Technical sheet:

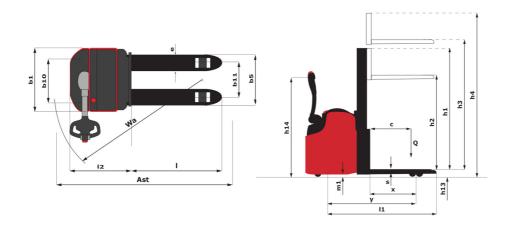
ES 616 LI (5PTS)





Technical characteristics			ESGIG LI (SFIS)	Orcated Off 1 May 2024 at 20.30.47 Of
1.3 Perst source Eschicial Spoint		Technical characteristics		Metric
1.3 Power source Pedestrian Pedestri	1.1	Manufacturer		Manitou
1.5 Max. capacity	1.2	Model Name		ES 616 LI 5 point
1.5 Mac. capacity 0 1500 kg 1.6 Los dealer of graty c 60 mm 1.8 Disance from Load backes to center of rear acle x 848 mm 1.9 Wheelbase y 1442 mm 2.1 Service weight or front axic (Idden) 1327 kg 1327 kg 2.2 Weight on front axic (Idden) / rear axic (Idden) 2 126 kg / 1670 kg 2.3 Weight on front axic (Idden) / rear axic (Idden) 2 1033 kg / 200 kg 3.1 Eites bye 8 Bandage 3.1 Eites bye 2 14 1400 G 3.2 Number of load wheels / Size of load wheels 2 2 / 14 050 G 3.3 Number of driew wheel / Size of load wheels 2 2 / 14 050 G 3.4 Norther of driew wheel / Size of load wheels 10 17 230 m 3.5 Norther of driew wheel / Size of driew wheels 10 17 230 m 4.5 For the height in low position 11 3 80 mm 4.5 Fox height in low position 11 2 97 6 mm	1.3	Power source		Electrical
1.0	1.4	Operator type		Pedestrian
1.9 Wheelbase Y 1492 mm	1.5	Max. capacity	Q	1600 kg
1.49	1.6	Load center of gravity	С	600 mm
Neight Sertice weight 1327 kg 1327 kg 1327 kg 1327 kg 1327 kg 1327 kg 1328 kg 1303 kg 1308 kg	1.8	Distance from Load backrest to center of rear axle	х	848 mm
	1.9	Wheelbase	у	1492 mm
		Weight		
Neight on front axis (Unladen) / rear axis (Unladen) Nonest	2.1	Service weight		1327 kg
Nime	2.2	Weight on front axle (laden) / rear axle (laden)		1246 kg / 1670 kg
3.1 Tires type Bandage 3.3 Number of Iolad wheels / Size of the stabilizer wheels 2 / 140x60 3.4 Number of front wheels / Izra of the stabilizer wheels 1 / 140x60 3.5 Number of front wheels / Izra of drive 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 b11 380 mm 4.6 Initial lift h5 110 mm 4.15 Fork height in low position h13 86 mm 4.19 Oweall length i1 2174 mm 4.20 Length to face of forks i2 976 mm 4.21 Oxeall width b1 80 mm 4.22 Fork section / width / length s / e / 1 60 mm / 185 mm / 119 mm 4.24 Fork section / width / length s / e / 1 60 mm / 185 mm / 119 mm 4.24 Fork section / width / length s / e / 1 60 mm / 185 mm / 119 mm 4.25 Ground clearance at centre of wheelbase m2 </td <td>2.3</td> <td>Weight on front axle (Unladen) / rear axle (Unladen)</td> <td></td> <td>1033 kg / 290 kg</td>	2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1033 kg / 290 kg
3.3 Number of load wheels / Size of the stabilizer wheels 2 / 140x60 3.4 Number of stabilizer wheels / Size of the stabilizer wheels 2 / 4 3.5. Number of forth wheels / rear wheels 2 / 4 3.5. Front wheel gauge b10 529 mm 3.6 Front wheel gauge b11 380 mm 3.7 Rear wheel gauge b11 380 mm 4.15 Fork height in low position h5 110 mm 4.15 Fork height in low position h13 86 mm 4.19 Overall length 11 2174 mm 4.19 Overall widh b1 800 mm 4.19 Overall widh b1 800 mm 4.21 Overall widh b1 800 mm 4.22 Fork section / widh / length 5 / 6 60 mm / 185 mm / 190 mm 4.22 Fork section / widh / length 5 / 6 60 mm / 185 mm / 190 mm 4.24 Fork cardiage widh b3 700 mm 4.24 Fork section / widh / length b3 700 mm		Wheels		
3.4 Number of stabilizer wheels 1/140x60 3.5 Number of front wheels / size of drive wheels 2 / 4 3.5 Number of front wheels / size of drive wheels 5 1/230x70 3.6 Front wheel gauge b10 529 mm 3.7 Rear wheel gauge b10 529 mm 3.7 Bear wheel gauge b10 380 mm 4.6 Initial lift B5 111 om 4.6 Initial lift B5 110 mm 4.19 Overall length 11 2174 mm 4.20 Length of see of forks 12 976 mm 4.21 Pork section / width / length b1 800 mm 4.22 Fork carriage width s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width s / e / l 60 mm / 185 mm / 1190 mm 4.33 Aliste width for sou x 200 pallet lengthways Ast </td <td>3.1</td> <td>Tires type</td> <td></td> <td>Bandage</td>	3.1	Tires type		Bandage
