Technical sheet:

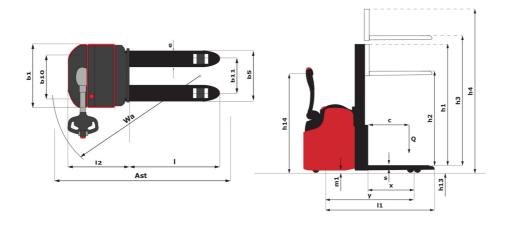
## **ES 614 LI (5PTS)**





Manifactuare	_	Technical characteristics		Metric
1.2   Model Name	1.1			
Max. capacity   Q				
1.5				
1.6   Load center of gravity   C   G00 mm     1.8				
1.5				*
1.9   Weelbare   Weight   We		- '		
New   Ne				
1.28 kg   1.28 kg   1.28 kg   1.28 kg   1.28 kg   1.00 kg / 1690	1.9		у	1393 mm
Weight on front axie (Unladen) / rear axie (Unladen)   905 kg / 375 kg				
Nice   Nice   Polyumena   Po		. , , , , , , , , , , , , , , , , , , ,		
3.1         Tires type         Polyuethane           3.3         Number of Isabilizer wheels / Size of Idea dwheels / Size of the stabilizer wheels         1.1720x 54           3.5         Number of front wheels / rear wheels         3.7 4           3.5         Number of front wheels / rear wheels         1.17230x70           3.6         Front wheel gauge         b10         558 mm           3.7         Rear wheel gauge         b11         380 mm           4.6         Initial lift         h5         110 mm           4.15         Fok height in low position         h13         86 mm           4.19         Overall length         h1         212         846 mm           4.19         Overall width         h1         212         846 mm           4.21         Overall width         s / e / l         60 mm / 185 mm / 1150 mm           4.22         Foks section / width / length         s / e / l         60 mm / 185 mm / 1150 mm           4.24         Foks section / width / length         s / e / l         60 mm / 185 mm / 1150 mm           4.24         Foks section / width / length         s / e / l         60 mm / 185 mm / 1150 mm           4.24         Foks section / width / length         s / e / l         60 mm / 185 mm / 1150 mm	2.3			905 kg / 375 kg
3.3       Number of load wheels / Size of load wheels       4 / 82 x 68         3.4       Number of stabilizer wheels / Size of the stabilizer wheels       1 / 120 x 54         3.5       Number of furthweels / raar wheels       3 / 4         3.5.2       Number of drive wheels / Size of drive wheels       50       1 / 220x70         3.6       From wheel gauge       b10       558 mm         3.7       Rear wheel gauge       b11       380 mm         4.6       Initial lift       h5       110 mm         4.15       For height in low position       h13       86 mm         4.19       Overall length       11       2137 mm         4.20       Length to face of forks       12       346 mm         4.21       Overall width       b1       800 mm         4.22       Fork section / width / length       5 / 1       60 mm / 185 mm / 1150 mm         4.24       Fork carriage width       3 / 700 mm       2       2 4 mm         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       2 40 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2 40 mm         4.9       Height tiller min. / max.       h14 / h14       750 mm / 1250 mm         5.1		Wheels		
3.4         Number of stabilizer wheels / Size of the stabilizer wheels         3 / 4           3.5         Number of front wheels / Fize of drive wheels         3 / 4           3.5         Number of front wheels / Size of drive wheels         5 (12230070)           3.6         Front wheel gauge         b10         558 mm           3.7         Rear wheel gauge         b10         558 mm           3.7         Rear wheel gauge         b10         558 mm           4.6         Initial lif         b5         110 mm           4.5         For height in low position         h13         66 mm           4.19         Overall length         11         2137 mm           4.20         Length of face of forks         12         846 mm           4.21         Porks section / width / length         5 / (60 mm / 185 mm / 1150 mm           4.22         Fork carriage width         5 / (60 mm / 185 mm / 1150 mm           4.24         Fork carriage width         5 / (60 mm / 185 mm / 1150 mm           4.24         Aisle width for pallets 1000 x 1200 crossways         Ast         239 mm           4.34         Aisle width for pallets 1000 x 1200 crossways         Ast         240 mm           4.5         Height tiller min. / max.         h14 / h14         750 mm	3.1	Tires type		Polyurethane
3.5.2       Number of front wheels / rear wheels       3 / 4         3.5.2       Number of drive wheels / Size of drive wheels       1/220x70         3.6       Front wheel gauge       b10       558 mm         3.7       Rear wheel gauge       b11       380 mm         4.6       Initial lift       5.5       110 mm         4.15       Fork height in low position       h13       86 mm         4.19       Overall length       11       2137 mm         4.20       Length to face of forks       12       846 mm         4.21       Overall width       b1       80 mm         4.22       Forks section / width / length       5 / e / l       60 mm / 155 mm / 1150 mm         4.24       Forks section / width / length       5 / e / l       60 mm / 155 mm / 1150 mm         4.22       Forks section / width / length       5 / e / l       60 mm / 155 mm / 1150 mm         4.24       Fork section / width / length       8 / e / l       60 mm / 155 mm / 1150 mm         4.24       Fork section / width / for pollet lengthways       Ast       2 202 mm         4.33       Aisle width for 800 x 1200 pallet lengthways       Ast       2 202 mm         4.9       Height tiller min / max.       h14 / h14       750 mm / 150 mm	3.3	Number of load wheels / Size of load wheels		4 / 82 x 68
