Technical sheet :

ME 425 LIFT



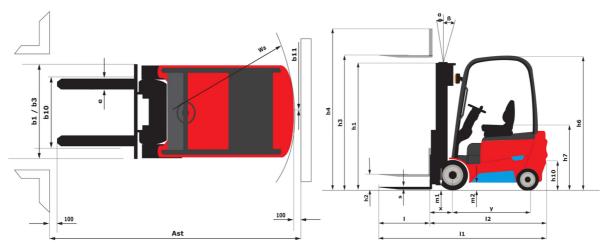


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Standard mast reference of the machine	
	Weight	
2.1	Service weight	
2.2	Weight on front 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
0.7	Dimensions	511
4.7	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
4.12	Height of towing bar (coupling height)	h10
4.12	Overall length	11
4.19	Length to face of forks	12
4.20	Overall width	b1
4.21	Forks section / width / length	s/e/l
4.22		5/8/1
4.23	Fork carriage ISO 2328 (class/form) A/B Fork carriage width	b3
4.24	Ground clearance below mast	m1
4.31	Ground clearance at centre of wheelbase	m2
4.32		
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast
	Aisle width for 800 x 1200 pallet lengthways	
4.35	Tuming radius	Wa
5.1	Performances	
5.1 5.2	Travel speed (laden / unladen)	
	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	
<u> </u>	Engine	
6.1	Drive motor rating \$2.60 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	

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Metric
Manitou
ME 425 LIFT
Electrical - Lithium
Seated
2500 kg
500 mm
431 mm
1520 mm
FVD 30
3875 kg
5595 kg / 780 kg
1580 kg / 2295 kg
1300 kg / 2293 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 x 1070 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
Lithium
76.80 V / 304 Ah
225 kg
6.50 kWh/h
160 bar
25 l/min 70 dB

ME 425 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	б	6	6
β - Mast/fork carriage tilt, backward °		12	12	12	12	6
h1 - Mast lowered height m		2000	2150	2400	2600	2850
h2 - Mast free lift m		140	140	140	140	140
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height		4046	4346	4746	5046	5546
Residual capacity at max height kg		2500	2500	2500	2500	2450
Residual capacity with integrated side shift at kg max heigth		2450	2450	2450	2450	2400

Free Lift Triplex (FLT)		FLT 40	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward °		6	6	6	6	3	3	3
β - Mast/fork carriage tilt, backward °		6	6	12	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		6046	6546	7046	7546
Residual capacity at max height kg		2500	2350	2250	2150	2050	1850	1600
Residual capacity with integrated side kg		2450	2300	2200	2100	2000	1800	1550

Equipment

Standard
Audio warning on reverse movements
Battery - 35,3kWh - 76,8V - 460Ah - Lithium-ion
Charger - 10kW- 32A - 380V - Lithium-ion - Three-phase
Electric parking brake
LED front right and left working lights (x2)
Load backrest - width : 1200 mm - LB 1200
Overhead guard with glass roof
PVC mechanical suspension seat
Panoramic inner rear view mirror
Rear working light

Optional

2 additional front working lights
3 way distributor with levers in line
4 way distributor with levers in line
Battery - 47kWh - 76.8V - 608Ah - Lithium
Charger - 20kW - 32A - 380V - Lithium-ion
Charger - 8kW - 32A - 380V - Lithium-ion
Closed cab
Hydraulic kit 3rd and 4th element
Mini levers
Open cab



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