Technical sheet:

ES 616 LI (5PTS)





Technical characteristics	
1.2 Model Name	
1.3 Power source	
1.4 Operator type Pedestrian 1.5 Max. capacity Q 1600 kg 1.6 Load center of gravity c 600 mm 1.8 Distance from Load backrest to center of rear axle x 848 mm 1.9 Wheelbase y 1492 mm Weight 1327 kg 2.1 Service weight 1246 kg / 167 2.2 Weight on front axle (laden) / rear axle (laden) 1246 kg / 167 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 1033 kg / 290 Wheels 3.1 Tires type Bandage 3.3 Number of load wheels / Size of load wheels 2 / 140x60 3.4 Number of stabilizer wheels / Size of the stabilizer wheels 1 / 140x60 3.5 Number of front wheels / rear wheels 2 / 4 3.5.2 Number of drive wheels / Size of drive wheels 1/230x70 3.6 Front wheel gauge b10 529 mm 3.7 Rear wheel gauge b10 380 mm	oint
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4.6 Initial lift h5 110 mm	
4.15 Fork height in low position h13 86 mm	
4.19 Overall length I1 2174 mm	
4.20 Length to face of forks I2 976 mm	
4.21 Overall width b1 800 mm	
4.22 Forks section / width / length	1190 mm
4.24 Fork carriage width b3 700 mm	
4.32 Ground clearance at centre of wheelbase m2 30 mm	
4.33 Aisle Width for pallets 1000 x 1200 crossways Ast 2399 mm	
4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2402 mm	
4.35 Tuming radius Wa 1588 mm	
4.9 Height tiller min. / max. h14 / h14 750 mm / 1250	0 mm
Performances	
5.1 Travel speed (laden / unladen) 6 km/h / 6 kr	m/h
5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30	0 m/s
5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22	2 m/s
5.8 Max Gradeability (laden / unladen) 7 % / 10 %	6
5.10 Service brake Electro magni	etic
Engine	
6.1 Drive motor rating S2 60 min 1.50 kW	
6.2 Lift motor rating at S3 15% 3 kW	
6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-	-В
6.4 Battery voltage / capacity 24 V / 180 A	Ah
6.5 Battery weight (+/- 5%) 189 kg	
Miscellaneous	
8.1 Type of drive control AC	
8.4 Sound level at the driver's ear according to DIN 12 053 65 dB	

ES 616 LI (5pts) - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1953	2203
h2 - Mast free lift	mm	1506	1756
h3 - Mast lifting height	mm	1506	1756
h4 - Mast extended height	mm	1960	2210
Residual capacity at max height	kg	1600	1600

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1953	2203
h2 - Mast free lift	mm	1506	1756
h3 - Mast lifting height	mm	2931	3431
h4 - Mast extended height	mm	3385	3885
Residual capacity at max height	kg	1300	1000

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1911
h2 - Mast free lift	mm	1466
h3 - Mast lifting height	mm	4246
h4 - Mast extended height	mm	4723
Residual capacity at max height	kg	600





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