Technical sheet:

ES 820 LI



1.1 Manufacturer Max 1.2 Model Name ES 1.3 Power source Elected 1.4 Operator type Ped 1.5 Max. capacity Q 20 1.51 Nominal capacity on wrapover forks Q 20 1.6 Load center of gravity c 60 1.8 Distance from Load backrest to center of rear axle x 67 1.9 Wheelbase y 146 Weight 2.1 Service weight 18 2.2 Weight on front axle (laden) / rear axle (laden) 1360 kg 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 1250 kg Wheels 3.1 Tires type Bar 3.3 Number of load wheels / Size of load wheels 2 /	
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3.3 Number of load wheels / Size of load wheels 2 / 3.4 Number of castor wheels	dogo
3.4 Number of castor wheels	-
3.4 Number of stabilizer wheels / Size of the stabilizer wheels 2 /	1
	/2
	54x100
	4 mm
3.3	5 mm
Dimensions	
	i mm
·	23 mm
	0 mm
	0 mm
4.22 Forks section / width / length s / e / l 70 mm / 200	mm / 1150 mm
4.24 Fork carriage width b3 70	0 mm
4.31 Ground clearance below mast m1 20) mm
4.32 Ground clearance at centre of wheelbase m2 21	mm
4.33 Aisle Width for pallets 1000 x 1200 crossways Ast 266	i0 mm
4.35 Tuming radius Wa 171	9 mm
4.9 Height tiller min. / max. h14 / h14 975 mm	/ 1375 mm
Performances	
5.1 Travel speed (laden / unladen) 6 km/h	/ 6 km/h
	/ 0.20 m/s
5.3 Lowering speed (laden / unladen) 0.22 m/s	/ 0.21 m/s
5.8 Max Gradeability (laden / unladen) 6 %	/ 10 %
	magnetic
Engine	
	kW
	kW
	ection
,	′ 315 Ah
, , , ,	'5 kg
Miscellaneous	g
	DC
	5 dB

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





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