Technical sheet :



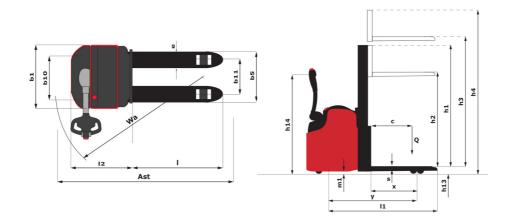




Technical charac	teristics
.1 Manufacturer	
2 Model Name	
3 Power source	
4 Operator type	
5 Max. capacity	
.6 Load center of gr	avity
.8 Distance from Lo	ad backrest to center of rear axle
.9 Wheelbase	
Weight	
.1 Service weight	
.2 Weight on front a	xle (laden) / rear axle (laden)
.3 Weight on front a	xle (Unladen) / rear axle (Unladen)
Wheels	
.1 Tires type	
.3 Number of load w	vheels / Size of load wheels
.4 Number of castor	r wheels
	izer wheels / Size of the stabilizer wheels
.5 Number of front w	wheels / rear wheels
	wheels / Size of drive wheels
.6 Front wheel gaug	
.7 Rear wheel gauge	
Dimensions	
15 Fork height in low	v position
19 Overall length	
20 Length to face of	forks
21 Overall width	
22 Forks section / w	ridth / lenath
24 Fork carriage wid	-
31 Ground clearance	
	e at centre of wheelbase
	allets 1000 x 1200 crossways
35 Turning radius	
.9 Height tiller max.	
Performances	
.1 Travel speed (lad	len / unladen)
.2 Lifting speed (lad	
.3 Lowering speed (
51 ((laden / unladen)
10 Service brake	
Engine	
.1 Drive motor rating	S2 60 min
2 Lift motor rating a	
5	to DIN 43531/35/36 A, B, C
.4 Battery voltage / c	
.5 Battery weight (+/	
Miscellaneous .1 Type of drive cont	trol

ES 414	Created on May 6, 2024 at 12:27:52 AM UTC
	Metric
	Manitou
	ES 414
	Electrical
	Pedestrian
Q	1400 kg
С	600 mm
x	723 mm
у	1285 mm
	911 kg
	808 kg / 1505 kg
	638 kg / 273 kg
	Polyurethane
	2 / 82x70
	1
	2 / 125x50
	2/2
	1/230x75
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
Ast	2200 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 / 250 Ah
	213 kg
	AC
	65 dB

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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