Technical sheet :



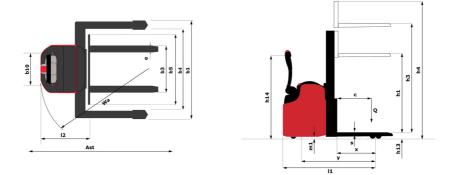




Technical characteristics Manufacturer Model Name Power source Operator type Max. capacity Load center of gravity Distance from Load backrest to center of rear axle Wheelbase Weight Service weight Weight on front axle (laden) / rear axle (laden) Weight on front axle (laden) / rear axle (luladen) Weels Tires type Number of load wheels / Size of load wheels Number of load wheels / Size of the stabilizer wheels Number of load wheels / Size of drive wheels Front wheel gauge Power of drive wheels / Size of drive wheels Front wheel gauge Dimensions Service of forks Overall length Length to face of forks Overall width Fork section / width / length Fork carriage width Ground clearance at centre of wheelbase	
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4 Fork carriage width 1 Ground clearance below mast 2 Ground clearance at centre of wheelbase	
1 Ground clearance below mast 2 Ground clearance at centre of wheelbase	
2 Ground clearance at centre of wheelbase	
5 Turning radius	
Performances	
Travel speed (laden / unladen)	
Lifting speed (laden / unladen)	
Lowering speed (laden / unladen)	
Max Gradeability (laden / unladen)	
0 Service brake	
Engine	
Drive motor rating \$2 60 min	
Lift motor rating at S3 15%	
Battery voltage / capacity	
5 Battery weight (+/- 5%)	
Miscellaneous	
Type of drive control	
Sound level at the driver's ear according to DIN 12 053	

ES 410 E						
	Metric					
	Manitou					
	ES 410 ET					
	Electrical - Lead					
	Pedestrian					
Q	1000 kg					
С	600 mm					
х	720 mm					
у	1245 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					
11	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	1400 mm					
	5.80 km/h / 6 km/h					
	0.24 m/s / 0.14 m/s					
	0.20 m/s / 0.30 m/s					
	8 % / 10 %					
	Electro magnetic					
	1.20 kW					
	3 kW					
	24 V / 160 Ah					
	150 kg					
	AC					
	65 dB					

ES 410 ET - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Duplex (CCD)		CCD 26	CCD 29	CCD 34
h1 - Mast lowered height	mm	1780	1930	2180
h2 - Mast free lift	mm	140	140	140
h3 - Mast lifting height	mm	2630	2930	3430
h4 - Mast extended height	mm	3065	3365	3865
Residual capacity at max height	kg	1000	1000	900

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1930	2180
h2 - Mast free lift	mm	1500	1750
h3 - Mast lifting height	mm	1500	1750
h4 - Mast extended height	mm	1930	2180
Residual capacity at max height	kg	1000	1000



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