Technical sheet :



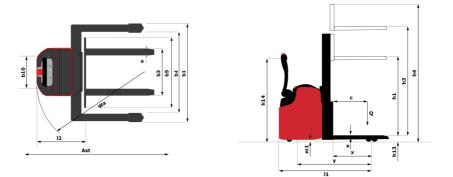




	Technical characteristics
1.1	Manufacturer
1.2	Model Name
1.3	Power source
1.4	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Distance from Load backrest to center of rear axle
1.9	Wheelbase
	Weight
2.1	Service weight
2.2	Weight on front axle (laden) / rear axle (laden)
2.3	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
3.1	Tires type
3.3	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
3.5	Number of front wheels / rear wheels
3.5.2	Number of drive wheels / Size of drive wheels
3.6	Front wheel gauge
3.7	Rear wheel gauge
	Dimensions
4.15	Fork height in low position
4.19	Overall length
4.20	Length to face of forks
4.21	Overall 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	Turning 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 S2 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

Metric Manitou ES 410 LE Electrical Pedestrian Q 1000 kg c 600 mm x 723 mm y 1285 mm 920 kg 728 kg / 1192 kg 644 kg / 276 kg Polyurethane 2 / 78x78 1 2 / 125x50 2 / 2 1 978 mm 978 mm 1 978 mm 1 978 mm 1 978 mm 11 978 mm 11 978 mm 11 978 mm 11 978 mm 12 720 mm 13 85 mm 11 1870 mm 12 720 m 13 850 mm 105 mm </th <th>ES 410 L</th> <th>₣ Created on August 12, 2025 at 5:23 PM UTC</th>	ES 410 L	₣ Created on August 12, 2025 at 5:23 PM UTC
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b3 720 m b3 850/1050/1250 m1 35 mm m2 20 mm Wa 1465 mm h14 / h14 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 %	b4	850 mm
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m2 20 mm Wa 1465 mm h14 / h14 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 %	b3	850/1050/1250
Wa 1465 mm h14 / h14 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 %	m1	35 mm
h14 / h14 6 km/h / 6 km/h 0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s 8 % / 10 %	m2	20 mm
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0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s 8 % / 10 %	h14 / h14	1050 mm / 1050 mm
0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s 8 % / 10 %		
0.30 m/s / 0.20 m/s 8 % / 10 %		
8 % / 10 %		
Electro magnetic		Electro magnetic
1.20 kW		
3 kW		
DIN 43535-B		
24 V / 180 Ah		
176 kg		і /6 Kg
AC		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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