Technical sheet :

ME 316 LIFT





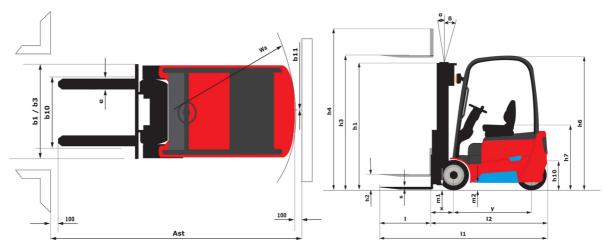
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	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	С	
1.8	Load distance, centre of drive axle to fork	x	
1.9	Wheelbase	у	
	Standard mast reference 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		
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	
.22.1	Forks width / length	e / l	
4.23	Fork carriage ISO 2328 (class/form) A/B	•,•	
4.24	Fork carriage width	b3	
4.31	Ground clearance below mast	m1	
4.32	Ground clearance at centre of wheelbase	m2	
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	
1.34	Aisle width for 800 x 1200 pallet lengthways	Ast	
4.35	Tuming radius	Wa	
	Performances		
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		
	Engine		
6.1	Drive motor rating S2 60 min		
6.2	Lift motor rating at S3 15%		
6.3	Battery according to DIN 43531/35/36 A, B, C		
6.4	Battery voltage / capacity		
6.5	Battery weight (+/- 5%)		
6.6	Energy consumption according to VDI cycle (kWh/h)		
0.0	Miscellaneous		
8.2	Working hydraulic pressure for attachments		
8.3	Oil flow rate for attachments		
8.4	Sound level at the driver's ear according to DIN 12 053		
0.4	Sound level at the universited according to Dily 12 053		

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Manitou

	Walltou
	ME 316 LIFT
	Electrical - Lithium
	Seated
Q	1600 kg
ч с	500 mm
х	359.50 mm
у	1277 mm
	FVD 30
	2940 kg
	3950 kg / 590 kg
	1340 kg / 1600 kg
	Solid tires
	18x7-8
	15x4,5-8
	2/1
	2
b10	914 mm
b11	178 mm
טוו	178 11111
h.C	0147 mm
h6	2147 mm
h7	1120 mm
h10	525 mm
11	2776 mm
12	1856 mm
b1	1086 mm
e / I	35 mm x 100 mm
	2A
b3	1000 mm
m1	100 mm
m2	110 mm
Ast	3156 mm
Ast	3280 mm
Wa	1470 mm
	16 km/h-16 km/h
	0.45 m/s-0.60 m/s
	0.46 m/s-0.44 m/s
	3300 daN / 3900 daN
	16 % / 18 %
	Hydraulic
	2.50 kW
	11 kW
	Lithium
	76.80 V / 230 Ah
	185 kg
	3.80 kWh/h
	185 bar
	30 l/min
	70 dB

ME 316 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
β - Mast/fork carriage tilt, backward	۰	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	1600	1600	1600	1500
Residual capacity with integrated side shift at max heigth	kg	1550	1550	1550	1450

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	1582	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	1600	1500	1450	1400	1250	1100	900
Residual capacity with integrated side shift at max heigth	kg	1550	1450	1400	1350	1200	1050	850



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