Technical sheet :



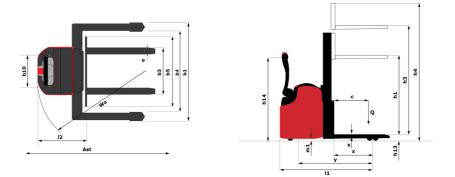




Technical characteristics	
1.1 Manufacturer	
1.2 Model Name	
1.3 Power source	
1.4 Operator type	
1.5 Max. capacity	
1.6 Load center of gravity	
1.8 Distance from Load backrest to center of rear axle	
1.9 Wheelbase	
Weight	
2.1 Service weight	
2.1 Service weight 2.2 Weight on front axle (laden) / rear axle (laden)	
2.3 Weight on front axle (laden) / rear axle (laden) 2.3 Weight on front axle (Unladen) / rear axle (Unladen)	
2.3 Weight of noncaste (officient) / real aste (officient)	
3.1 Tires type	
3.3 Number of load wheels / Size of load wheels	
3.4 Number of castor wheels	
3.4 Number of stabilizer wheels / Size of the stabilizer wheels	
3.4 Number of stabilizer wheels / size of the stabilizer wheels 3.5 Number of front wheels / rear wheels	
3.6 Front wheel gauge 3.7 Rear wheel gauge	
3.7 Rear wheel gauge Dimensions	
4.15 Fork height in low position 4.19 Overall length	
4.19 Overall length 4.20 Length to face of forks	
4.20 Derall width	
4.22 Forks section / width / length	
4.26 Distance between wheel arms/loading surfaces	
4.23 Fork carriage ISO 2328 (class/form) A/B	
4.24 Fork carriage width	
4.25 Space between arms	
4.31 Ground clearance below mast	
4.32 Ground clearance at centre of wheelbase	
4.35 Tuming radius	
4.9 Height tiller min. / max.	
Performances	
5.1 Travel speed (laden / unladen)	
5.2 Lifting speed (laden / unladen)	
5.3 Lowering speed (laden / unladen)	
5.8 Max Gradeability (laden / unladen)	
5.10 Service brake	
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%)	
Miscellaneous	
8.1 Type of drive control	
8.4 Sound level at the driver's ear according to DIN 12 053	

ES 410 I	L ■ Created on August 30, 2025 at 6:16 PM UTC		
	Metric		
	Manitou		
	ES 410 LE		
	Electrical - Lead		
	Pedestrian		
Q	1000 kg		
с	600 mm		
х	723 mm		
у	1285 mm		
	920 kg		
	728 kg / 1192 kg		
	644 kg / 276 kg		
	Polyurethane		
	2 / 78x78		
	1		
	2 / 125x50		
	2 / 2		
	1/230x75		
b10	517 mm		
b11	978 mm		
h13	85 mm		
11	1870 mm		
12	720 mm		
b1	1106 mm		
s / e / l	30 mm / 100 mm / 1150 mm		
b4	850 mm		
	2B		
b3	720 m		
b3	850/1050/1250		
m1	35 mm		
m2 Wa	20 mm 1465 mm		
wa h14 / h14	1465 mm 1050 mm / 1050 mm		
114/114	1050 mm / 1050 mm		
	6 km/h / 6 km/h		
	0.14 m/s / 0.24 m/s		
	0.30 m/s / 0.20 m/s		
	8 % / 10 %		
	Electro magnetic		
	1.20 kW		
	3 kW		
	DIN 43535-B		
	24 V / 180 Ah		
	176 kg		
	······································		
	AC		
	65 dB		

ES 410 LE - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1940	2190	2390
h3 - Mast lifting height	mm	2940	3440	3840
h4 - Mast extended height	mm	3365	3865	4265
Residual capacity at max height	kg	1000	900	1000

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1940	2190
h2 - Mast free lift	mm	1510	1760
h3 - Mast lifting height	mm	2935	3435
h4 - Mast extended height	mm	3365	3865
Residual capacity at max height	kg	1000	900

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1960
h2 - Mast free lift	mm	1470
h3 - Mast lifting height	mm	4240
h4 - Mast extended height	mm	4240
Residual capacity at max height	kg	550



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