Technical sheet :



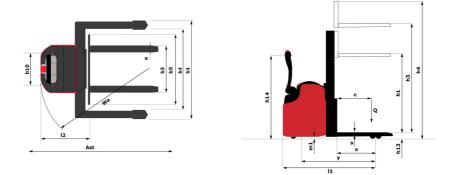




	Technical characteristics			
1.1	Manufacturer			
1.2	Model Name			
1.3	Power source			
1.4	Operator type			
1.5	Max. capacity			
1.6	Load center of gravity			
1.8	Distance from Load backrest to center of rear axle			
1.9	Wheelbase			
	Weight			
2.1	Service weight			
2.2	Weight on front axle (laden) / 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			
4.35	Tuming radius			
	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%			
6.4	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 ET	Created on 8 May 2024 at 5:48:37 AM UTC			
	Metric			
	Manitou			
	ES 410 ET			
	Electrical			
	Pedestrian			
Q	1000 kg			
С	600 mm			
x	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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