Technical sheet :

ME 425 LIFT





	ME 425 LIFT Create
Technical characteristics	
Manufacturer	
Model Name	
Power source	
Operator type	
Max. capacity	Q
Load center of gravity	с
Load distance, centre of drive axle to fork	X
Wheelbase	у
Standard mast reference of the machine	
Weight	
Service weight	
Weight on front axle (laden) / rear axle (laden)	
Weight on front axle (Unladen) / rear axle (Unladen)	
Wheels	
Tires type	
Dimensions of front wheels	
Dimensions of rear wheels	
Number of front wheels / rear wheels	
Number of drive wheels	
Front wheel gauge	b10
Rear wheel gauge	b11
Dimensions	
Height of overhead guard (cabin)	h6
Seat height/stand height	h7
Height of towing bar (coupling height)	h10
Overall length	11
Length to face of forks	12
Overall width	b1
Forks width / length	e / l
Fork carriage ISO 2328 (class/form) A/B	
Fork carriage width	b3
Ground clearance below mast	m1
Ground clearance at centre of wheelbase	m2
Aisle Width for pallets 1000 x 1200 crossways	Ast
Aisle width for 800 x 1200 pallet lengthways	Ast
Turning radius	Wa
Performances	
Travel speed (laden / unladen)	

425	LIFT	Created o	on June 1	8, 2025	at 10:27	PM UTC

Metric Manitou

ME 425 LIFT

Electrical

Seated

2500 kg 500 mm

431 mm

1520 mm

FVD 30 3875 kg 5595 kg / 780 kg 1580 kg / 2295 kg Solid tires 23x9-10-18PR 18x7-8-14PR 2/2 2 1046 mm 960 mm 2186 mm 1155 mm 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

ME 425 LIFT - Dimensional drawing

Oil flow rate for attachments

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

3.6

3.7

4.7

4.8

4.12

4.19

4.20

4.21

4.22.1

4.23

4.24

4 31

4.32

4.33

4.34

4.35

5.1

5.2

5.3

5.5

5.7 5.10

6.1

6.2 6.3

6.4

6.5

6.6

8.2

8.3

8.4

Lifting speed (laden / unladen)

Lowering speed (laden / unladen)

Drawbar pull (Laden / Unladen)

Gradeability (laden / unladen)

Drive motor rating S2 60 min

Lift motor rating at S3 15%

Battery voltage / capacity

Battery weight (+/- 5%)

Miscellaneous

Battery according to DIN 43531/35/36 A, B, C

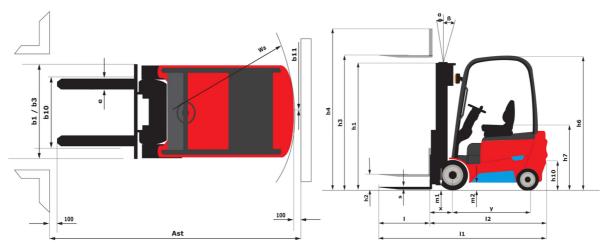
Working hydraulic pressure for attachments

Energy consumption according to VDI cycle (kWh/h)

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

Service brake

Engine



Characteristics of masts and residual capacities

-		FLT 48
h2 - Mast free lift	mm	1154
h3 - Mast lifting height	mm	4800
Residual capacity at max height	kg	2250
Residual capacity with integrated side shift at max heigth	kg	2200

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	۰	6	6	6	б	6
β - Mast/fork carriage tilt, backward	۰	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 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward	۰	б	6	6	3	3	3
$\boldsymbol{\beta}$ - Mast/fork carriage tilt, backward	۰	6	6	б	6	6	6
h1 - Mast lowered height	mm	1950	2100	2300	2450	2650	2850
h2 - Mast free lift	mm	904	1054	1254	1404	1604	1804
h3 - Mast lifting height	mm	4000	4500	5000	5500	6000	6500
h4 - Mast extended height	mm	5046	5546	6046	6546	7046	7546
Residual capacity at max height	kg	2500	2350	2150	2050	1850	1600
Residual capacity with integrated side shift at max heigth	kg	2450	2300	2100	2000	1800	1550



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