Technical sheet :

ME 430 LIFT





	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	
4.22.1	Forks width / length	e / I	
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	
4.34	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		
5.10	Engine		
6.1	Drive motor rating S2 60 min		
6.2	Lift motor rating at \$3 15%		
6.3	Battery according to DIN 43531/35/36 A, B, C		
6.4	Battery voltage / capacity		
6.5			
	Battery weight (+/- 5%) Energy consumption according to VDI cycle (kWh/h)		
6.6			
8.2	Miscellaneous 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		

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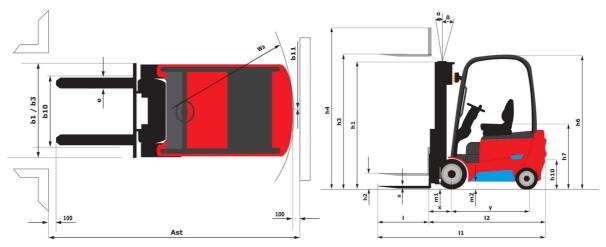
Manitou ME 430 LIFT Electrical Seated 3000 kg 500 mm 463.50 mm 1650 mm FVD 30

4610 kg 6610 kg / 1000 kg 1960 kg / 2650 kg Solid tires 23x10-12-18PR 18x7-8-16PR 2/2 2 1044 mm 960 mm 2186 mm

1155 mm 440 mm 3522.50 mm 2452.50 mm 1298 mm 45 mm x 122 mm 3A 1100 m 127 mm 115 mm 3854 mm 4053.50 mm 2190 mm 19 km/h-20 km/h 0.45 m/s-0.55 m/s 0.50 m/s-0.53 m/s 8500 daN / 9500 daN 13 % / 24 % Hydraulic 20 kW 26 kW No 76.80 V / 460 Ah 310 kg 8.22 kWh/h

> 160 bar 25 l/min 70 dB

ME 430 LIFT - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 30	FVD 33	FVD 37	FVD 40	FVD 45	
α - Mast/fork carriage tilt, forward °		6	6	6	б	б
β - Mast/fork carriage tilt, backward °		12	12	12	12	6
h1 - Mast lowered height	mm	2007	2157	2407	2607	2857
h2 - Mast free lift	mm	140	140	140	140	140
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	4046	4346	4746	5046	5546
Residual capacity at max height	kg	3000	3000	3000	3000	3000
Residual capacity with integrated side shift at max heigth	kg	2900	2900	2900	2900	2900

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	6	6	6	6	3	3	3
β - Mast/fork carriage tilt, backward	٥	6	6	6	6	6	6	6
h1 - Mast lowered height	mm	2007	2157	2307	2407	2607	2857	3057
h2 - Mast free lift	mm	904	1054	1154	1254	1404	1604	1804
h3 - Mast lifting height	mm	4000	4500	4800	5000	5500	6000	6500
h4 - Mast extended height	mm	5046	5546	5846	6046	6546	7046	7546
Residual capacity at max height	kg	3000	3000	2900	2850	2670	2350	2000
Residual capacity with integrated side shift at max heigth	kg	2900	2900	2800	2750	2570	2250	1900



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