

# RECORD 2S

# SPECIFICATION VDI 2198

		BALKANCAR RECORD									
Characteristics	1	Manufacturer									
	2	Type			DV1784.30.221S	DV1786.30.221S	DV1788.30.223S	DV1792.30.223S	DV1794.30.224S		
	3	Load capacity	Q	kg	2000	2500	3000	3500	4000		
	4	Load center	C	Load center to fork face	mm	500					
	5	Drive unit		Battery / diesel / LPG		Diesel					
	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		2x / 2					
Dimensions	9		$h_3$	Lift height	mm	3000 <sup>1)</sup>					
	10	Lift	$h_2$	Free lift	mm	120 <sup>1)</sup>		95 <sup>1)</sup>			
	11		$h_5$	Extended free lift	mm	– <sup>1)</sup>		– <sup>1)</sup>			
	12		Fork carriage		According to DIN 15137		2A		3A		
	13	Fork dimensions	s/e/l	Thickness / width / length	mm	40x80x1150 <sup>2)</sup>	40x100x1150 <sup>2)</sup>	45x120x1150 <sup>2)</sup>			
	14	Tilt angle	$\alpha/\beta$	Forward / backward	(°)	5°±1° / 12°±1°					
	15	Overall dimensions	$L_2$	Length	mm	2570	2630	2750	2800	2900	
	16		B	Width	mm	1200					
	17		$h_1$	Height, mast lowered	mm	2100 <sup>1)</sup>					
	18		$h_4$	Height, mast extended	mm	3545 <sup>1)</sup>		3585 <sup>1)</sup>			
	19		$h_6$	Height of overhead guard	mm	2220					
	20		$h_7$	Height of seat	mm	1120					
	21		Turning radius	Wa	Outer radius	mm	2310	2350	2470	2500	2590
22	Load distance	X	Front axle center to fork face	mm	468		498				
23	Aisle width	Ast <sub>4</sub>	For pallets 800x1200	mm	3835	3895	3960	3990	4620		
			For pallets 1000x1200	mm	4035	4095	4160	4190	4820		
Performance	24	Speed		Travel with load/without load	km/h	20/20					
	25			Lifting with load/without load	m/s	0,35/0,45			0,3/0,4		
	26			Lowering with load/without load	m/s	0,5/0,4					
	27	Rated drawbar pull		With load	kN	18		16		12	
28	Climbing ability		With load/without load	%	26/28	24/25	22/24	22/24	20/22		
Weight	29	Weight		Including battery acc. to ISO 5053–87	kg	3460	3740	4560	4730	5520	
	30	Axle load		With load front/rear	kg	4860/600	5520/720	6750/810	7330/900	8520/1000	
	31			Without load front/rear	kg	1600/1860	1600/2140	2090/2470	2030/2700	2600/2920	
Chassis	32			Number, front/rear		2 / 2					
	33	Tyres		Size, front		7,00-12		8,15-15		250-15	
	34			Size, rear		6,00-9		6,50-10			
	35	Wheelbase	Y		mm	1650		1760		1830	
	36	Track width		Front/rear	mm	964/961		991/961		1050/961	
	37	Ground clearance	$m_1$	Lowest point with load	mm	120					
	38		$m_2$	Center of wheelbase with load	mm	170					
	39	Service brake			Mech./hydr./pneum./combined		Hydraulic				
	40	Parking brake			Hand/foot		Hand				
	Drive	41	Battery		Type		Starter				
42				Voltage/rated capacity	V/Ah	12 / 88					
43				Weight	kg	22					
44				Manufacturer, type (diesel/LPG)		DEUTZ TD 2009 L04		DEUTZ D2011L04W			
45		Internal combustion engine		Engine performance to DIN 70020	kW	47,5		47,5			
46				Rated speed to DIN70020	min <sup>-1</sup>	3000		2600			
47				Number of cylinders/displacement	cm <sup>3</sup>	4/2300		4/3620			
48				Fuel consumption	l/h	3 (diesel)		4 (diesel)			
49			Transmission		Type, speeds (forward/backward)		Hydrodynamic 6860 S3, 1/1				
50		Clutch coupling			Type		Hydro transformer				
51	Working pressure			For attachments	MPa	14					
52	Noise level			Average value at operator's ear	dB(A)	85					

1) For other lift heights refer to MAST table.

Size  $h_4$  does not include a load backrest. When a backrest is fitted add + 680 mm.

2) Recommended fork dimensions

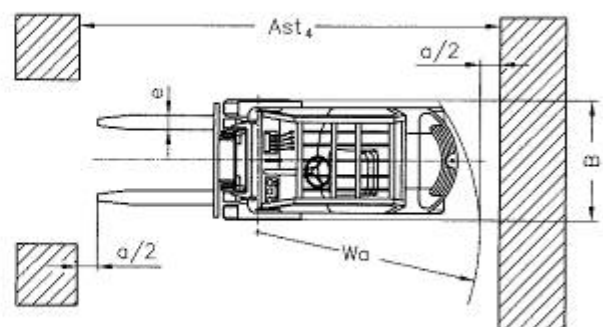
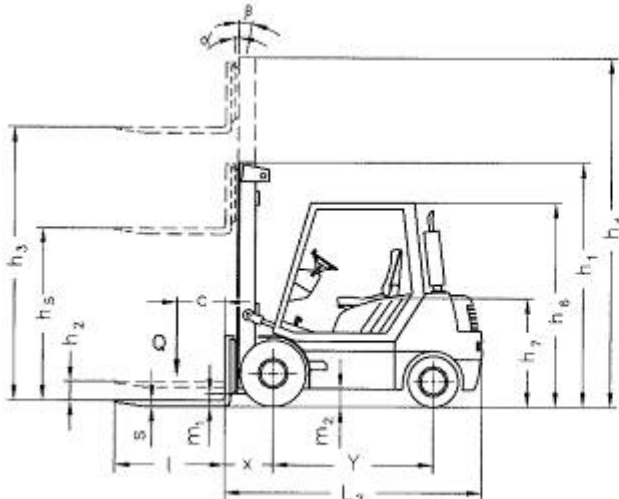
\* Forklifts in accordance with BDS EN 1726-1

\* Other variants of specifications and characteristics 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 – 2,0/2,5 t FORKLIFT**  
(Two masts, Free lift)

30 S	3000	2100	3545	120
40 S	4000	2590	4545	120
45 S	4500	2840	5045	120

**DUPLEX – 2,0/2,5 t FORKLIFT**  
(Two masts, Extended free lift)

30 D	3000	2100	3600	1500
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**TRIPLEX – 2,0/2,5 t FORKLIFT**  
(Three masts, Extended free lift)

42 T	4200	2100	4820	1360
45 T	4500	2240	5240	1500
48 T	4800	2310	5450	1570
52 T	5200	2440	5840	1700
56 T	5600	2590	6290	1850
64 T	6400	2840	7040	2100

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

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

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

30 D	3000	2100	3630	1500
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**TRIPLEX – 3,0/3,5/4,0 t 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	6400	2840	7100	2130