Technical sheet:

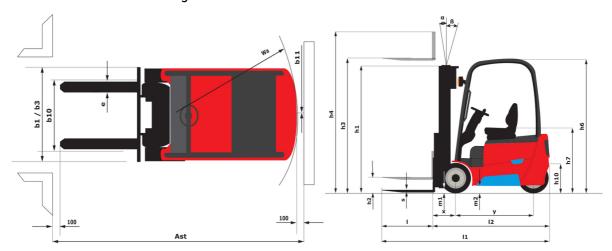
ME 320 LIFT





		ME 320 LIFT Cleateu (JII NOVEITIDEL 1, 2023 at 12.30 AIVI O
	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 320 LIFT
1.3	Power source		Electrical - Lithium
1.4	Operator type		Seated
1.5	Max. capacity	Q	2000 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	х	364.50 mm
1.9	Wheelbase	у	1407 mm
	Standard mast reference of the machine		FVD 30
	Weight		
2.1	Service weight		3200 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4580 kg / 620 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1365 kg / 1835 kg
	Wheels		3 3
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		200/50-10
3.3	Dimensions of rear wheels		15x4,5-8
3.5	Number of front wheels / rear wheels		2 / 1
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	932 mm
3.7	Rear wheel gauge	b11	178 mm
0.7	Dimensions	5	7,5 1
4.7	Height of overhead guard (cabin)	h6	2158 mm
4.8	Seat height/stand height	h7	1120 mm
4.12	Height of towing bar (coupling height)	h10	525 mm
4.19	Overall length	I1	2907 mm
4.20	Length to face of forks	12	1987 mm
4.21	Overall width	b1	1153 mm
4.22.1	Forks width / length	e / I	40 mm x 100 mm
4.23	Fork carriage ISO 2328 (class/form) A/B	٠,.	2A
4.24	Fork carriage width	b3	1000 mm
4.31	Ground clearance below mast	m1	100 mm
4.32	Ground clearance at centre of wheelbase	m2	110 mm
1.00			.020
5.1			15 km/h-15 km/h
	- ' '		
3.10			Tiyaladiic
6.1	•		2 50 kW
0.0			4.0U KWN/N
0.0			210 hor
8.4	Sound level at the drivers ear according to DIN 12 053		\n qB
4.33 4.34 4.35 5.1 5.2 5.3 5.5 5.7 5.10 6.1 6.2 6.3 6.4 6.5 6.6	Aisle Width for pallets 1000 x 1200 crossways Aisle width for 800 x 1200 pallet lengthways Tuming radius Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Lowering speed (laden / unladen) Drawbar pull (Laden / Unladen) Gradeability (laden / unladen) Service brake Engine Drive motor rating S2 60 min Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%) Energy consumption according to VDI cycle (kWh/h) Miscellaneous Working hydraulic pressure for attachments Oil flow rate for attachments Sound level at the driver's ear according to DIN 12 053	Ast Ast Wa	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

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 °		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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