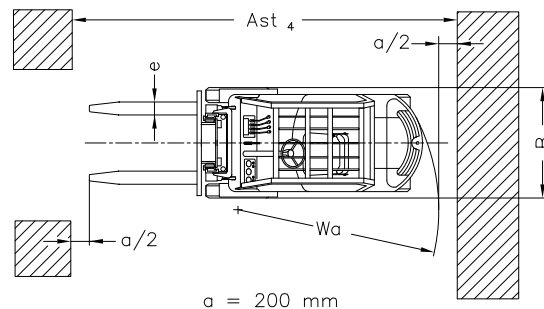
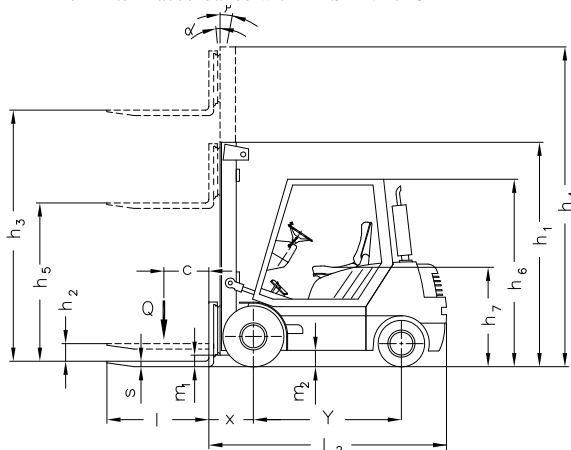


RECORD 2S

SPECIFICATION VDI 2198

1		BALKANCAR RECORD								
Characteristics	2	Type		DV1784.33.111S GV3784.33.111S ¹⁾	DV1786.33.111S GV3786.33.111S ¹⁾	DV1788.33.113S GV3788.33.113S ¹⁾	DV1792.33.113S GV3792.33.113S ¹⁾	DV1794.33.114S GV3794.33.114S ¹⁾		
	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/LPG				
	6	Type of operation	Pedestrian/Rider seated/Stand-on			Rider seated				
	7	Tyres	L – pneumatic; SE – superelastic, front/rear			L/L (SE/SE)				
	8	Wheels (x-driven)	Number, front/rear			2x / 2				4x / 2
	Dimensions	9	Lift	h ₃	Lift height	mm	3300 ²⁾			
10		h ₂		Free lift	mm	120 ²⁾		95 ²⁾		
11		h ₅		Extended free lift	mm	– ²⁾		– ²⁾		
12		Fork carriage	According to DIN 15137, class/type			2A		3A		
13		Fork dimensions	s/e/l	Thickness/width/length	mm	40x100x1150 ³⁾		45x125x1150 ³⁾		
14		Tilt angle	α/β	Forward/backward	(°)	5°±1°/12°±1°				
15		Overall dimensions	L ₂	Length	mm	2570	2630	2750	2800	2900
16			B	Width	mm	1190 max				1750 max
17			h ₁	Height, mast lowered	mm	2240 ²⁾				
18			h ₄	Height, mast extended	mm	3855 ²⁾		3975 ²⁾		
19			h ₆	Height of overhead guard	mm	2175				
20			h ₇	Height of seat	mm	1120				
21			Turning radius	Wa	Outer turning radius	mm	2310	2350	2470	2500
22	Load distance	X	Front axle center to fork face	mm	468		498			
23	Aisle width	Ast ₄	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	3700	4060	4700	5070	5570	
	30	Axle load	With load, front/rear	kg	5100/600	5780/770	6860/840	7680/900	8570/1000	
	31		Without load, front/rear	kg	1800/1900	1850/2210	2100/2600	2200/2870	2600/2970	
Chassis	32	Tyres	Number, front/rear			2 / 2				4 / 2
	33		Size, front			7,00-12		8,15-15		
	34		Size, rear			6,00-9		6,50-10		
	35	Wheelbase	Y	mm	1650		1760		1830	
	36	Track width		mm	964/961		991/961		1240/961	
	37	Ground clearance	m ₁	Beneath mast 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			Panzer				
	42		Voltage/rated capacity (5h)		V/Ah	12/135				
	43		Weight		kg	41				
	44	Internal combustion engine	Manufacturer, type (diesel/LPG)			VAMO D2500K/G2500K				
	45		Engine performance to DIN 70020		kW	52 (diesel)/48 (LPG)				
	46		Rated speed to DIN70020		min ⁻¹	2250				
	47		Number of cylinders/displacement		cm ³	4/3860				
	48		Fuel consumption		l/h	4 (diesel)/6,5 (LPG)				
	49	Transmission	Type, speeds (forward/backward)			Hydrodynamic 6860.6, 1/1				
	50	Clutch coupling	Type			Hydro transformer				
51	Operating pressure	For attachments		MPa	14					
52	Noise level	Average value at operator's ear		dB(A)	85					

- 1) Other combinations of engine and transmission are optional.
 - 2) For other lift heights refer to MAST table.
 - 3) Recommended fork dimensions
- * Forklifts in accordance with BDS EN 1726-2



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)

33 S	3300	2240	3855	120
40 S	4000	2590	4555	120
45 S	4500	2840	5045	120

DUPLEX – 2,0/2,5 t FORKLIFT

(Two masts, Extended free lift)

28 D	2800	2000	3400	1400
30 D	3000	2100	3600	1500

TRIPLEX – 2,0/2,5 t FORKLIFT

(Three masts, Extended free lift)

42 T	4200	2100	4820	1480
45 T	4600	2240	5240	1600
48 T	4800	2310	5450	1660
52 T	5200	2440	5840	1800
56 T	5600	2590	6290	1940
64 T	6380	2840	7040	2200

SIMPLEX – 3,0/3,5/4,0 t FORKLIFT

(Two masts, Free lift)

33 S	3300	2240	3975	95
40 S	4000	2590	4695	75
45 S	4500	2840	5175	95

DUPLEX – 3,0/3,5/4,0 t FORKLIFT

(Two masts, Extended free lift)

28 D	2800	2000	3520	1400
30 D	3000	2100	3720	1500

TRIPLEX – 3,0/3,5/4,0 t FORKLIFT

(Three masts, Extended free lift)

42 T	4200	2100	4900	1400
45 T	4500	2250	5240	1520
48 T	4800	2400	5700	1520
52 T	5200	2500	5970	1740
56 T	5600	2600	6330	1880
64 T	6380	2840	7080	2140