

The EXL50 Series: Specification Data

V1.2 0731, 2025

CAVAION SIDeloaders
BAUMANN

TYPE			EXL 50	
Technical Data				
Lifting capacity	Q	Kg	5000	
Load center	C	mm	600	700
Fork length	I	mm	1200	1400
Fork width	b	mm	200	
Fork thickness	s	mm	50	
Drive			Electric	
Type of steering			Hydrostatic	
Type of tyres			Pneumatic	
Dimensions				
Total length	L	mm	4200	
Total width	B	mm	2000	2200
STD mast* height lowered	h1	mm	2850	
STD mast* height extended	h4	mm	4880	
Cabin height	H	mm	2630	
Lift height	h3	mm	4000	
Free lift	h2	mm	600	
Chassis tilt angle (up/down)		°	±3.4	±2.8
Platform height	P	mm	750	
Platform width	N	mm	1200	1400
Lateral movement	F	mm	1350	1550
Load spacing max.	x	mm	150	
Framework cut	E	mm	1370	
Fork spacing max	d	mm	1300	
Turning radius inner	R	mm	796	759
Turning radius outer	W	mm	4393	4495
Aisle width	A	mm	2230	2530
Aisle width for 90° Turning	G	mm	4047	4174
Performance				
Travel with/without load		Km/h	20/20	
Lifting with/without load		m/s	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	10000	10500
Axle load front		Kg	9000	9500
Axle load rear		Kg	9500	10000
Chassis				
Tyres front/rear			2/2	
Tyres size		Inches	28X12.5-15/355/45-15 (SE)	
Tyres outside diameter		mm	695	
Wheel base	Y	mm	2420	
Track front	Sp1	mm	1610	1810
Track rear	Sp2	mm	1610	1810
Ground clearance		mm	190	
Service brake	hydraulic		Front & Rear Axle	
Parking brake	hydraulic		Drive Wheels	
Drive				
Battery Type	5PZ	120v	5PZ	
Battery Capacity		Ah	525/625/700	
Drive Motor	Number		1 x 20 kW - S1	
Gear Changing	Switch	Type	Manual	
Gear Levels	Fw/Rv		Direct	
Controller	Mosfet	Inverter	Impulse	
Lift Motor			20 kW S2 60min	

EXL 50	Lift height	Lowered height	Extended height	Free lift
Duplex- Standard ST	h3 mm	h1 mm	h4 mm	h2 mm
	3500	2600	4380	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

