Technical sheet :



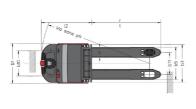


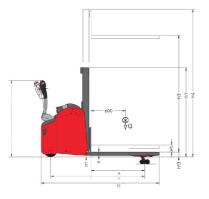


	Technical characteristics
1.1	Manufacturer
1.2	Model Name
1.3	Power source
1.4	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Distance from Load backrest to center of rear axle
1.9	Wheelbase
	Weight
2.1	Service weight
2.2	Weight on front axle (laden) / rear axle (laden)
2.3	Weight on front axle (Inladen) / rear axle (Inladen)
2.3	Wheels
0.1	
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
4.35	Turning radius
4.9	Height tiller 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
0.110	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%)
0.1	Miscellaneous
8.1	Type of drive control
8.4	Sound level at the driver's ear according to DIN 12 053

ES 410 Created on 3 May 2024 at 17:13:14 UTC					
	Metric				
	Manitou				
	ES 410				
	Electrical				
	Pedestrian				
Q	1000 kg				
с	600 mm				
х	723 mm				
у	1285 mm				
	870 kg				
	709 kg / 1161 kg				
	609 kg / 261 kg				
	Polyurethane				
	2 / 125x50				
	1 / 125x50				
	2/2				
	1/230x75				
b10	517 mm				
b11	380 mm				
h13	85 mm				
1	1870 mm				
12	720 mm				
b1	800 mm				
s / e / l	60 mm / 180 mm / 1150 mm				
b3	680 mm				
m1	35 mm				
m2	20 mm				
Wa	1465 mm				
h14	1050 mm				
	6 km/h / 6 km/h				
	0.11 m/s / 0.16 m/s				
	0.14 m/s / 0.12 m/s				
	8 % / 10 %				
	Electro magnetic				
	1 kW				
	2 kW				
	DIN 43535-B				
	24 V / 160 Ah				
	143 kg				
	AC				
	65 dB				

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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