Technical sheet :

## ME 430 LIFT





ME 430 LIFT Created on June 19, 2025 at 11:47 PM UTC					
	Metric				
	Manitou				
	ME 430 LIFT				
	Electrical				
	Seated				
Q	3000 kg				
С	500 mm				
x	463.50 mm				
У	1650 mm				

1.0	Load distance, centre of drive axie to fork	
1.9	Wheelbase	
	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)	
2.0	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	
3.7	Rear wheel gauge	
	Dimensions	
4.7	Height of overhead guard (cabin)	
4.8	Seat height/stand height	
4.12	Height of towing bar (coupling height)	
4.19	Overall length	
4.20	Length to face of forks	
4.21	Overall width	
4.22.1	Forks width / length	
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	
4.31	Ground clearance below mast	
4.32	Ground clearance at centre of wheelbase	
4.33	Aisle Width for pallets 1000 x 1200 crossways	
4.34	Aisle width for 800 x 1200 pallet lengthways	
4.35	Turning radius	
	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)	
	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	

	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
0	1044 mm
1	960 mm
5	2186 mm
7	1155 mm
0	440 mm
	3522.50 mm
2	2452.50 mm
1	1298 mm
1	45 mm x 122 mm
	3A
3	1100 m
1	127 mm
2	115 mm
st	3854 mm
st	4053.50 mm
а	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
	00 hW
	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

Technical characte

Manufacturer

Model Name

Power source

Operator type

Max. capacity

Load center of gravity

1.1 1.2

1.3

1.4

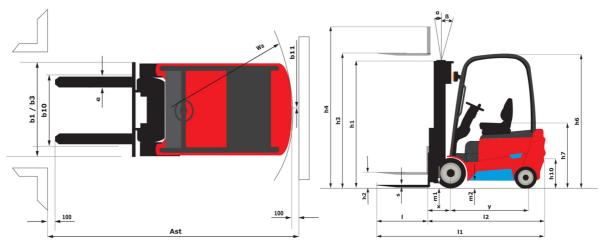
1.6

1.8

1.5

ristics

Load distance, centre of drive axle to fork



## 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	۰	6	б	6	б	6
β - Mast/fork carriage tilt, backward	٥	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	٥	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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