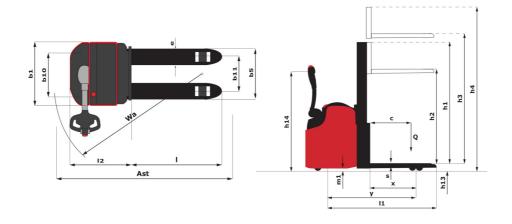
Technical sheet:

## ES 820 LI



characteristics  rer  ne ce pe city apacity on wrapover forks or of gravity  rom Load backrest to center of rear axle  ght front axle (laden) / rear axle (laden)  front axle (Unladen) / rear axle (Unladen)  load wheels / Size of load wheels castor wheels stabilizer wheels / Size of the stabilizer wheels	Q Q C X y	Metric Manitou ES 820 LI Electrical Pedestrian 2000 kg 2000 kg 600 mm 716 mm 1509 mm  1800 kg 1360 kg / 2500 kg
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rom Load backrest to center of rear axle  ght  front axle (laden) / rear axle (laden)  front axle (Unladen) / rear axle (Unladen)  load wheels / Size of load wheels  castor wheels  stabilizer wheels / Size of the stabilizer wheels	Х	716 mm 1509 mm 1800 kg 1360 kg / 2500 kg 1250 kg / 550 kg
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castor wheels stabilizer wheels / Size of the stabilizer wheels		
castor wheels stabilizer wheels / Size of the stabilizer wheels		4 / 82 x 68
stabilizer wheels / Size of the stabilizer wheels		1
		2 / 120 x 50
front wheels / rear wheels		3 / 4
drive wheels / Size of drive wheels		1/254x100
I gauge	b10	664 mm
gauge	b11	375 mm
S	511	373 11111
•	h5	110 mm
t in low position		86 mm
		2123 mm
		973 mm
		890 mm
		70 mm / 200 mm / 1150 mm
-		70 mm
		20 mm
		21 mm
		2572 mm
, , ,		2531 mm
		1719 mm
	h14 / h14	900 mm / 1400 mm
		6 km/h / 6 km/h
		0.11 m/s / 0.20 m/s
,		0.21 m/s / 0.22 m/s
		6 % / 10 %
ke		Electro magnetic
ii 00 (0 i		0.1.W
		2 kW
•		4 kW
		Traction
		24 V / 315 Ah
aht (+/- 5%)		273 kg
		270 Kg
ve control		DC
f d dti	ht in low position ngth face of forks dth  tition / width / length age width earance below mast earance at centre of wheelbase th for pallets 1000 x 1200 crossways th for 800 x 1200 pallet lengthways ddius er min. / max.  nees ede (laden / unladen) eed (laden / unladen) eability (laden / unladen) aake  or rating st S0 15% cording to DIN 43531/35/36 A, B, C  ltage / capacity eight (+/- 5%)	thit in low position has a page of forks and the first page of forks and the first page of forks and the first page width for page width for page width and the first page

## ES 820 LI - Dimensional drawing



## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1955	2205
h2 - Mast free lift	mm	1510	1760
h3 - Mast lifting height	mm	1510	1760
h4 - Mast extended height	mm	1965	2215
Residual capacity at max height	kg	2000	2000

Full Visibility Duplex (FVD)		FVD 29	FVD 34
h1 - Mast lowered height	mm	1955	2205
h3 - Mast lifting height	mm	2940	3440
h4 - Mast extended height	mm	3400	3900
Residual capacity at max height	ka	1600	1300

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	2205	2205
h2 - Mast free lift	mm	1510	1760
h3 - Mast lifting height	mm	2935	3435
h4 - Mast extended height	mm	3895	3895
Residual capacity at max height	kg	1600	1300

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	mm	1915	2075	2315
h2 - Mast free lift	mm	1470	1630	1880
h3 - Mast lifting height	mm	4250	4730	5460
h4 - Mast extended height	mm	4725	5205	5895
Residual capacity at max height	kg	750	550	450





## **Head Office**

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