3.5.2         Number of drive wheels / Size of drive wheels         1/230x70           3.6         Front wheel gauge         b10         558 mm           3.7         Rear wheel gauge         b11         380 mm           Dimensions	3.4	Number of stabilizer wheels / Size of the stabilizer wheels		1 / 120 x 54
3.6       Front wheel gauge       b10       558 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       Uerall length       l1       2137 mm         4.20       Length to face of forks       l2       846 mm         4.21       Overall width       b1       800 mm         4.22       Fork section / width / length       5 / 61       60 mm / 185 mm / 1150 mm         4.24       Fork camage width       5 / 61       60 mm / 185 mm / 1150 mm         4.24       Fork camage width for pallets 1000 x 1200 crossways       Ast       24 mm         4.23       Alsie width for 800 x 1200 pallet lengthways       Ast       2402 mm         4.33       Alsie width for 800 x 1200 pallet lengthways       Ast       2402 mm         4.34       Alsie width for 800 x 1200 pallet lengthways       Ast       2402 mm         4.9       Height tiller min./ max.       Max       1597 mm         5.1       Travel speed (laden / unladen)       Max       6 km/h / 6 km/h         5.2       Liffu speed (laden / unladen)       0.18 m/s / 0.30 m/s         5.0	3.5	Number of front wheels / rear wheels		3 / 4
3.7         Rear wheel gauge         b11         380 mm           Dimensions         Command         Command           4.6         Initial lift         h5         110 mm           4.15         Fork height in low position         h13         86 mm           4.19         Overall length         11         2137 mm           4.20         Length to face of forks         12         846 mm           4.21         Overall width         b1         800 mm           4.22         Fork section / width / length         5 / e/1         60 mm / 185 mm / 1150 mm           4.24         Fork carriage width         5         60 mm / 185 mm / 1150 mm           4.22         Fork carriage width for gallets 1000 x 1200 crossways         Ast         23 mm           4.32         Ground clearnea cat earther of wheelbase         m2         2 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         Ma         1597 mm           5.1         Travel speed (lader / unlader)         6 km/h / 6 km/h           5.2         Lifting speed (lader / unlader)         7 % /	3.5.2	Number of drive wheels / Size of drive wheels		1/230x70
Dimensions	3.6	Front wheel gauge	b10	558 mm
4.6         Initial lift         h5         110 mm           4.15         Fork height in low position         h13         86 mm           4.19         Overall length         l1         2137 mm           4.20         Length to face of forks         l2         846 mm           4.21         Overall width         b1         800 mm           4.22         Fork searings width         b3         700 mm           4.24         Fork carriage width         b3         700 mm           4.32         Ground clearance at centre of wheelbase         m2         24 mm           4.33         Alsie width for pallets 1000 x 1200 pallet lengthways         Ast         2399 mm           4.34         Alsie width for 800 x 1200 pallet lengthways         Ast         2402 mm           4.35         Tuming radius         M8         1597 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)         0.18 m/s / 0.30 m/s         10.18 m/s / 0.30 m/s           5.3         Lowering speed (laden / unladen)         7 % / 10 %         10.27 m/s / 0.22 m/s           5.8 <td>3.7</td> <td>Rear wheel gauge</td> <td>b11</td> <td>380 mm</td>	3.7	Rear wheel gauge	b11	380 mm
4.15       Fork height in low position       h13       86 mm         4.19       Overall length       11       2137 mm         4.20       Length to face of forks       12       846 mm         4.21       Overall width       b1       800 mm         4.22       Fork section / width / length       \$ /e / I       60 mm / 185 mm / 1150 mm         4.24       Fork carriage width       b3       700 mm         4.24       Fork carriage width for pallets 1000 x 1200 crossways       Ast       2 24 mm         4.32       Asise width for 800 x 1200 pallet lengthways       Ast       2 290 mm         4.33       Asise width for 800 x 1200 pallet lengthways       Ast       2 400 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2 400 mm         4.39       Turning radius       Wa       1 597 mm         4.9       Height tiller min. / max.       h114 / h14       750 mm / 1250 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)       7 % / 10 %         5.1       Service brake       Electro magnetic         6.1       Drive		Dimensions		
