Technical sheet :



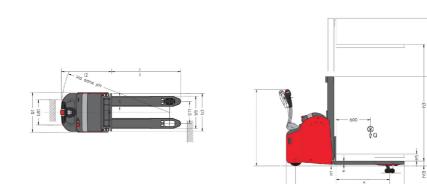




	Technical characteristics
1.1	Manufacturer
1.2	Model Name
1.3	Power source
1.4	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Distance from Load backrest to center of rear axle
1.9	Wheelbase
	Weight
2.1	Service weight
2.2	Weight on front axle (laden) / rear axle (laden)
2.3	Weight on 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 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
4.24	Fork carriage width
4.31	Ground clearance below mast
4.32	Ground clearance at centre of wheelbase
4.33	Aisle Width for pallets 1000 x 1200 crossways
4.34	Aisle Width for pallets 800 x 1200 crossways
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 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

<b>ES 410</b> Created on August 2, 2025 at 1:24 AM	I UTC
Metric	
Manitou	
ES 410	
Electrical	
Pedestrian	
Q 1000 kg	
c 600 mm	
x 723 mm	
y 1286 mm	
870 kg	
709 kg / 1161 kg	
609 kg / 261 kg	
Polyurethane	
2 / 125x50	
1 / 125x50	
2 / 2	
1/230x70	
b10 517 mm	
b11 380 mm	
h13 85 mm	
l1 1875 mm	
12 725 mm	
b1 832 mm	
s / e / l 60 mm / 180 mm / 1150 mm	
b3 680 mm m1 35 mm	
m1 35 mm m2 30 mm	
Ast 2605 mm	
Ast 2518 mm	
Wa 1516 mm	
h14 / h14 920 mm / 1425 mm	
6 km/h / 6 km/h	
0.14 m/s / 0.24 m/s	
0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s	
0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s 8 % / 10 %	
0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s	
0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s 8 % / 10 %	
0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s 8 % / 10 % Electro magnetic	
0.14 m/s / 0.24 m/s 0.30 m/s / 0.20 m/s 8 % / 10 % Electro magnetic 1.20 kW	
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	
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	
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 / 160 Ah	
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 / 160 Ah	

## ES 410 - 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	750

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	1965
h2 - Mast free lift	mm	1470
h3 - Mast lifting height	mm	4240
h4 - Mast extended height	mm	4735
Residual capacity at max height	kg	550



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