Technical sheet :

## ME 320 LIFT

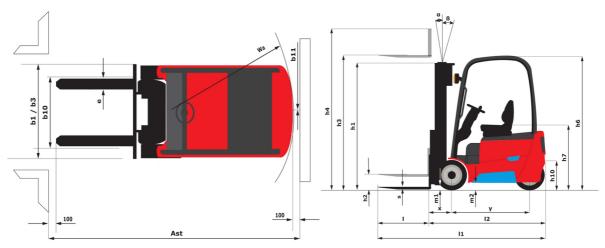




Manitou ME 320 LIFT Electrical - Lithium Seated 2000 kg 500 mm 364.50 mm 1407 mm FVD 30 3200 kg 4580 kg / 620 kg 1365 kg / 1835 kg Solid tires 200/50-10 15x4,5-8 2 / 1 2 932 mm 178 mm 2158 mm 1120 mm 525 mm 2907 mm 1987 mm 1153 mm 40 mm x 100 mm 2A 1000 mm 100 mm 110 mm 3316 mm 3440 mm 1625 mm 15 km/h-15 km/h 0.40 m/s-0.55 m/s 0.47 m/s-0.42 m/s 3050 daN / 3700 daN 13 % / 15 % Hydraulic 2.50 kW 11 kW Lithium 76.80 V / 304 Ah 300 kg 4.60 kWh/h 210 bar 30 l/min 70 dB

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	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	С	
1.8	Load distance, centre of drive axle to fork	x	
1.9	Wheelbase	у	
	Standard mast reference of the machine		
	Weight		
2.1	Service weight		
2.2	Weight on front axle (laden) / rear axle (laden)		
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		
	Wheels		
3.1	Tires type		
3.2	Dimensions of front wheels		
3.3	Dimensions of rear wheels		
3.5	Number of front wheels / rear wheels		
3.5.2	Number of drive wheels		
3.6	Front wheel gauge	b10	
3.7	Rear wheel gauge	b11	
	Dimensions	5.1	
4.7	Height of overhead guard (cabin)	h6	
4.8	Seat height/stand height	h7	
4.12	Height of towing bar (coupling height)	h10	
4.19	Overall length	11	
4.20	Length to face of forks	12	
4.21	Overall width	b1	
4.22.1	Forks width / length	e/l	
4.23	Fork carriage ISO 2328 (class/form) A/B	671	
4.24	Fork carriage width	b3	
4.31	Ground clearance below mast	m1	
4.32	Ground clearance at centre of wheelbase	m2	
4.32	Aisle Width for pallets 1000 x 1200 crossways	Ast	
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	
4.34	Tuming radius	Wa	
4.33	Performances	Wa	
5.1	Travel speed (laden / unladen)		
5.2	Lifting speed (laden / unladen)		
5.3	Lowering speed (laden / unladen)		
5.5	Drawbar pull (Laden / Unladen)		
5.7	Gradeability (laden / unladen)		
5.10	Service brake		
5.10	Engine		
6.1			
6.1 6.2	Drive motor rating S2 60 min Lift motor rating at S3 15%		
6.3	Battery according to DIN 43531/35/36 A, B, C		
6.4			
6.5	Battery voltage / capacity		
	Battery weight (+/- 5%)		
6.6	Energy consumption according to VDI cycle (kWh/h)		
0.2	Miscellaneous Working hydraulic procesus for attachments		
8.2	Working hydraulic pressure for attachments Oil flow rate for attachments		
8.3			
8.4	Sound level at the driver's ear according to DIN 12 053		

## ME 320 LIFT - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	۰	7	7	7	7
$\beta$ - Mast/fork carriage tilt, backward	٥	6	6	6	6
h1 - Mast lowered height	mm	1988	2138	2588	2838
h2 - Mast free lift	mm	140	140	140	140
h3 - Mast lifting height	mm	3000	3300	4000	4500
h4 - Mast extended height	mm	3560	3860	4560	5060
Residual capacity at max height	kg	2000	2000	2000	1900
Residual capacity with integrated side shift at max heigth	kg	1950	1950	1950	1850

Free Lift Triplex (FLT)		FLT 40	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
a - Mast/fork carriage tilt, forward	۰	3.50	3.50	3.50	3.50	3.50	3.50	3.50
β - Mast/fork carriage tilt, backward °		5	5	5	5	5	5	5
h1 - Mast lowered height	mm	1888	2038	2138	2213	2388	2588	2788
h2 - Mast free lift	mm	1292	1392	1492	1592	1792	1992	2192
h3 - Mast lifting height	mm	4000	4500	4800	5000	5500	6000	6500
h4 - Mast extended height	mm	4552	5052	5352	5552	6052	6552	7052
Residual capacity at max height	kg	2000	1800	1700	1600	1500	1300	1100
Residual capacity with integrated side shift at max heigth	kg	1950	1750	1650	1550	1450	1250	1050



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