



Technical specifications
for forklift trucks, series VRE

				VRE 1.6	VRE 2.0	VRE 2.5		
General information	1							
	3	Load capacity	<i>Q</i>	Rated load	<i>t</i>	1.6	2.0	2.5
	4	Load centre	<i>c</i>	from Fork face	<i>mm</i>	500		
	5	Power unit		electrical; diesel; LPG		Accum. battery		
	6	Driver position		Walking, standing, sitting		sitting		
	7	Tyres		Front/rear (V-solid; L-pneumatic)		L/L or V/V		
	8	Wheels (x-driven)		Number front/rear	<i>pcs.</i>	2x/2		
	Basic Dimensions	9	Two-stage mast lifts	<i>h3</i>	Max lift height	<i>mm</i>	2200 - 5200	
10		<i>h2</i>		Nominal free lift	<i>mm</i>	50	70	
11		<i>h5</i>		Full-free lift	<i>mm</i>	-		
12		Fork carriage		According DIN 15173 A/B/none		2A		
13		Fork dimensions		<i>s / e / l</i>	<i>mm</i>	40/100/950	40/125/950	50/125/950
14		Tilt		α -forward / β -back	<i>deg</i>	4°30' / 9°		
15		Overall dimensions	<i>L2</i>	Length to fork face	<i>mm</i>	2100	2220	2310
16			<i>B</i>	Width	<i>mm</i>	1040		1140
17			<i>h1</i>	Height, mast lowered	<i>mm</i>	2180	2200	
18			<i>h4</i>	Height, mast lowered	<i>mm</i>	3805	3815	
19			<i>h6</i>	Height, mast extended	<i>mm</i>	2130		
			<i>h7</i>	Height, Overhead guard	<i>mm</i>	1100		
21	Turning radius	<i>Wa</i>	Outside	<i>mm</i>	1875	1980	2040	
22	Load distance	<i>x</i>	from Front axle to Fork face	<i>mm</i>	374	426		
23	Aisle width	<i>Ast</i>	for 800/1200, 1000/1200 pallets	<i>mm</i>	3450	3820	3890	

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Performance	24	Speeds	Travelling	loaded/unloaded	km/h	10 / 11		11 / 12
	25		Lowering	loaded/unloaded	m/s	0.60 max; 0.20 min		
	26		Lifting	loaded/unloaded	m/s	0.24 / 0.30		
	27	Drawbar force, <i>rated</i>	S ₂ =60 min	loaded/unloaded	kN	1.2/0.9	1.4/1.0	1.5/1.2
	28	Drawbar force, <i>max.</i>	S ₂ =5 min	loaded/unloaded	kN	4.2/4.0	4.6/4.2	5.2/4.8
	29	Gradeability	S ₂ = 30 min	loaded/unloaded	%	4 / 6		
	30	Maximal gradeability	S ₂ = 5 min	loaded/unloaded	%	9 / 15	10 / 14	8 / 12
Weights	32	Own weight		incl. battery	kg	2910	3320	3640
	33	Axle load	loaded	front / rear	kg	3785 / 725	4720 / 600	5590 / 510
	34		unloaded	front / rear	kg	1140/1770	1520/1800	1640/2000
Chassis	35	Tyres	Quantity	front / rear	pcs.	2 / 2		
	36		Dimensions	front	"(mm)	21x8-9		23x9-10
	37			rear	"(mm)	16x6-8		18x7-8
	38	Wheelbase	<i>y</i>		mm	1365	1485	1565
	39	Track		front / rear	mm	830 / 900		960 / 900
	40	Clearing	<i>m1</i>	at lowest point of the Chassis	mm	100		
	41		<i>m2</i>	in the middle of the Chassis	mm	115		
Drive train	49	Battery	Type			Traction (Tubular)		
	50		Tension/Capacity (5-h discharge)	V/Ah	48 / 480	48 / 600		
	51	Electric motors	Traction, power (S ₂ =60 min)	kW	7.5		9.0	
	52		Lifting, power (S ₄ =15%)	kW	10			
	53	Operation control		Type		infinitely-variable		
	55	Transmission		Type		Differential gear		
57	Hydraulic pressure		for attachments	bar	120			
58	Noise level		At driver's seat	dB	68 ÷ 70			