Technical sheet:

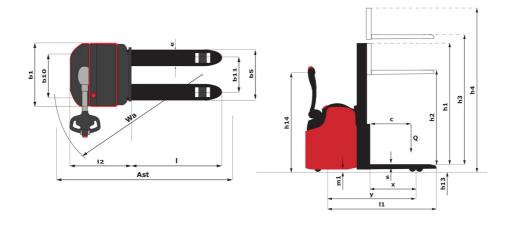
## ES 616 LI





Technical characteristies			230:02: 0	cated on May 5, 2024 at 7.24.151 W 5
1.3   Power source		Technical characteristics		Metric
1.4   Operator pre-	1.1	Manufacturer		Manitou
1.5	1.2	Model Name		ES 616 LI
1.5         Max. capacity         0         500 mm           1.8         Distance from Load backest to center of near axie         x         846 mm           1.9         Wheelbase         x         946 mm           2.1         Service weight	1.3	Power source		Electrical
1.6	1.4	Operator type		Pedestrian
1.6	1.5	Max. capacity	Q	1600 kg
1.5   Statuce from Loud backrest to center of rear axie   y   1427 mm			C	*
	1.8	Distance from Load backrest to center of rear axle	X	848 mm
2.1   Service weight   1327 kg   1224 kg   1670 kg   1246 kg   1670 kg   1033 kg / 290 kg   290 kg / 290	1.9	Wheelbase	٧	1492 mm
2.1   Service weight   1327 kg   1224 kg   1670 kg   1246 kg   1670 kg   1033 kg / 290 kg   290 kg / 290		Weight		
	2.1			1327 kg
	2.2	•		*
	2.3	- , , , ,		
3.1         Tires type         Bandage           3.3         Number of load wheels / Size of the stabilizer wheels         2 / 1 40x60           3.4         Number of forth wheels / Size of the stabilizer wheels         1 / 1 / 140x60           3.5         Number of forth wheels / Izer wheels         2 / 4           3.5.2         Number of frive wheels / Size of drive wheels         1 / 230x70           3.6         Front wheel gauge         b10         529 mm           3.7         Bear wheel gauge         b11         380 mm           4.6         Initial lift         h5         110 mm           4.15         Fork helph to position         h13         86 mm           4.19         Overall length         11         2124 mm           4.20         Length to face of forks         12         976 mm           4.21         Overall width         b1         800 mm           4.22         Fork section / width length         b1         800 mm           4.22         Forks section / width length         b3         700 m           4.24         Fork carriage width         b3         700 m           4.23         Gisel Width for all sets too one sways         Ast         2520 mm           4.33         Asite width				<u>j</u> <u>j</u>
3.3         Number of load wheels / Size of load wheels         2 / 140x60           3.4         Number of foot stabilizer wheels / Size of the stabilizer wheels         2 / 4           3.5         Number of fort wheels / Size of drive wheels         2 / 4           3.5.2         Number of drive wheels / Size of drive wheels         b10         529 mm           3.6         Font wheel gauge         b11         380 mm           4.6         Initial lift         5         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         Fork section / width / length         5 / e / 1         60 mm / 185 mm / 1190 mm           4.22         Fork carriage width         b1         800 mm           4.23         Circund clearance at cente of wheelbase         m2         30 mm           4.32         Circund clearance at cente of wheelbase         m2         30 mm           4.33         Asiste width for 800 x 1200 pallet length ways         Ast         2250 mm           4.34         Turning adus	3.1			Bandage
3.4         Number of stabilizer wheels / Size of the stabilizer wheels         1 / 140x60           3.5         Number of from wheels / Izer a wheels         2 / 4           3.6         Front wheel gauge         b10         529 mm           3.7         Rear wheel gauge         b10         529 mm           4.6         Initial lift         h5         110 mm           4.15         Fork height in low position         h1         2174 mm           4.19         Overall length         l1         2174 mm           4.20         Length of ace of forks         l2         976 mm           4.21         Overall width / length         s / e / l         60 mm / 185 mm / 1190 mm           4.22         Fork section / width / length         s / e / l         60 mm / 185 mm / 1190 mm           4.22         Fork cariage width         s / e / l         60 mm / 185 mm / 1190 mm           4.23         Ground clearance at centre of wheelbase         m2         30 mm           4.23         Ground clearance at centre of wheelbase         m2         30 mm           4.33         Aisle width for pallets 1000 x 1200 crossways         Ast         2435 mm           4.35         Tuming adule         Wa         1588 mm           4.9         Height till		**		*
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         5,29 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         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         s / e/1         60 mm / 185 mm / 1190 mm           4.22         Forks section / width / length         s / e/1         60 mm / 185 mm / 1190 mm           4.23         Ground clearance at centre of wheelbase         m2         30 mm           4.32         Aisle width for R80 x 1200 pallet lengthways         Ast         2.230 mm           4.33         Aisle width for R80 x 1200 pallet lengthways         Ast         2.2435 mm           4.39         Tuming radius         Wa         158 mm           5.1         Travel speed (laden / unladen)				
