Technical sheet:

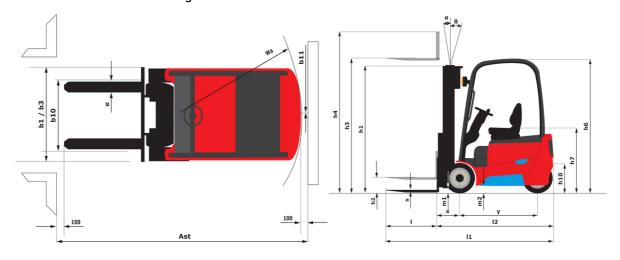
ME 320 LIFT





Technical characteristics		Metric
Manufacturer		Manitou
Model Name		ME 320 LIFT
Power source		Electrical - Lithium
Operator type		Seated
Max. capacity	Q	2000 kg
Load center of gravity	С	500 mm
Load distance, centre of drive axle to fork	х	364.50 mm
Wheelbase	у	1407 mm
Standard mast reference of the machine		FVD 30
Weight		
Service weight		3200 kg
Weight on front axle (laden) / rear axle (laden)		4580 kg / 620 kg
Weight on front axle (Unladen) / rear axle (Unladen)		1365 kg / 1835 kg
Wheels		and any and any
Tires type		Solid tires
Dimensions of front wheels		200/50-10
Dimensions of rear wheels		15x4,5-8
Number of front wheels / rear wheels		2 / 1
Number of drive wheels		2
Front wheel gauge	b10	932 mm
Rear wheel gauge	b11	178 mm
Dimensions	DIT	176 11111
Height of overhead guard (cabin)	h6	2158 mm
Seat height/stand height	h7	1120 mm
Height of towing bar (coupling height)	h10	525 mm
Overall length	I1	2907 mm
Length to face of forks	12	1987 mm
Overall width	b1	1153 mm
Forks width / length	e / I	40 mm x 100 mm
Fork carriage ISO 2328 (class/form) A/B	6/1	2A
Fork carriage width	b3	1000 mm
Ground clearance below mast	m1	100 mm
Ground clearance below mass	m2	110 mm
	Ast	3316 mm
Aisle Width for pallets 1000 x 1200 crossways Aisle width for 800 x 1200 pallet lengthways	Ast	3440 mm
	Wa	1625 mm
Tuming radius Performances	VVd	1023 111111
Travel speed (laden / unladen)		15 km/h-15 km/h
		0.40 m/s-0.55 m/s
Lifting speed (laden / unladen)		
Lowering speed (laden / unladen)		0.47 m/s-0.42 m/s 3050 daN / 3700 daN
Drawbar pull (Laden / Unladen)		
Gradeability (laden / unladen)		13 % / 15 %
Service brake		Hydraulic
Engine		0.50 PM
Drive motor rating S2 60 min		2.50 kW
Lift motor rating at S3 15%		11 kW
Battery according to DIN 43531/35/36 A, B, C		Lithium
Battery voltage / capacity		76.80 V / 304 Ah
Battery weight (+/- 5%)		300 kg
Energy consumption according to VDI cycle (kWh/h)		4.60 kWh/h
Miscellaneous		
Working hydraulic pressure for attachments		210 bar
Oil flow rate for attachments		30 l/min
Sound level at the driver's ear according to DIN 12 053		70 dB

ME 320 LIFT - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
α - Mast/fork carriage tilt, forward	۰
β - Mast/fork carriage tilt, backward	۰
h1 - Mast lowered height	mm
h2 - Mast free lift	mm
h3 - Mast lifting height	mm
h4 - Mast extended height	mm
Residual capacity at max height	kg
Residual capacity with integrated side shift at max heigth	kg

FVD 30	FVD 33	FVD 40	FVD 45	
7	7	7	7	
6	6	6	6	
1988	2138	2588	2838	
140	140	140	140	
3000	3300	4000	4500	
3560	3860	4560	5060	
2000	2000	2000	1900	
1950	1950	1950	1850	

Free Lift Triplex (FLT)		FLT 40	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - 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	۰	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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