Technical sheet:

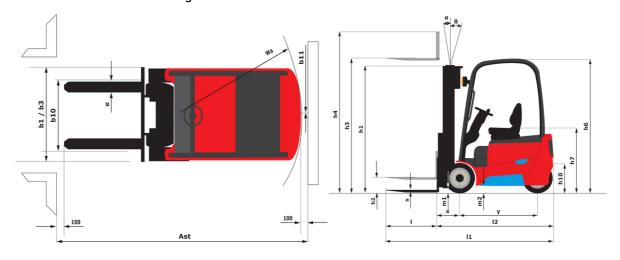
ME 316 LIFT





Technical characteristics Metric 1.1 Manufacturer Manitou 1.2 Model Name ME 316 LIF 1.3 Power source Electrical - Lit 1.4 Operator type Seated 1.5 Max. capacity Q 1600 kg 1.6 Load center of gravity c 500 mm 1.8 Load distance, centre of drive axle to fork x 359.50 mm 1.9 Wheelbase y 1277 mm	nium 1
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Standard mast reference of the machine	
Weight	
2.1 Service weight 2940 kg	
2.2 Weight on front axle (laden) / rear axle (laden) 3950 kg / 590	
2.3 Weight on front axle (Unladen) / rear axle (Unladen) 1340 kg / 160	JKU
Wheels	
3.1 Tires type Solid tires	
3.2 Dimensions of front wheels 18x7-8	
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 914 mm	
3.7 Rear wheel gauge b11 178 mm	
Dimensions	
4.7 Height of overhead guard (cabin) h6 2147 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 II 2776 mm	
4.20 Length to face of forks 12 1856 mm	
4.21 Overall width b1 1086 mm	
4.22.1 Forks width / length e / l 35 mm x 100	mm
4.23 Fork carriage ISO 2328 (class/form) A/B 2A	11111
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	
4.33 Aisle Width for pallets 1000 x 1200 crossways Ast 3156 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 3280 mm	
, . ,	
4.35 Tuming radius Wa 1470 mm Performances	
5.1 Travel speed (laden / unladen) 16 km/h-16 k	m/h
5.3 Lowering speed (laden / unladen) 0.46 m/s-0.44	
5.5 Drawbar pull (Laden / Unladen) 3300 daN / 390 5.7 Credephility (Joden / Unladen) 16 % / 10 9	
5.7 Gradeability (laden / unladen) 16 % / 18 °	,
5.10 Service brake Hydraulic	
Engine C1 Discount C2 C0 min	
6.1 Drive motor rating \$2.60 min 2.50 kW	
6.2 Lift motor rating at \$3 15% 11 kW	
6.3 Battery according to DIN 43531/35/36 A, B, C Lithium	
6.4 Battery voltage / capacity 76.80 V / 230	АП
6.5 Battery weight (+/- 5%) 185 kg	
6.6 Energy consumption according to VDI cycle (kWh/h) 3.80 kWh/	ſ
Miscellaneous	
8.2 Working hydraulic pressure for attachments 185 bar	
8.3 Oil flow rate for attachments 30 l/min	
8.4 Sound level at the driver's ear according to DIN 12 053 70 dB	

ME 316 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
1600	1600	1600	1500
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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