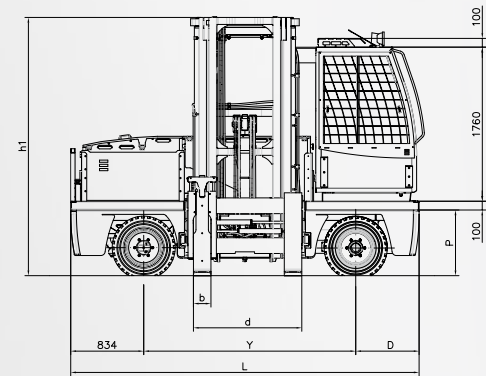
Type			ELX 30	ELX 40	ELX 50
Technical Data					
Lifting capacity	Q	Kg	3000	4000	5000
Load center	C	mm	600/700	600/700	600/700
Fork lenght	l	mm	1200/1400	1200/1400	1200/1400
Fork widht	b	mm	150	150	200
Fork thickness	s	mm	50	50	50
Drive			Electric	Electric	Electric
Type of steering			Hydrostatic		
Type of tyres			Pneumatic tyres		
Dimensions					
Total lenght	L	mm	3980	3980	3980
Total widht	B	mm	1950/2150	1950/2150	1950/2150
Overall height mast lowered	h1	mm	2850	2850	2850
Overall height mast extended	h4	mm	4880	4880	4880
Cabine height	H	mm	2610/2710	2610/2710	2610/2710
Lift height	h3	mm	4000	4000	4000
Free lift	h2	mm	600	600	600
Neigung auf/ab		°	1200±4.36/1400±3.61		
Platform height	P	mm	750	750	750
Platform widht	N	mm	1200/1400	1200/1400	1200/1400
Ausfahrweg seitlich	F	mm	1300/1500	1300/1500	1300/1500
Lastabstand max.	x	mm	100	100	100
Rahmeneinschnitt	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		
Aisle widht	A	mm	2270/2460		
Aisle widht for 90° Turning	G	mm	3840/3970		
Performance					
Travel with/without load		Km/h	20/20		
Lifting with/without load		m/s	0,32/0,32		
Lowering with/without load		m/s	0,4/0,3		
Traverse with/without load		m/s	0,35		
Tractive power		kN	28		
Gradeability		%	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 front/rear		Zoll	27x10-12"	27x10-12"	28x12,5-15"
Tyres outside diameter		mm	695	695	695
Wheel base	Y	mm	2420		
Track front	Sp1	mm	1200=1615/1400=1815		
Track rear	Sp2	mm	1200=1670/1400=1870		
Ground clearance		mm	190	190	190
Service brake	hydraulic		Drive axle		
Parking brake	hydraulic		Drive axle		
Drive					
Batterie typ	5 EPZS	Tension 120V	5MLM - 5EPZS		
Batterie capacity		A	525/625	525/625	625/700
Drive motor	Number		1 x 20 kW - S1	1 x 20 kW - S1	1 x 20 kW - S1
Gearchanging	Switch	Hand	Manual	Manual	Manual
Gear levels	Fw/Rv		Direct		
Controller	Mosfet	Inverter	Impulse	Impulse	Impulse
Lift motor			20 kW S2 60min	20 kW S2 60min	20 kW S2 60min

BAUMANN ELX 30-50

BAUMANN ELX 30- 50 This range combines all the existing advantages of Baumann trucks with some revolutionary improvements:

- 120 V system for increased battery longevity combined with drive performances comparable with I/C engine powered trucks;
- Fast and simply battery replacement system;
- The most compact Baumann truck ever with a very low deck height giving better flexibility and maneuverability

ELX 30 - 50	Lifting height h3 mm	Lowered mast height h1 mm	Extended mast height h4 mm	Free lift h2 mm
Duplex- Standard mast ST	3700	On demand		
	4000	2850	4880	600
	4500	3100	5380	600
	5000	3350	5880	600
	5500	3600	6380	600
	6000	3850	6880	600
Triplex-Full Free Lift Mast TR	6500	On demand		
	4500	2350	5380	1470
	5100	2550	5980	1670
	5400	2650	6280	1770
	5700	2750	6580	1870
	6000	2860	6880	1970
	6300	2950	7180	2070
	6600	3050	7480	2170
	6900	3150	7780	2270
	7200	3250	8080	2370
	7500	3350	8380	2470



Some details of the 120 V technology fitted on the new BAUMANN ELX