3.5. Number of front wheels / rear wheels 2 / 4 3.52 Number of front wheel syste of drive wheels / Size of drive wheels 529 mm 3.6 Front wheel gauge b10 529 mm 3.7 Rear wheel gauge b11 380 mm 4.15 Fork height in low position h13 86 mm 4.15 Fork height in low position h13 86 mm 4.19 Overall length 11 2.174 mm 4.20 Length to face of forks 12 9.76 mm 4.21 Forks section / width / length \$1 / 1 60 mm/ 185 mm / 1190 mm 4.22 Forks section / width / length \$1 / 2 9.76 mm 4.24 Fork section / width / length \$1 / 2 9.00 mm 4.24 Fork section / width / length \$1 / 2 9.00 mm 4.24 Fork section / width / length \$1 / 2 9.00 mm 4.24 Fork section / width / length \$1 / 2 9.00 mm 4.24 Fork section / width / length \$1 / 2 3.00 mm 4.25 Ground cle	3.3	Number of load wheels / Size of load wheels		2 / 140x60
3.5.2 Number of drive wheels / Size of drive wheels 1/230x70 3.6 Front wheel gauge b10 529 mm 4.6 Initial lift 55 110 mm 4.5 Fok height in low position h13 86 mm 4.19 Overall length l1 2174 mm 4.20 Length to face of foks l1 2174 mm 4.21 Coverall width b1 80 mm 4.22 Foks section / width / length s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fok carriage width b1 80 mm 4.24 Fok carriage width for pallets 1000 x 1200 crossways x / e / l 60 mm / 185 mm / 1190 mm 4.32 Coround clearance at centre of wheelbase m2 30 mm 4.34 Alsie width for pallets 1000 x 1200 crossways Ast 240c mm 4.34 Alsie width for 2000 x 1200 crossways Ast 240c mm 4.35 Lifting speed (lader / unlader) Wa 1588 mm 5.1 Travel speed (lader / unlader) 6 km/h / 6 km/h 5.2 Li	3.4	Number of stabilizer wheels / Size of the stabilizer wheels		1 / 140x60
3.6 Front wheel gauge b10 529 mm 3.7 Rear wheel gauge b10 380 mm 4.6 Initial lift b5 110 mm 4.15 Fork height in low position b13 86 mm 4.19 Length to face of forks 12 976 mm 4.21 Overall width b1 8000 mm 4.22 Fork section / width / length b3 9000 mm 4.24 Fork carriage width b3 700 mm 4.22 Forund clearance at centre of wheelbase m2 30 mm 4.23 Ground clearance at centre of wheelbase m2 30 mm 4.24 Aisle width for pollet lengthways Ast 2402 mm 4.24 Aisle width for pollet lengthways Ast 2402 mm 4.25 Turning adulus M8 75 mm/ 158 mm 5.1 Turning adulus Ast 2402 mm 5.2 Liffing speed (laden / unladen) Fore towns speed (laden / unla	3.5	Number of front wheels / rear wheels		2 / 4
3.6 Front wheel gauge b10 529 mm 3.7 Rear wheel gauge b11 380 mm 4.6 Initial lift h5 110 mm 4.15 Fork height in low position h13 86 mm 4.19 Overall length l1 2174 mm 4.20 Length to face of forks l2 976 mm 4.21 Overall width b1 800 mm 4.22 Fork section / width / length s / e / in 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width b3 700 mm 4.24 Fork carriage width for pallet s 1000 x 1200 crossways Ast 239 mm 4.24 Fork carriage width for 800 x 1200 pallet lengthways Ast 2400 mm 4.32 Alsie width for 800 x 1200 crossways Ast 2400 mm 4.32 Tuming radius Mx 1588 mm 4.9 Height tiller min. / max. Mx 2400 mm 5.1 Travel speed (laden / unladen) Mx 3.18 mm 5.2 Lifu speed (laden / unladen) <td< td=""><td>3.5.2</td><td>Number of drive wheels / Size of drive wheels</td><td></td><td>1/230x70</td></td<>	3.5.2	Number of drive wheels / Size of drive wheels		1/230x70
3.7 Rear wheel gauge b11 380 mm Dimensions C 4.6 Initial lift b5 110 mm 4.15 Fork height in low position h13 86 mm 4.19 Overall length 11 2174 mm 4.20 Length to face of forks 12 976 mm 4.21 Overall width b1 800 mm 4.22 Forks section / width / length 5 e / I 60 mm / 185 mm / 1190 mm 4.24 Fork canage width 5 g 700 mm 4.24 Fork canage width 5 g 700 mm 4.24 Fork canage width for 800 x 1200 crossways Ast 2399 mm 4.32 Alsile width for 800 x 1200 crossways Ast 2400 mm 4.33 Alsile width for 800 x 1200 pallet lengthways Ast 2400 mm 4.35 Tuning radius Ma 15 mm / 1250 mm 5.1 Travel speed (laden / unladen) Ma 15 mm / 1250 mm 5.2 Lowering speed (laden / unladen) 7 % 10 % 2 mm / 1250 mm	3.6		b10	
