Technical sheet :

## ME 425 LIFT





	<b>ME 425 LIFT</b> Crea	ted on June 19, 2025 at 11:36 PM UT(
Technical characteristics		Меттіс
Manufacturer		Manitou
Model Name		ME 425 LIFT
Power source		Electrical
Operator type		Seated
Max. capacity	Q	2500 kg
Load center of gravity	C	500 mm
Load distance, centre of drive axle to fork	x	431 mm
Wheelbase	у	1520 mm
Standard mast reference of the machine		FVD 30
Weight		
Service weight		3875 kg
Weight on front axle (laden) / rear axle (laden)		5595 kg / 780 kg
Weight on front axle (Unladen) / rear axle (Unladen)		1580 kg / 2295 kg
Wheels		
Tires type		Solid tires
Dimensions of front wheels		23x9-10-18PR
Dimensions of rear wheels		18x7-8-14PR
Number of front wheels / rear wheels		2 / 2
Number of drive wheels		2
Front wheel gauge	b10	1046 mm
Rear wheel gauge	b11	960 mm
Dimensions		
Height of overhead guard (cabin)	h6	2186 mm
Seat height/stand height	h7	1155 mm
Height of towing bar (coupling height)	h10	440 mm
Overall length	11	2257 mm

	Metric
	Manitou
	ME 425 LIFT
	Electrical
	Seated
Q	2500 kg
с	500 mm
х	431 mm
у	1520 mm
	FVD 30

> 440 mm 3357 mm

2287 mm

1271 mm

40 mm x 122 mm

2A

1038 mm 120 mm

115 mm

3670 mm

3866 mm

2035 mm

19 km/h-20 km/h

0.50 m/s-0.60 m/s

0.51 m/s-0.54 m/s

8000 daN / 9000 daN

13 % / 24 %

Hydraulic

20 kW

26 kW

No

76.80 V / 304 Ah

225 kg

6.52 kWh/h 160 bar

25 l/min

70 dB

3.6	Front wheel gauge	
	Rear wheel gauge	
	Dimensions	
'	Height of overhead guard (cabin)	
.8	Seat height/stand height	
.12	Height of towing bar (coupling height)	
.19	Overall length	
.20	Length to face of forks	
.21	Overall width	
22.1	Forks width / length	
23	Fork carriage ISO 2328 (class/form) A/B	
.24	Fork carriage width	
31	Ground clearance below mast	
32	Ground clearance at centre of wheelbase	
33	Aisle Width for pallets 1000 x 1200 crossways	
34	Aisle width for 800 x 1200 pallet lengthways	
35	Turning radius	
	Performances	
.1	Travel speed (laden / unladen)	
2	Lifting speed (laden / unladen)	
3	Lowering speed (laden / unladen)	
.5	Drawbar pull (Laden / Unladen)	
.7	Gradeability (laden / unladen)	
.10	Service brake	
	Engine	
1	Drive motor rating S2 60 min	
5.2	Lift motor rating at S3 15%	
i.3	Battery according to DIN 43531/35/36 A, B, C	
i.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	

## ME 425 LIFT - Dimensional drawing

Sound level at the driver's ear according to DIN 12 053

1.1

1.2

1.3

1.4

1.5

1.6

1.8 1.9

2.1 2.2

2.3

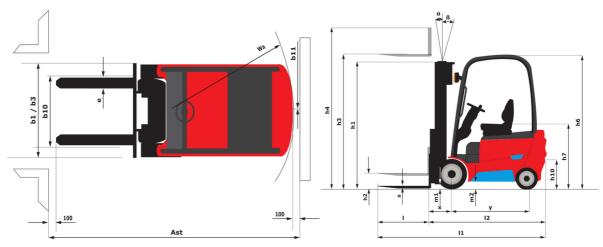
3.1

3.2

3.3 3.5

3.5.2

8.4



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
a - Mast/fork carriage tilt, forward	۰	6	6	6	б	б
β - Mast/fork carriage tilt, backward	٥	12	12	12	12	6
h1 - Mast lowered height	mm	2000	2150	2400	2600	2850
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	2500	2500	2500	2500	2450
Residual capacity with integrated side shift at max heigth	kg	2450	2450	2450	2450	2400

Free Lift Triplex (FLT)		FLT 40	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
a - 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	1950	2100	2200	2300	2450	2650	2850
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	2500	2350	2250	2150	2050	1850	1600
Residual capacity with integrated side shift at max heigth	kg	2450	2300	2200	2100	2000	1800	1550



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