4.19       Overall length       I1       2137 mm         4.20       Length to face of forks       I2       846 mm         4.21       Overall width       b1       800 mm         4.22       Forks section / width / length       s / e / I       60 mm / 185 mm / 1150 mm         4.24       Fork carriage width       b3       700 mm         4.22       Ground clearance at centre of wheelbase       m2       24 mm         4.33       Aisle width for pallets 1000 x 1200 crossways       Ast       2399 mm         4.34       Aisle width for gallets 1000 x 1200 crossways       Ast       2402 mm         4.35       Tuming radius       Wa       1597 mm         4.9       Height tiller min. / max.       h14 / h14       750 mm / 1250 mm         4.9       Height tiller min. / max.       h14 / h14       750 mm / 1250 mm         5.1       Tavel speed (laden / unladen)       5.0       6.0 km/h / 6 km/h         5.2       Lifting speed (laden / unladen)       5.0       6.0 km/h / 6 km/h         5.3       Lowering speed (laden / unladen)       7.8 / 10.3       7.8 / 10.3         5.1       Service brake       5.0 km/h / 6 km/h       6.0 km/h / 6 km/h         6.1       Dive motor rating s2 60 min       3. kW	4.6	Initial lift	h5	110 mm
4.20       Length to face of forks       12       846 mm         4.21       Overall width       b1       800 mm         4.22       Forks section / width / length       s / e / l       60 mm / 185 mm / 1150 mm         4.24       Fork carriage width       b3       700 mm         4.32       Ground clearance at centre of wheelbase       m2       24 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       Ma       1597 mm         4.9       Height tiller min. / max.       h14 / h14       750 mm / 1250 mm         4.9       Height tiller min. / max.       h14 / h14       750 mm / 1250 mm         5.1       Travel speed (laden / unladen)       0.18 m/s / 0.30 m/s       0.18 m/s / 0.30 m/s         5.2       Lifting speed (laden / unladen)       0.18 m/s / 0.32 m/s       0.27 m/s / 0.22 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       Divie motor rating \$2.50 min       3.150 kW       3 kW         6.2       <	4.15	Fork height in low position	h13	86 mm
4.21       Overall width       b1       800 mm         4.22       Forks section / width / length       s / e / l       60 mm / 185 mm / 1150 mm         4.24       Fork carriage width       b3       700 mm         4.32       Ground clearance at centre of wheelbase       m2       24 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       1597 mm         4.9       Height tiller min. / max.       h14 / h14       750 mm / 1250 mm         5.1       Tavel 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 %         5.8       Service brake       Electromagnetic         6.1       Dive motor rating \$2.60 min       1.50 kW         6.2       Lift motor rating \$2.60 min       3 kW         6.3       Battery voltage / capacity       3 kW         6.4       Battery voltage / capacity       24 V / 180 Ah         6	4.19	Overall length	l1	2137 mm
4.22       Forks section / width / length       s / e / l       60 mm / 185 mm / 1150 mm         4.24       Fork carriage width       b3       700 mm         4.32       Ground clearance at centre of wheelbase       m2       24 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       1597 mm         4.9       Height tiller min. / max.       b14 / 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)       0.27 m/s / 0.22 m/s         5.8       Max Gradeability (laden / unladen)       7 % / 10 %         5.1       Service brake       Electro magnetic         6.1       Dive motor rating \$2.60 min       1.50 kW         6.2       Lift motor rating \$2.60 min       3 kW         6.3       Battery voltage / capacity       3 kW         6.4       Battery voltage / capacity       2 DIN 43535-B         6.4       Battery voltage / capacity <td>4.20</td> <td>Length to face of forks</td> <td>12</td> <td>846 mm</td>	4.20	Length to face of forks	12	846 mm
4.24       Fork carriage width       b3       700 mm         4.32       Ground clearance at centre of wheelbase       m2       24 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       1597 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 %         5.9       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 woltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellan	4.21	Overall width	b1	800 mm