	3.7	Rear wheel gauge	b11	380 mm
4.15 Fork height in low position h13 86 mm 4.19 Overall length i1 212174 mm 4.20 Length to face of forks i2 976 mm 4.21 Overall width b1 800 mm 4.22 Fork section / width / length s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width b3 700 mm 4.24 Fork carriage width for pallets 1000 x 1200 crossways m2 30 mm 4.32 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 M8 1588 mm 4.9 Performances				
4.15 Fork height in low position h13 86 mm 4.19 Overall leight 11 2174 mm 4.20 Leigh to face of forks 12 976 mm 4.21 Overall width b1 800 mm 4.22 Fork section / width / leight s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width b3 700 mm 4.22 Ground clearance at centre of wheelbase m2 30 mm 4.32 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 M8 1588 mm 4.9 Height tiller min. / max. h14 / h14 75 mm / 1250 mm 5.1 Travel speed (laden / unladen) M8 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) M9 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) M9 0.27 m/s / 0.22 m/s 5.0 Bactive brake M9 7 % / 10 % 6.	4.6	Initial lift	h5	110 mm
4.20 Length to face of forks 12 976 mm 4.21 Overall width 51 800 mm 4.22 Forks section / width / length s / e / l 60 mm / 185 mm / 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 2402 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2402 mm 4.35 Tuming radius Ma 1588 mm 4.9 Height tiller min. / max. h14 / h14 750 mm / 1250 mm 5.1 Travel speed (laden / unladen) 5 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 5 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 5 7 % / 10 % 5.1 Sevice brake 5 7 % / 10 % 5.1 Sevice brake 1.50 kW 1.50 kW 6.1 Divie motor rating \$2.60 min \$ 3 kW 6.2 Lift motor rating at \$3.15% \$ 3 kW 6.3	4.15	Fork height in low position		86 mm
4.21 Overall width b1 800 mm 4.22 Forks section / width / length s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width b3 700 mm 4.22 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 h14 / h14 750 mm / 1250 mm 4.9 Height tiller min. / max. h14 / h14 750 mm / 1250 mm 5.1 Tavel speed (laden / unladen) 5 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 5 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 5 7 % / 10 % 5.0 Barciage ballity (laden / unladen) 5 7 % / 10 % 5.1 Engine 5 1.50 kW 6.1 Dive motor rating \$2.60 min \$ 1.50 kW 6.2 Lift motor rating at \$3.15% \$ 3 kW 6.3 Battey voltage / capacity \$ 3 kW	4.19	Overall length	I1	2174 mm
4.21 Overall width b1 800 mm 4.22 Forks section / width / length s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width b3 700 mm 4.22 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 mm 6.1 Travel speed (laden / unladen) 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.0 Engine 1.50 kW 6.1 Dive motor rating \$2 60 min 2 Electromagnetic 6.2 Lift motor rating \$2 60 min 3 kW 6.3 Battery voltage / capacity 3 kW 6.4 Battery voltage / capacity 2 2 V / 180 Ah 6.5 Battery voltage / capacity 3 kB 2 V / 1	4.20	Length to face of forks	12	976 mm
4.24 Fork carriage width b3 700 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.33 Alsle 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 mm Perfomances 5.1 Travel speed (laden / unladen) 6 km/h 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 7 % / 10 % 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.0 Service brake Electro magnetic Engine 6.1 Drive motor rating \$2.60 min 1.50 kW 6.2 Lift motor rating \$2.60 min \$3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C 9 IN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery wight (+/- 5%) 1 Battery weight (+/- 5%) 1 Battery weight (+/- 5%)	4.21		b1	800 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 mm Performances 5.1 Travel speed (laden / unladen) 6 km/h 