Technical sheet:

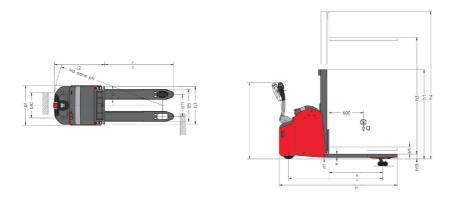
ES 410





4.24 Fork carriage width b3 680 mm 4.31 Ground clearance below mast m1 35 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.33 Aisle Width for pallets 1000 x 1200 crossways Ast 2605 mm 4.34 Aisle Width for pallets 800 x 1200 crossways Ast 2518 mm 4.35 Tuming radius Wa 1516 mm 4.9 Height tiller min. / max. h14 / h14 920 mm / 1425 mm Performances 5.1 Travel speed (laden / unladen) 6 km/h / 6 km/h 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.14 m/s / 0.24 m/ 0.14 m/s / 0.24 m/ 5.3 Lowering speed (laden / unladen) 0.30 m/s / 0.20 m/ 8 % / 10 % 5.10 Service brake Electro magnetic Engine 6.1 Drive motor rating \$2.60 min 1.20 kW 6.2 Lift motor rating \$2.60 min 1.20 kW 6.2 Lift motor rating \$2.60 min 1.20 kW 6.3 Battery voltage / capacity 24 V/ 160 Ah 6.5 Battery weight (+/- 5%		Technical characteristics		Metric
1.4 Operator type	1.1	Manufacturer		Manitou
1.4 Operator type	1.2	Model Name		ES 410
1.5	1.3	Power source		Electrical
1.0 Load center of gravity C	1.4	Operator type		Pedestrian
1.6	1.5	Max. capacity	Q	1000 kg
1.9 Wheelbase Y 126 mm Y 126 mm	1.6		С	600 mm
Neight Service weight Service weight Service weight Service weight Service weight Service weight Service weight of mort axie (lunden) Service weight of mort axie (Unladen) Service weight of load wheels / Size of load wheels Size of load wheels Size of load wheels Size of load wheels Size of the stabilizer wheels Service weight of load wheels / Size of the stabilizer wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Size of dive wheels Service weight of load wheels / Service weight of load wheels / Service wheels Service weight of load wheels / Service weight of load wheels / Service wheels Service weight of load wheels / Service wheels Service weight of load wheels / Service wheels Service weight of load wheels / Service weight of load weight (# Service weight (# Service weight of load weight (# Service weight of l	1.8	Distance from Load backrest to center of rear axle	X	723 mm
2.1 Service weight	1.9	Wheelbase	У	1286 mm
2.1 Service weight 370 kg 2.2 Weight on front axie (Loriaden) / rear axie (Unladen) 608 kg / 261 kg 2.3 Weight on front axie (Unladen) / rear axie (Unladen) 608 kg / 261 kg 3.1 Tires type Polyuethane 3.3 Number of load wheels / Size of load wheels 2 / 1725.50 3.4 Number of stabilizer wheels / Size of the stabilizer wheels 2 / 2 3.5 Number of othick websels / Size of drive wheels 2 / 2 3.5 Number of othick websels / Size of drive wheels 2 / 2 3.5 Number of othick websels / Size of the stabilizer wheels 5 / 12 3.6 Front wheel gauge b10 517 mm 4.1 Fork weed gauge b11 380 mm 4.15 Fork height in low position h13 85 mm 4.19 Overall length 11 1875 mm 4.20 Length to face of forks 12 272 mm 4.21 Overall width b1 33 mm 4.22 Fork section / width / length 5 / 6 / 6 mm / 180 mm / 115 33 mm		Weight		
Weight on front axie (Unider) / rear axie (Unider) 609 kg / 115 kg 609 kg / 261 kg	2.1	· · · ·		870 kg
2.3 Weight on front axie (Unladen) / wear axie (Unladen) 609 kg / 261 kg Wheels Comment Comment 3.1 Tires type Polysuethane 3.3 Number of Itolad wheels / Size of fload wheels 2 / 1725x50 3.5 Number of Itolad wheels / Foar wheels 2 / 2 3.5.2 Number of forth weels / Foar wheels 2 / 2 3.5.2 Number of forth weels / Foar wheels b10 517230x70 3.6 Front wheel gauge b10 51727mm 3.7 Rear wheel gauge b10 517 mm 3.7 Rear wheel gauge b11 388 mm 4.15 Fonk height in low position h13 85 mm 4.19 Overall length 11 1875 mm 4.20 Cength for face of forks 12 72 mm 4.21 Coverall width 5 / 6 / 1 60 mm / 180 mm / 115 4.22 Fork section / width / length 5 / 6 / 1 60 mm / 180 mm / 115 4.23 Giound clearance tecente of wheelbase m2 30 mm 4.31	2.2			*
		. , , , ,		* *
3.1 Tires type Polyurethane 3.3 Number of load wheels / Size of the stabilizer wheels 2.1725x50 3.5 Number of front wheels / rear wheels 2.1725x50 3.5 Number of front wheels / Size of three wheels 2.72 3.5 Number of front wheel agues bit 0 3.6 Front wheel gauge bit 0 3.7 Rear wheel gauge bit 1 4.15 Fork height in low position hit 3 4.19 Overall length lit 1 4.20 Length of face of forks lit 1 1875 mm 4.21 Overall width bit 3 680 mm 4.22 Fork section / width / length s / e/1 60 mm / 180 mm / 115 4.24 Fork carriage width bit 3 680 mm 4.31 Ground clearance below mast m1 35 mm 4.32 Asile Width for pallets 1000 x 1200 crossways Ast 22518 mm 4.33 Asile Width for pallets 800 x 1200 crossways Ast 22518 mm 5.1 Turning radius Wa 1516		. , , , ,		,, <u>J.</u> <u>J</u>
3.3 Number of load wheels / Size of the stabilizer wheels / Size of drive wheels / Size of Si	3.1			Polyurethane
3.4 Number of stabilizer wheels / Size of the stabilizer wheels 1 / 125x50 3.5 Number of front wheels / Izer of drive wheels 2 / 2 3.6 Front wheel gauge b10 517 mm 3.7 Bear wheel gauge b10 517 mm 4.15 Fork height in low position h13 85 mm 4.19 Overall length h1 1875 mm 4.20 Overall width b1 832 mm 4.21 Overall width / length b1 832 mm 4.22 Fork section / width / length 5 / c / l 60 mm / 180 mm / 115 4.24 Fork carriage width b1 832 mm 4.24 Fork carriage width 5 / c / l 60 mm / 180 mm / 115 4.24 Fork carriage width for pallets 1000 x 1200 crossways m1 35 mm 4.24 Fork carriage width for pallets 1000 x 1200 crossways Ast 2605 mm 4.24 Fork carriage width for pallets 1000 x 1200 crossways Ast 2605 mm 4.25 Turning radius m2 30 mm 5.1 <t< td=""><td></td><td></td><td></td><td>·</td></t<>				·
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Dimensions				
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Length to face of forks 12 725 mm A21				
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6.5 Battery weight (+/- 5%) 165 kg Miscellaneous 8.1 Type of drive control AC				
Miscellaneous 8.1 Type of drive control AC				
8.1 Type of drive control AC	5.0			100 kg
	8.1			Δ.C.
9.4 Sound level at the driver's ear according to DIN 12.052	8.4	Sound level at the driver's ear according to DIN 12 053		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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