Technical sheet:

ES 614 LI





Technical characteristics
1.2 Model Name
1.3 Power source
1.4 Operator type Pedestrian Pedestrian 1.5 Max. capacity Q 1400 kg 3086 lb 1.6 Load center of gravity c 6000 mm 24 in 1.8 Distance from Load backrest to center of rear axle x 8.48 mm 33 in 1.9 Wheelbase y 1492 mm 59 in Weight 2 1327 kg 2926 lb 2.1 Service weight 1237 kg 2951 lb 2.2 Weight on front axle (laden) / rear axle (laden) 1219 kg / 1503 kg 2687 lb / 3314 lb 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 1033 kg / 290 kg 2277 lb / 639 lb 3.1 Tires type Bandage Bandage Bandage 3.1 Number of load wheels / Size of load wheels 2 / 140x60 2 / 140x60 3.5 Number of front wheels / rear wheels 2 / 140x60 1 / 140x60 3.5 Number of front wheels / rear wheels 2 / 24 2 / 4 3.5 Number of front wheels / rear wheels bi0 529 mm
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4.32 Ground clearance at centre of wheelbase m2 30 mm 1 in 4.33 A isle Width for pallets 1000 x 1200 crossways Ast 2520 mm 99 in
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4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2435 mm 96 in 4.35 Tuming radius Wa 1849 mm 73 in
4.35 Tulling radius wa 1849 min 73 m
4.9 Height tiller min. / max. 1114/ 750 mm / 1250 mm 30 in / 49 in
Performances
5.1 Travel speed (laden / unladen) 4.50 km/h / 4.50 km/h 3 mph / 3 mph
5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 0.59 ft/s / 0.98 ft/s
5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 0.89 ft/s / 0.72 ft/s
5.8 Max Gradeability (laden / unladen) 7 % / 10 % 7 % / 10 %
5.10 Service brake Electro magnetic Electro magnetic Electro magnetic
Engine
6.1 Drive motor rating \$2.60 min 1.50 kW 1.50 kW
6.2 Lift motor rating at S3 15% 3 kW 3 kW
6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B DIN 43535-B
6.4 Battery voltage / capacity 24 V / 180 Ah 24 V / 180 Ah
6.5 Battery weight (+/- 5%) 189 kg 417 lb
Miscellaneous Costag
8.1 Type of drive control AC AC
8.4 Sound level at the driver's ear according to DIN 12 053 65 dB 65 dB

ES 614 LI - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	in (mm)	76.9 (1953)	86.7 (2203)
h2 - Mast free lift	in (mm)	59.3 (1506)	69.1 (1756)
h3 - Mast lifting height	in (mm)	59.3 (1506)	69.1 (1756)
h4 - Mast extended height	in (mm)	77.2 (1960)	87 (2210)
Residual capacity at max height	lb (kg)	3086 (1400)	3086 (1400)

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	in (mm)	76.9 (1953)	86.7 (2203)	94.6 (2403)
h3 - Mast lifting height	in (mm)	115.6 (2936)	135.3 (3436)	151 (3836)
h4 - Mast extended height	in (mm)	133.5 (3390)	153.1 (3890)	168.9 (4290)
Residual capacity at max height	lb (kg)	2866 (1300)	2315 (1050)	1764 (800)

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	in (mm)	76.9 (1953)	86.7 (2203)
h2 - Mast free lift	in (mm)	59.3 (1506)	69.1 (1756)
h3 - Mast lifting height	in (mm)	115.4 (2931)	135.1 (3431)
h4 - Mast extended height	in (mm)	133.3 (3385)	153 (3885)
Residual capacity at max height	lb (kg)	2866 (1300)	2315 (1050)

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	in (mm)	75.2 (1911)	81.5 (2071)	91.1 (2315)
h2 - Mast free lift	in (mm)	57.7 (1466)	64 (1626)	74 (1880)
h3 - Mast lifting height	in (mm)	167.2 (4246)	186.1 (4726)	215 (5460)
h4 - Mast extended height	in (mm)	185.9 (4723)	204.8 (5203)	232.1 (5895)
Residual capacity at max height	lb (kg)	1477 (670)	1036 (470)	992 (450)





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