Technical sheet:

ME 425 LIFT

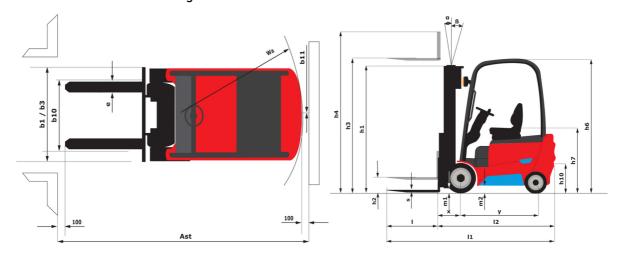






1.1 M 1.2 M 1.3 Po 1.4 O	echnical characteristics lanufacturer lodel Name ower source perator type lax. capacity oad center of gravity		<mark>Metric</mark> Manitou ME 425 LIFT Electrical - Lithium		
1.2 M 1.3 Po 1.4 O 1.5 M	lodel Name ower source perator type lax. capacity oad center of gravity		ME 425 LIFT		
1.3 Po 1.4 O 1.5 M	ower source perator type lax. capacity oad center of gravity				
1.4 0 1.5 M	perator type lax. capacity oad center of gravity		Electrical - Lithium		
1.5 M	lax. capacity oad center of gravity				
	oad center of gravity		Seated		
1.6	· ·	Q	2500 kg		
1.6 Lo		c	500 mm		
1.8 Lo	oad distance, centre of drive axle to fork	X	431 mm		
	/heelbase	у	1520 mm		
St	tandard mast reference of the machine		FVD 30		
	/eight				
	ervice weight		3875 kg		
	/eight on front axle (laden) / rear axle (laden)		5595 kg / 780 kg		
	/eight on front axle (Unladen) / rear axle (Unladen)		1580 kg / 2295 kg		
	/heels		1000 kg / 2250 kg		
	ires type		Solid tires		
	imensions of front wheels		23x9-10-18PR		
	imensions of rear wheels		18x7-8-14PR		
	umber of front wheels / rear wheels		2 / 2		
			2		
	umber of drive wheels	h10			
	ront wheel gauge	b10	1046 mm		
	ear wheel gauge	b11	960 mm		
	imensions		0406		
	eight of overhead guard (cabin)	h6	2186 mm		
	eat height/stand height	h7	1155 mm		
	eight of towing bar (coupling height)	h10	440 mm		
	verall length	I1	3357 mm		
	ength to face of forks	12	2287 mm		
	verall width	b1	1271 mm		
	orks section / width / length	s / e / l	40 mm x 122 mm x 1070 mm		
	ork carriage ISO 2328 (class/form) A/B		2A		
	ork carriage width	b3	1038 mm		
	round clearance below mast	m1	120 mm		
4.32 G	round clearance at centre of wheelbase	m2	115 mm		
4.33 A	isle Width for pallets 1000 x 1200 crossways	Ast	3670 mm		
4.34 A	isle width for 800 x 1200 pallet lengthways	Ast	3866 mm		
4.35 Tı	uming radius	Wa	2035 mm		
P	erformances				
5.1 Tr	ravel speed (laden / unladen)		19 km/h-20 km/h		
5.2 Li	ifting speed (laden / unladen)		0.50 m/s-0.60 m/s		
	owering speed (laden / unladen)		0.51 m/s-0.54 m/s		
	rawbar pull (Laden / Unladen)		8000 daN / 9000 daN		
5.7 G	radeability (laden / unladen)		13 % / 24 %		
5.10 Se	ervice brake	<u> </u>	Hydraulic		
E	ngine				
6.1 D	rive motor rating S2 60 min		20 kW		
6.2 Li	ift motor rating at S3 15%		26 kW		
6.3 Ba	attery according to DIN 43531/35/36 A, B, C		Lithium		
6.4 Ba	attery voltage / capacity		76.80 V / 304 Ah		
6.5 Ba	attery weight (+/- 5%)		225 kg		
6.6 Er	nergy consumption according to VDI cycle (kWh/h)		6.50 kWh/h		
M	liscellaneous				
8.2 W	orking hydraulic pressure for attachments		160 bar		
	il flow rate for attachments		25 l/min		
	ound level at the driver's ear according to DIN 12 053		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	٠	6	6	6	6	6
β - Mast/fork carriage tilt, backward °		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
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 shift at max heigth kg		2450	2300	2200	2100	2000	1800	1550

Equipment

Standard	
Audio warning on reverse movements	
Battery - 35.3kWh - Lithium-ion	
Electric parking brake	
External charger - 10kW AC - Lithium-ion - Three-phase	
LED front right and left working lights (x2)	
Mechanical suspension PVC seat - Grammer MSG65	
Overhead guard - with roof window (Tempered glass)	
Panoramic interior rear view mirror	
Rear working light	

Optional
Battery - 46.7kWh - Lithium-ion
Charger - 20kW - 32A - 380V - Lithium-ion
Closed cab
External charger - 8kW AC - Lithium-ion - Three-phase
Open cab





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