3.5.2       Number of drive wheels / Size of drive wheels       1/230x70         3.6       Front wheel gauge       b11       529 mm         Olmenstons         4.6       Initial lift       h5       110 mm         4.5       Pork height in low position       h13       86 mm         4.19       Overall length       11       2174 mm         4.20       Length of face of forks       12       976 mm         4.21       Overall width       b1       800 mm         4.22       Fork section / width / length       5 /e / I       60 mm / 185 mm / 1190 mm         4.24       Fork carriage width       b3       700 m         4.24       Fork carriage width       s /e / I       60 mm / 185 mm / 1190 mm         4.24       Fork carriage width or 80 x 1200 crossways       Ast       23 0 mm         4.34       Alsie width for 80 x 1200 pallet lengthways       Ast       235 mm         4.35       Tuming radius       Wa       1588 mm         4.94       Height tiller min. / max.       h14 /h14       750 mm / 1250 mm         5.1       Tavel speed (laden / unladen)       0 6 km/h / 6 km/h         5.2       Lifting speed (laden / unladen)       0 18 mm s / 0.30 m/s <td< td=""><td></td><td></td><td></td><td></td></td<>				
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         11         2174 mm           4.20         Length to face of forks         12         976 mm           4.21         Overall width         5   1         800 mm           4.22         Fork section / width / length         5   1         800 mm           4.22         Fork carriage width         5   6         800 mm           4.24         Fork carriage width         5   6         800 mm           4.32         Ground clearance at centre of wheelbase         m2         30 mm           4.33         A lise Width for gold x 1200 palet lengthways         Ast         250 mm           4.34         A lise width for gold x 1200 palet lengthways         Ast         2435 mm           4.39         Tuming adius         Wa         1588 mm           4.9         Performances         1         6 km/h / 6 km/h           5.1         Travel speed (laden / unladen)         6 km/h / 6 km/h         6 km/h / 6 k				
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/1         60 mm / 185 mm / 1190 mm           4.24         Fork carriage width         b3         700 m           4.23         Ground clearnce at centre of wheelbase         m2         30 mm           4.32         Ground clearnce at eventre of wheelbase         m2         30 mm           4.33         Alsle Width for pallets 1000 x 1200 crossways         Ast         2520 mm           4.34         Alse width for 800 x 1200 pallet lengthways         Ast         2435 mm           4.35         Tuming radius         Ma         158 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         Lifring speed (laden / unla			b10	
Dimensions				
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         b1         800 mm           4.24         Fork carriage width         b3         700 m           4.32         Ground clearance at centre of wheelbase         m2         30 mm           4.33         Aisle width for pallest 1000 x 1200 pallet lengthways         Ast         2520 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         2435 mm           4.35         Turning radius         Wa         1588 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           5.3         Lowering speed (laden / unladen)         0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s <tr< td=""><td></td><td></td><td></td><td></td></tr<>				
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       Fork section / width / length       s / e / l       60 mm / 185 mm / 1190 mm         4.24       Fork carriage width       b3       700 m         4.32       Ground clearance at centure of wheelbase       m2       30 mm         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       2520 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 mm         4.35       Tuming radius       Ma       1588 mm         4.9       Performances       1       75 mm / 1250 mm         5.1       Tavel speed (laden / unladen)       Ma       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         5.1       Service brake       Electro magnetic         6.1       Drive motor rating 25 0 min       3 kW         6.2       Lift motor rating at S3 15%       3 kW	4.6		h5	110 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       s / e / l       60 mm / 185 mm / 1190 mm         4.24       Fork cariage width       b3       700 m         4.32       Ground clearance at centre of wheelbase       m2       30 mm         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       2520 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 mm         4.35       Tuming radius       Wa       1588 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       6 km/h / 6 km/h         5.2       Lifting speed (laden / unladen)       0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s         5.8       Max Gradeability (laden / unladen)       7 % / 10 %       Electro magnetic         5.10       Service brake       Electro magnetic       Electro magnetic         6.1       Drive motor rating s 260 min       1.50 kW       3 kW         6.2       Lift motor rating a S 3 15%				
4.20       Length to face of forks       12       976 mm         4.21       Overall width       b1       800 mm         4.22       Forks section / width / length       s / e / I       60 mm / 185 mm / 1190 mm         4.24       Fork carriage width       b3       700 m         4.32       Ground clearance at centre of wheelbase       m2       30 mm         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       2520 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 mm         4.35       Tuming radius       Wa       1588 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         5.3       Lowering speed (laden / unladen)       7 % / 10 %         5.10       Service brake       Electro magnetic         Engline       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				
