Technical sheet :



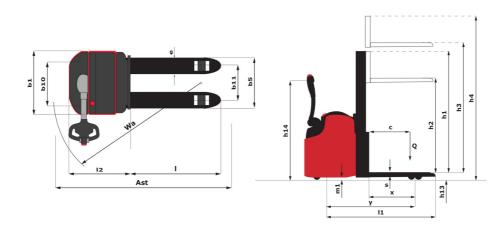




	Technical above and the	
1.1	Technical characteristics	
	Manufacturer	
	Model Name	
3	Power source	
.4	Operator type	
.5	Max. capacity	
6	Load center of gravity	
.8	Distance from Load backrest to center of rear axle	
9	Wheelbase	
	Weight	
.1	Service weight	
2	Weight on front axle (laden) / rear axle (laden)	
3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
1	Tires type	
3	Number of load wheels / Size of load wheels	
4	Number of castor wheels	
.4	Number of stabilizer wheels / Size of the stabilizer wheels	
5	Number of front wheels / rear wheels	
.2	Number of drive wheels / Size of drive wheels	
.6	Front wheel gauge	
7	Rear wheel gauge	
	Dimensions	
5	Fork height in low position	
9	Overall length	
.0	Length to face of forks	
21	Overall width	
22	Forks section / width / length	
4	Fork carriage width	
31	Ground clearance below mast	
32	Ground clearance at centre of wheelbase	
33	Aisle Width for pallets 1000 x 1200 crossways	
34	Aisle width for 800 x 1200 pallet lengthways	
5	Turning radius	
9	Height tiller max.	
	Performances	
	Travel speed (laden / unladen)	
	Lifting speed (laden / unladen)	
3	Lowering speed (laden / unladen)	
8	Max Gradeability (laden / unladen)	
0	Service brake	
	Engine	
	Drive motor rating \$2 60 min	
	Lift motor rating at S3 15%	
2	Battery according to DIN 43531/35/36 A, B, C	
4	Battery voltage / capacity	
5	Battery weight (+/- 5%)	
	Miscellaneous	
1	Type of drive control	
1	Sound level at the driver's ear according to DIN 12 053	

Metric Manitou ES 414 Electrical Pedestrian Q 1400 kg c 600 mm x 684 mm y 1245 mm y 1245 mm 968 kg 800 kg / 1624 kg 684 kg / 284 kg 684 kg / 284 kg Polyurethane 2 / 82x68 1 1 2 / 125x50 2 / 2 1/230x70 1 b10 517 mm b11 380 mm 11 1875 mm 12 724 mm b13 832 mm s / e / 1 60 mm / 1150 mm b3 680 mm
ES 414 Electrical Pedestrian Q 1400 kg c 600 mm x 684 mm y 1245 mm y 1245 mm 968 kg 800 kg / 1624 kg 684 kg / 284 kg 24 kg Polyurethane 2 / 82x68 1 2 / 125x50 2 / 2 1/230x70 b10 517 mm b11 380 mm 11 1875 mm 12 724 mm b1 832 mm s / e / 1 60 mm / 180 mm / 1150 mm
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800 kg / 1624 kg 684 kg / 284 kg Polyurethane 2 / 82x68 1 2 / 125x50 2 / 2 1/230x70 b10 517 mm b11 380 mm 11 1875 mm 12 724 mm b1 832 mm 5 / e / 1 60 mm / 180 mm / 1150 mm
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Polyurethane 2 / 82x68 1 2 / 125x50 2 / 2 1/230x70 b10 517 mm b11 380 mm 11 1875 mm 12 724 mm b1 832 mm 5 / e / l 60 mm / 180 mm / 1150 mm b3
2 / 82x68 1 2 / 125x50 2 / 2 1/230x70 b10 517 mm b11 380 mm h13 87 mm 11 1875 mm 12 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
2 / 82x68 1 2 / 125x50 2 / 2 1/230x70 b10 517 mm b11 380 mm h13 87 mm 11 1875 mm 12 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
1 2 / 125x50 2 / 2 1/230x70 b10 517 mm b11 380 mm 11 1875 mm 12 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3
2 / 125x50 2 / 2 1/230x70 b10 517 mm b11 380 mm 11 1875 mm 12 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3
2 / 2 1/230x70 b10 517 mm b11 380 mm h13 87 mm l1 1875 mm l2 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
1/230x70 b10 517 mm b11 380 mm h13 87 mm l1 1875 mm l2 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
b10 517 mm b11 380 mm h13 87 mm l1 1875 mm l2 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
b11 380 mm h13 87 mm l1 1875 mm l2 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
h13 87 mm l1 1875 mm l2 724 mm b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
I1 1875 mm I2 724 mm b1 832 mm s / e / I 60 mm / 180 mm / 1150 mm b3 680 mm
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I2 724 mm b1 832 mm s / e / I 60 mm / 180 mm / 1150 mm b3 680 mm
b1 832 mm s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
s / e / l 60 mm / 180 mm / 1150 mm b3 680 mm
b3 680 mm
m1 35 mm
m2 30 mm
Ast 2581 mm
Ast 2490 mm
Wa 1400 mm
h14 1050 mm
6 km/h / 6 km/h
0.10 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 / 180 Ah
24 1/ 100 All
183 kg

ES 414 - 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	1250	1050	850
Height at max capacity	mm	2700	2700	2700

Free Lift Duplex (FLD)	FLD 29	FLD 34	
h1 - Mast lowered height	mm	1940	2190
h2 - Mast free lift	mm	1420	1670
h3 - Mast lifting height	mm	2935	3435
h4 - Mast extended height	mm	3365	3865
Residual capacity at max height	kg	1250	1000
Height at max capacity	mm	2700	2700

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1890
h2 - Mast free lift	mm	1380
h3 - Mast lifting height	mm	4240
h4 - Mast extended height	mm	4678
Residual capacity at max height	kg	700
Height at max capacity	mm	2700



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