4.32       Ground clearance at centre of wheelbase       m2       24 mm         4.33       A isle Width for pallets 1000 x 1200 crossways       Ast       2399 mm         4.34       A isle width for 800 x 1200 pallet lengthways       Ast       2402 mm         4.35       Turning radius       Wa       1597 mm         4.9       Height tiller min. / max.       h14 / h14       750 mm / 1250 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       Dive motor rating S2 60 min       1.50 kW         6.2       Lift motor rating S2 60 min       3 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43535-B         6.4       Battery wlage / capacity       24 V / 180 Ah         6.5       Battery wlage / capacity       220 kg         Miscellaneous       AC	4.22	Forks section / width / length	s / e / l	60 mm / 185 mm / 1150 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       1597 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)       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 woltage / capacity       24 V / 180 Ah         6.5       Battery weight (#/- 5%)       220 kg         Miscellaneous         8.1       Type of drive control       AC	4.24	Fork carriage width	b3	700 mm
4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2402 mm         4.35       Tuming radius       Wa       1597 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         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       3 kW         6.4       Battery voltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous         8.1       Type of drive control       AC	4.32	Ground clearance at centre of wheelbase	m2	24 mm
4.35       Tuming radius       Wa       1597 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         Engine         6.1       Drive motor rating \$2 60 min       1.50 kW         6.2       Lift motor rating \$2 50 min       3 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%)       220 kg         Miscellaneous         8.1       Type of drive control       AC	4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2399 mm
4.35       Tuming radius       Wa       1597 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         Engine         6.1       Drive motor rating \$2 60 min       1.50 kW         6.2       Lift motor rating \$2 50 min       3 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%)       220 kg         Miscellaneous         8.1       Type of drive control       AC	4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2402 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 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-B         6.4       Battery voltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous       Miscellaneous       AC	4.35			1597 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           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-B           6.4         Battery voltage / capacity         24 V / 180 Ah           6.5         Battery weight (+/- 5%)         220 kg           Miscellaneous           8.1         Type of drive control         AC		-		750 mm / 1250 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 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-B         6.4       Battery voltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous       Miscellaneous         8.1       Type of drive control       AC		-		
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 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-B         6.4       Battery voltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous         8.1       Type of drive control       AC	5.1			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 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-B         6.4       Battery voltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous         8.1       Type of drive control       AC				
5.8       Max Gradeability (laden / unladen)       7 % / 10 %         5.10       Service brake       Electro magnetic         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-B         6.4       Battery voltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous         8.1       Type of drive control       AC				
Electro magnetic         Engine       Colspan="2">Colspan="2				
Engine         Common of Table of March 1.50 kW           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%)         220 kg           Miscellaneous         AC				
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-B         6.4       Battery voltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous         8.1       Type of drive control       AC	0.10			Licono magneno
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%)       220 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%)       220 kg         Miscellaneous         8.1       Type of drive control       AC				
6.4       Battery voltage / capacity       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous         8.1       Type of drive control       AC				
6.5       Battery weight (+/- 5%)       220 kg         Miscellaneous         8.1       Type of drive control       AC				
Miscellaneous  8.1 Type of drive control  AC				
8.1 Type of drive control AC	0.0			220 Kg
,,	0 1			40
	8.4	Sound level at the driver's ear according to DIN 12 053		65 dB

## ES 614 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	1400	1400

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	1200	950

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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