Technical sheet:

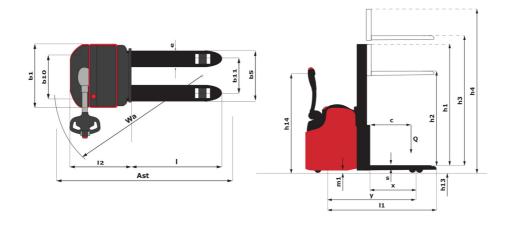
## **ES 414**





		<b>ES 414</b> GE	ated on August 12, 2025 at 7.52 PM
Technica	al characteristics		Metric
1.1 Manufac	turer		Manitou
1.2 Model Na	ame		ES 414
1.3 Power so	urce		Electrical
1.4 Operator	type		Pedestrian
1.5 Max. cap	pacity	Q	1400 kg
1.6 Load cer	nter of gravity	С	600 mm
1.8 Distance	from Load backrest to center of rear axle	х	684 mm
1.9 Wheelba	se	у	1245 mm
Weight			
2.1 Service w	veight		968 kg
	n front axle (laden) / rear axle (laden)		800 kg / 1624 kg
	n front axle (Unladen) / rear axle (Unladen)		684 kg / 284 kg
Wheels			5 5
3.1 Tires type			Polyurethane
	of load wheels / Size of load wheels		2 / 82x68
	of castor wheels		1
	of stabilizer wheels / Size of the stabilizer wheels		2 / 125x50
	of front wheels / rear wheels		2 / 2
	of drive wheels / Size of drive wheels		1/230x70
	eel gauge	b10	517 mm
	el gauge	b11	380 mm
Dimensio		511	300 111111
	pht in low position	h13	87 mm
4.19 Overall le	•	l1	1875 mm
	o face of forks	12	724 mm
4.21 Cerigii to		b1	832 mm
	ction / width / length	s / e / l	60 mm / 180 mm / 1150 mm
	iage width	b3	680 mm
	learance below mast	m1	35 mm
	elearance at centre of wheelbase	m2	30 mm 2581 mm
	dth for pallets 1000 x 1200 crossways	Ast	2381 IIIII 2490 mm
	th for 800 x 1200 pallet lengthways	Ast	
4.35 Turning r		Wa	1400 mm
4.9 Height til		h14	1050 mm
Performa			
	eed (laden / unladen)		6 km/h / 6 km/h
	peed (laden / unladen)		0.10 m/s / 0.24 m/s
	speed (laden / unladen)		0.30 m/s / 0.20 m/s
	deability (laden / unladen)		8 % / 10 %
5.10 Service b	rake		Electro magnetic
Engine			
	tor rating S2 60 min		1.20 kW
	or rating at S3 15%		3 kW
	ccording to DIN 43531/35/36 A, B, C		DIN 43535-B
	oltage / capacity		24 V / 180 Ah
	eight (+/- 5%)		183 kg
Miscella			
8.1 Type of c	drive control		AC
8.4 Sound le	vel at the driver's ear according to DIN 12 053		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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