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 m         4.32       Ground clearance at centre of wheelbase       m2       30 mm         4.33       Alsile Width for pallets 1000 x 1200 crossways       Ast       2520 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 mm         4.35       Tuming radius       Wa       1588 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       0.18 m/s / 0.30 m/s         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 %         5.8       Max Gradeability (laden / unladen)       7 % / 10 %       5.10         5.10       Sevice brake       Electro magnetic       1.50 kW         6.1       Divie motor rating 82 60 min       3 kW       3 kW         6.2       Lift motor rating at S3 15%       3 kW       3 kW         6.3       Battery volta		-		
4.22       Forks section / width / length       s / e / l       60 mm / 185 mm / 1190 mm         4.24       Fork carriage width       b3       700 m         4.32       Ground clearance at centre of wheelbase       m2       30 mm         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       2520 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 mm         4.35       Tuming radius       Wa       1588 mm         4.9       Height tiller min. / max.       h14 / h14       750 mm / 1250 mm         4.9       Performances       ************************************				
4.24       Fork carriage width       b3       700 m         4.32       Ground clearance at centre of wheelbase       m2       30 mm         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       2520 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 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         Engine         6.1       Drive motor rating \$2.60 min       1.50 kW         6.2       Lift motor rating \$2.60 min       1.50 kW         6.2       Lift motor rating \$2.70 min       3 kW         6.3       Battery voltage / capacity       24 V / 180 Ah         6.4       Battery woltage / capacity       24 V / 180 Ah         6.5       Battery weig				
4.32       Ground clearance at centre of wheelbase       m2       30 mm         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       2520 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 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         Engine         6.1       Drive motor rating \$2.60 min       1.50 kW         6.2       Lift motor rating \$2.50 min       1.50 kW         6.2       Lift motor rating \$2.50 min       1.50 kW         6.3       Battery socroding to DIN 43531/35/36 A, B, C       DIN 43535-B         6.4       Battery weight (+/- 5%)       189 kg         Miscellaneous         8.1       Type of drive control       AC				
4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       2520 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 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         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		-		
4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2435 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         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				
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)       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 s2 50 min       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%)       189 kg         Miscellaneous       AC				
Height tiller min. / max.		· · · · · ·		
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%)         189 kg           Miscellaneous           8.1         Type of drive control         AC		•		
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%)       189 kg         Miscellaneous         8.1       Type of drive control       AC	4.7		,	, 66, 1266
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%)       189 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%)       189 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%)       189 kg         Miscellaneous         8.1       Type of drive control       AC				
Electro magnetic         Engine       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%)       189 kg         Miscellaneous         8.1       Type of drive control       AC				
Engine         Companies           6.1         Drive motor rating S2 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				
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	0.10			Licotto magnetto
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	6.1	-		1 50 kW
6.3 Battery according to DIN 43531/35/36 A, B, C  6.4 Battery voltage / capacity  6.5 Battery weight (+/- 5%)  Miscellaneous  8.1 Type of drive control  Battery according to DIN 43531/35/36 A, B, C  DIN 43535-B  24 V / 180 Ah  189 kg  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	0.0			107 kg
.,	9.1			Λ.
		7		

## ES 616 LI - 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

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1953	2203	2403
h3 - Mast lifting height	mm	2936	3436	3836
h4 - Mast extended height	mm	3390	3890	4290
Residual capacity at max height	kg	1350	1100	850

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	1350	1100

Free Lift Triplex (FLT)	FLT 42	FLT 47	FLT 54	
h1 - Mast lowered height	mm	1911	2071	2315
h2 - Mast free lift	mm	1466	1626	1880
h3 - Mast lifting height	mm	4246	4726	5460
h4 - Mast extended height	mm	4723	5203	5895
Residual capacity at max height	kg	670	500	450





## **Head Office**

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