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.8 Max Gradeability (laden / unladen) 0.27 m/s / 0.22 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.8 Max Gradeability (laden / unladen) 10 Electro magnetic 6.1 Brijke 1.50 kW 1.50 kW 6.1 Drive motor rating \$2.60 min 3 kW 1.50 kW 6.2 Lift motor rating at \$3.15% 2 Jikh (laden / unladen) 2 Jikh (laden / unladen) 2 Jikh (laden / unladen) 6.3 Battery	4.22	Forks section / width / length	s / e / l	60 mm / 185 mm / 1190 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 mm Formances 5.1 Travel speed (laden / unladen) C 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 7 % / 10 % 5.1 Service brake Electro magnetic Electro magnetic 6.1 Drive motor rating S2 60 min 3 kW 3 kW 6.2 Lift motor rating s2 50 min 3 kW 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 24 V / 180 Ah 6.4 Battery woltage / capacity 24 V / 180 Ah 189 kg 6.5 Battery weight (+/- 5%) 6 Battery weight (-/- 5%)	4.24		b3	700 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 mm Performances 5.1 Travel speed (laden / unladen) 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous AC	4.32	Ground clearance at centre of wheelbase	m2	30 mm
4.35 Tuming radius Wa 1588 mm 4.9 Height tiller min. / max. h14 / h14 750 mm / 1250 mm Performances 5.1 Travel speed (laden / unladen) 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating \$2 60 min 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C 3 kW 6.3 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous AC	4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2399 mm
4.9 Height tiller min. / max. h14 / h14 750 mm / 1250 mm Performances 5.1 Travel speed (laden / unladen) 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC	4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2402 mm
Performances Commander Commander 5.1 Travel speed (laden / unladen) 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 7 % / 10 % 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous Miscellaneous AC	4.35	Turning radius	Wa	1588 mm
5.1 Travel speed (laden / unladen) 6 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous AC	4.9	Height tiller min. / max.	h14 / h14	750 mm / 1250 mm
5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic Engine 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC		Performances		
5.2 Lifting speed (laden / unladen) 0.18 m/s / 0.30 m/s 5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic Engine 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC	5.1	Travel speed (laden / unladen)		6 km/h / 6 km/h
5.3 Lowering speed (laden / unladen) 0.27 m/s / 0.22 m/s 5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic Engine 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC	5.2			0.18 m/s / 0.30 m/s
5.8 Max Gradeability (laden / unladen) 7 % / 10 % 5.10 Service brake Electro magnetic Engine 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC	5.3	Lowering speed (laden / unladen)		0.27 m/s / 0.22 m/s
Electro magnetic Engine Electro magnetic 6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC				
Engine Common of Pating S2 60 min Common of Pating S2				
6.1 Drive motor rating \$2 60 min 1.50 kW 6.2 Lift motor rating at \$3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC	00			<u> </u>
6.2 Lift motor rating at S3 15% 3 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC	6.1	-		1.50 kW
6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43535-B 6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC				
6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC				
6.5 Battery weight (+/- 5%) 189 kg Miscellaneous 8.1 Type of drive control AC				
Miscellaneous 8.1 Type of drive control AC				
8.1 Type of drive control AC				
	8.1			AC
		7.		

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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