

ELECTRIC FORKLIFT			SPECIFICATION VDI 2198						
Characteristics	1	Manufacturer		BALKANCAR RECORD					
	2	Type				EP 35	EP 40	EP 50	
	3	Load capacity	Q		kg	3500	4000	5000	
	4	Load center	C	Load center to fork face	mm	500			
	5	Drive unit		Battery/diesel/LPG		Battery			
	6	Type of operation		Pedestrian/Rider seated/Stand-on		Rider seated			
	7	Tyres		L – pneumatic; SE – superelastic		L / L (SE / SE)			
	8	Wheels (x–driven)		Number, front/rear		2 x / 2			
Dimensions	9	Lift	h ₃	Lift height	mm	3000 ¹⁾			
	10		h ₂	Free lift	mm	95 ¹⁾		60 ¹⁾	
	11		h ₅	Extended free lift	mm	- ¹⁾			
	12	Fork carriage		According to DIN 15137		3 A		4 A	
	13	Fork dimensions	s / e / l	Thickness/width/length	mm	45x120x1150 ²⁾		60x130x1150 ²⁾	
	14	Tilt angle	α / β	Forward/backward	(°)	5 ⁰ ±1 ⁰ / 12 ⁰ ±1 ⁰			
	15	Overall dimensions	L ₂	Length	mm	2900		3210	
	16		B	Width	mm	1200	1300		
	17		h ₁	Height, mast lowered	mm	2100		2320	
	18		h ₄	Height, mast extended	mm	3585		3815	
	19		h ₆	Height of overhead guard	mm	2220		2260	
	20		h ₇	Height of seat	mm	1150			
	21	Turning radius	Wa	Outer radius	mm	2590		2950	
	22	Load distance	X	Front axle center to fork face	mm	498		555	
23	Aisle width	Ast ₄	For pallets 800x1200 For pallets 1000x1200	mm	4620 4820		4750 4950		
Performance	24	Speed		Travel with load/without load	km/h	11 / 12		9 / 10	
	25			Lifting with load/without load	m/s	0,23 / 0,28			
	26			Lowering with load/without load	m/s	0,4 / 0,5			
	27	Rated drawbar pull		With load S ₂ – 60 min	kN	2,9		3,3	
	28	Maximum drawbar pull		With load S ₂ – 5 min	kN	12		14	
	29	Climbing ability		With load/without load S ₂ – 30 min	%	4 / 5			
			With load/without load S ₂ – 5 min	%	6 / 8				
30	Maximum climbing ability		With load/without load S ₂ – 1 min	%	17 / 19		12 / 15		
Weight	31	Weight		Including battery acc. to ISO 5053 – 87	kg	5700	6000	6980	
	32	Axle load		With load front/rear	kg	7800/1400	8520/1480	10860/1160	
	33			Without load front/rear	kg	2500/3300	2600/3400	3200/3580	
Chassis	34	Tyres		Number, front/rear		2 / 2			
	35			Size, front		8,15 – 15 (28x9-15)	250-15		
	36			Size, rear		6,50 - 10			
	37	Wheelbase	Y		mm	1830		2060	
	38	Track width		Front/rear	mm	991 / 961	1050 / 961		
	39	Ground clearance	m ₁	Lowest point with load	mm	120		140	
	40		m ₂	Center of wheelbase with load	mm	170		218	
	41	Service brake		Mech./hydr./pneum./combined		Hydraulic			
	42	Parking brake		Hand/foot		Hand			
	Drive	43	Battery		Type		Panzer		
44				Voltage/rated capacity (after 5 hour of work)	V/Ah	80/400		80/440	
45				Weight	kg	1220		1250	
46		Electric motors		Drive motor performance at S ₂ – 60 min	kW	12			
47				Lift motor performance at S ₄ – 25%	kW	16,8			
48		Drive control		Type		Impulse regulator			
49	Transmission		Type		Mechanical				
50	Working pressure		For attachments	MPa	14				
51	Noise level		Average value at operator's ear	dB(A)	70...72				

1) For other lift heights refer to MAST table.

Size h₄ does not include a load backrest. When a backrest is fitted add + 680 mm.

2) Recommended fork dimensions

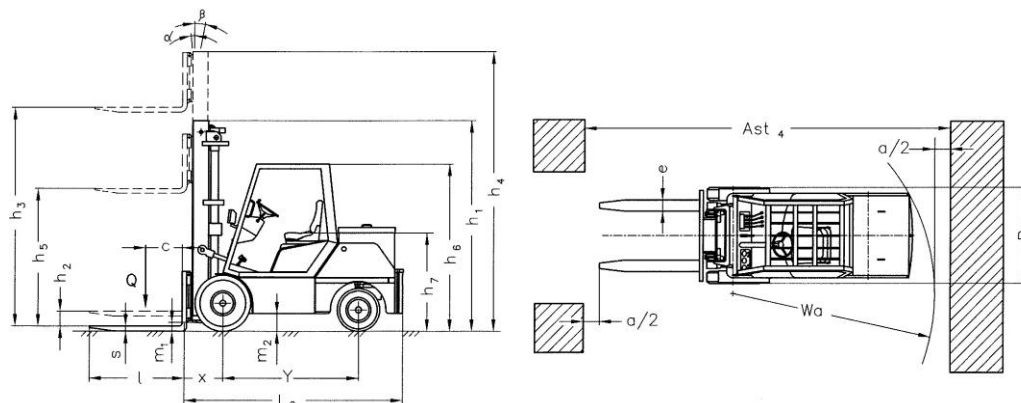
* Electric forklifts in accordance with BDS EN 1726-1

* Other variants of specifications, characteristics and batteries are possible.

* Dimensions and parameters as shown are for reference only. They have been obtained under laboratory testing conditions. They could vary in accordance with the operation mode and the corresponding variants.

* Balkancar Rekord JSC reserves the right to introduce changes to the specifications and products without notice.

* The pictures and illustrations do not include all variants produced, additional equipment and accessories.



MAST				
TYPE	LIFT HEIGHT h_3	HEIGHT, MAST LOWERED h_1	HEIGHT, MAST EXTENDED h_4	FREE LIFT h_2/h_5

SIMPLEX – 3,5/4,0 t ELECTRIC FORKLIFT
(Two masts, Free lift)

30 S	3000	2100	3585	95
40 S	4000	2590	4545	95
45 S	4500	2840	5045	95

DUPLEX – 3,5/4,0 t ELECTRIC FORKLIFT
(Two masts, Extended free lift)

30 D	3000	2100	3630	1500
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TRIPLEX – 3,5/4,0 t ELECTRIC FORKLIFT
(Three masts, Extended free lift)

42 T	4200	2100	4920	1400
45 T	4500	2240	5240	1500
48 T	4800	2340	5540	1600
52 T	5200	2490	5970	1740
56 T	5600	2590	6320	1850
64 T	6380	2840	7100	2130

SIMPLEX – 5,0 t ELECTRIC FORKLIFT
(Two masts, Free lift)

30 S	3000	2320	3815	60
40 S	4000	2820	4815	60
45 S	4500	3070	5315	60

DUPLEX – 5,0 t ELECTRIC FORKLIFT
(Two masts, Extended free lift)

30 D	3000	2290	3790	1500
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TRIPLEX – 5,0 t ELECTRIC FORKLIFT
(Three masts, Extended free lift)

42 T	4200	2140	4950	1400
45 T	4500	2240	5250	1500
48 T	4800	2340	5550	1600
52 T	5200	2490	5970	1740
56 T	5600	2640	6350	1850
64 T	6400	2890	7150	2130