Technical sheet:

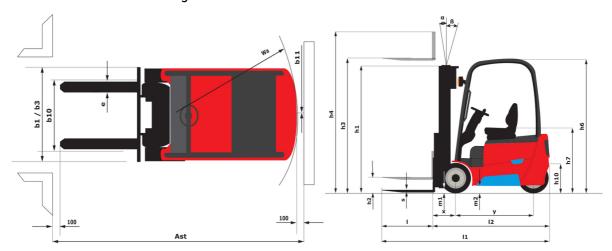
ME 316 LIFT





	ME 316 LIFT Cleated	on December 15, 2025 at 6:01 PM 010
Technical characteristics		Metric
Manufacturer		Manitou
Model Name		ME 316 LIFT
Power source		Electrical - Lithium
Operator type		Seated
Max. capacity	Q	1600 kg
Load center of gravity	C	500 mm
Load distance, centre of drive axle to fork	x	359.50 mm
Wheelbase	y	1277 mm
Standard mast reference of the machine	, , , , , , , , , , , , , , , , , , ,	FVD 30
Weight		
Service weight		2940 kg
Weight on front axle (laden) / rear axle (laden)		3950 kg / 590 kg
Weight on front axle (Unladen) / rear axle (Unladen)		1340 kg / 1600 kg
Wheels		re te kg / rece kg
Tires type		Solid tires
Dimensions of front wheels		18x7-8
Dimensions of rear wheels		15x4,5-8
Number of front wheels / rear wheels		2 / 1
Number of frive wheels ! Number of drive wheels		2
Front wheel gauge	b10	914 mm
Rear wheel gauge	b11	178 mm
Dimensions	511	170 111111
	h6	2147 mm
Height of overhead guard (cabin) Seat height/stand height	h7	1120 mm
	h10	525 mm
Height of towing bar (coupling height) Overall length	I1	2776 mm
Length to face of forks	12	1856 mm
Overall width	b1	1086 mm
1 Forks width / length	e / I	35 mm x 100 mm
Fork carriage ISO 2328 (class/form) A/B	e / I	2A
Fork carriage width	b3	1000 mm
Ground clearance below mast	m1	100 mm
Ground clearance at centre of wheelbase	m2	110 mm
	Ast	3156 mm
		3280 mm
	Ast Wa	1470 mm
Tuming radius Performances	Wa	1470 111111
Travel speed (laden / unladen)		16 km/h-16 km/h
, ,		0.45 m/s-0.60 m/s
Lifting speed (laden / unladen)		0.45 m/s-0.66 m/s 0.46 m/s-0.44 m/s
Lowering speed (laden / unladen) Drawbar pull (Laden / Unladen)		0.46 m/s-0.44 m/s 3300 daN / 3900 daN
		16 % / 18 %
Gradeability (laden / unladen) Service brake		
Service brake Engine		Hydraulic
•		2 FO LW
Drive motor rating S2 60 min		2.50 kW 11 kW
Lift motor rating at S3 15%		Lithium
Battery according to DIN 43531/35/36 A, B, C		76.80 V / 230 Ah
Battery voltage / capacity		
Battery weight (+/- 5%)		185 kg
Energy consumption according to VDI cycle (kWh/h)		3.80 kWh/h
Miscellaneous		105 h
Working hydraulic pressure for attachments		185 bar 30 l/min
Oil flow rate for attachments		⊀II I/Min
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)		FVD 30	FVD 33	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	٠	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

Equipment

Optional	
Battery - 23.3kWh - Lithium-ion	
External charger - 8kW AC - Lithium-ion - Three-phase	
Heating in cab	
LED front blue lamp	
LED rear blue lamp	
Mini levers - 4 hydraulics mouvments	
Non marking tires	
Writing table	





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