

Dimension	8	Max.lifting height		mm	3000	4000	3000	4000	
	9	Free lift		mm	105		110		
	10	Fork size	L × W × T	mm	920 × 100 × 35		920 × 100 × 38		
	11	Tilt angle	Mast forward/Backward	deg	3°/5°				
	12	Total length(without fork)		mm	1710	1890	1895	1895	
	13	Total width		mm	1090				
	14	Mast height		mm	1995	2495	1995	2495	
	15	Overall height(fork raised)		mm	3925	4925	3925	4925	
	16	Height of head guard		mm	2260				
	17	Turning raduis(outside)		mm	1580	1760			
	18	Distance from front wheel center to forks face		mm	165		170		
	19	Right angle stacking aisle		mm	2470	2540	2550		
	20	Reach distance (mast)		mm	560	705			
Performance	21	Max.travelling speed fw/bw	full load	km/h	10.5		10.5		
			no load	km/h	11				
	22	Lifting speed	full load	mm/s	270		250		
			no load	mm/s	510		510		
	23	Lowering speed	full load	mm/s	450				
no load			mm/s	550					
24	Gradeability(full load)		%	10					
Weight	25	Truck weight(without battery)		kg	1735	1725	1825	1905	
	26	Weight distribution (with standard battery)	full load	front axle	kg	2350	2150	2465	2510
				rear axle	kg	1375	1565	1650	1685
			no load	front axle	kg	710	670	690	730
rear axle				kg	1515	1545	1625	1665	
Chassis & Wheels	27	Tires	number	front/rear	2/1X+2(X=driven)				
			size	front, load	mm	φ 254 × 120			
				rear, drive	mm	φ 330 × 145			
				rear, steering	mm	φ 178 × 73			
	28	Wheelbase		mm	1345	1525	1525	1525	
	29	Tread	front/rear	mm	970/635				
	30	Ground clearance	at lowest point	mm	75				
mast			mm	75					
31	Brake	service brake		Mechanical					
		parking brake		Mechanical					
Drive line	32	Battery(standard)	voltage/capacity	V/AH	48v/280				
	33	Battery weight(standard)		kg	490				
	34	Electric motors	Drive motor	kw/60min	4.6				
			Hydraulic motor	kw/5min	8.2				
			Steering motor	kw/60min	0.3				
	35	Control type	Drive motor		AC converter				
Hydraulic motor				Dc chopper					
Steering motor				Dc chopper					
36	Operating pressure		kg/cm <sup>2</sup>	140		160			

Model		FRB15	FRB18	FRHB15	FRHB18
B Overall height fork raised(with backrest)	mm	3925	3925	4925	4925
C Max.lifting height	mm	3000	3000	4000	4000
D Overall height(fork lowering)	mm	1995	1995	2495	2495
E Height of backrest	mm	900	900	900	900
F Free lift	mm	105	110	105	110
G Fork thickness	mm	35	38	35	38
H Length	mm	2070	2110	2105	2110
I Fork length	mm	920	920	920	920
J Front overhang	mm	130	130	130	130
K Wheelbase	mm	1345	1525	1525	1525
L Rear overhang	mm	200	200	200	200
M Ground clearance(truck body)	mm	75	75	75	75
N Height of head guard	mm	2260	2260	2260	2260
O Height from head guard to pedal	mm	1910	1910	1910	1910
P Height of pedal	mm	310	310	310	310
Q Reach distance(mast)	mm	560	705	705	705
R Width	mm	1090	1090	1090	1090
S Tread (front)	mm	970	970	970	970
T Fork spread(outside)	mm	250-720	250-720	250-720	250-720
U Fork width	mm	100	100	100	100
V Tread (rear)	mm	635	635	635	635
W Turning raduis(outside)	mm	1580	1760	1760	1760
X Mast bracket width	mm	1080	1080	1080	1080

#### Wide view mast VM

Mast model	Max.lift height	Mast height		Load capacity			
		fork lift	fork lowered	FRB15	FRB18	FRHB15	FRHB18
	mm	mm	mm	kg	kg	kg	kg
VM270	2700	3625	1845	1500	1800	-	-
VM300	3000	3925	1995	1500	1800	-	-
VM330	3300	4225	2145	1500	1800	-	-
VM350	3500	4425	2245	1500	1800	-	-
VM370	3700	4625	2345	1500	1800	-	-
VM400	4000	4925	2495	1400	1700	1500	1800
VM425	4250	5175	2670	1350	1650	1500	1800
VM450	4500	5425	2795	1350	1600	1500	1700
VM475	4750	5675	2920	1200	1500	1500	1600
VM500	5000	5925	3045	1200	1450	1300	1500

#### 3 stage free lift mast VFHM

Mast model	Max.lift height	Mast height		Load capacity	
		fork lift	fork lowered	FRHB15	FRHB18
	mm	mm	mm	kg	kg
VFHM400	4000	4925	1870	1500	1800
VFHM435	4350	5275	1995	1500	1700
VFHM480	4800	5725	2145	1400	1600
VFHM500	5000	5925	2245	1400	1500
VFHM550	5500	6425	2410	1200	1300
VFHM600	6000	6925	2595	650	700