Technical sheet:

## **ER 12**



Maurifacture		Technical characteristics		Metric	
Flectifical	1.1	Manufacturer		Manitou	
1.5   Max. capacity   Q   1.200 kg     1.6   Load enter of gravity   C   G00 mm     1.8   Load enter of gravity   C   G00 mm     1.8   Load enter of gravity   C   G00 mm     1.9   Weelbase   Y   1.378 mm     1.0   Weelbase   Y   1.378 mm     1.1   Weelbase   Y   1.378 mm     1.2   Weelbase   Y   1.378 mm     1.3   Weelbase   Y   1.378 mm     1.3   Weelbase   Y   Wilkolian     1.3   Tiers type   Wilkolian     3.5   Number of drive wheels - Size of drive wheels   1 x 355 x 155     3.3   Number of front wheel grave whels   1 x 255 x 155     3.5   Number of front wheel grave whels   1 x 200 x 85     3.6   First wheel graupe   D10   Omm     4.8   Satisfy a thing the grave whele   D11   995 mm     5   Weelbase   Wilkolian     4.8   Satisfy a thing the grave whele   D11   995 mm     5   Wilkolian   Wilkolian   Wilkolian     4.8   Satisfy a thing the grave whele   D11   995 mm     5   Wilkolian   Wi	1.2	Model Name		ER 12	
1.5         Max. capacily         0         1200 kg           1.6         Load distance, certive of drive asks to fook         x         335 mm           1.9         Wheelbase         y         1378 mm           2.1         Service weight	1.3	Power source		Electrical	
1.6	1.4	Operator type		Seated	
1.0   Wheelbase   Y   1378 mm   Y   1378 m	1.5	Max. capacity	Q	1200 kg	
Nicolate   Nicolate	1.6	Load center of gravity	С	600 mm	
	1.8	Load distance, centre of drive axle to fork	х	335 mm	
Service weight   Service weight   Service weight   Service   Service weight   Service   Servic	1.9	Wheelbase	у	1378 mm	
Wikele   W		Weight			
1	2.1	Service weight		2580 kg	
3.5.2         Number of drive wheels - Size of drive wheels         1 x 355 x 155           3.3         Number of float wheels - Size of load wheels         2 x 220 x 85           3.5         Number of float wheels / rear wheels         1 1 / 2           3.6         Front wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b10         995 mm           Dimensions           4.8         Sea thelphytand height         h7         1077 mm           4.9         Overall length         11         2431 mm           4.20         Length to face of forks         12         1263 mm           4.21         Overall width         b1         1120 mm           4.22         Fork section / width / length         s / e / t         40 mm x 100 mm         1150 mm           4.23         Fork section / width / length         s / e / t         40 mm x 100 mm         1150 mm           4.23         Fork cariage ISO 2238 (class / form) A/B         s / e / t         40 mm x 100 mm         1150 mm           4.24         Pork cariage ISO 2238 (class / form) A/B         b5         316 mm / 697 mm         142 mm         425 mm / 697 mm         425 mm		Wheels			
3.3         Number of load wheels - Size of load wheels         2 x 220 x 85           3.5         Number of front wheel gauge         b10         0 mm           3.6         For thinkeel gauge         b10         0 mm           3.7         Bear wheel gauge         b11         995 mm           4.8         Seat height/stand height         h7         1077 mm           4.19         Overall length         11         2413 mm           4.20         Length to face of forks         12         1263 mm           4.21         Overall width         b1         1120 mm           4.22         Fork saction / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.22         Fork saction / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.22         Fork carriage (180 228) (class/mm) / B         2 A         2 A           4.26         Distance between wheel ams/loading surfaces         b4         900 mm           4.25.1         Width over forks min / max.         b5         316 mm / 697 mm           4.22.2         Giound clearance at center of wheelbase         m2         70 mm           4.32         Aise width for 1000 x 1200 pallet lengthways         Ast         2751 mm           4.35<	3.1	Tires type		Vulkollan	
3.3         Number of load wheels - Size of load wheels         2 x 220 x 85           3.5         Number of front wheel gauge         b10         0 mm           3.6         For thinkeel gauge         b10         0 mm           3.7         Bear wheel gauge         b11         995 mm           4.8         Seat height/stand height         h7         1077 mm           4.19         Overall length         11         2413 mm           4.20         Length to face of forks         12         1263 mm           4.21         Overall width         b1         1120 mm           4.22         Fork saction / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.22         Fork saction / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.22         Fork carriage (180 228) (class/mm) / B         2 A         2 A           4.26         Distance between wheel ams/loading surfaces         b4         900 mm           4.25.1         Width over forks min / max.         b5         316 mm / 697 mm           4.22.2         Giound clearance at center of wheelbase         m2         70 mm           4.32         Aise width for 1000 x 1200 pallet lengthways         Ast         2751 mm           4.35<	3.5.2			1 x 355 x 155	
3.5         Number of front wheels / rear wheels         1 / 2           3.6         Front wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b11         995 mm           4.8         Seat height/stand height         h7         1077 mm           4.19         Overall length         11         2413 mm           4.20         Length of face of foks         12         1263 mm           4.21         Overall width         b1         1120 mm           4.22         Fork section / width / length         s / e/1         40 mm x 100 mm / 1150 mm           4.23         Fork cardage ISO 2232 (class/form) A/B         x / e/1         40 mm x 100 mm / 1150 mm           4.26         Distance between wheel amms/loading surfaces         d4         900 mm           4.25.1         Width over forks min. / max.         55         316 mm / 697 mm           4.25.2         Issue width for 1000 x 1200 pallet lengthways         A1         25 mm           4.32         Aisle width for 1000 x 1200 pallet lengthways         Ast         275 mm           4.33         Aisle width for 1000 x 1200 pallet lengthways         Ast         275 mm           4.7         Height of overhead guard (cabin)         Ma         123 km/h / 12.50 km/h <td></td> <td></td> <td></td> <td></td>					
3.6         Front wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b11         995 mm           4.8         Seat height/stand height         h7         1077 mm           4.19         Overall length         11         2413 mm           4.20         Length to face of forks         12         1223 mm           4.21         Overall width         5 / 2         40 mm x 100 mm / 1150 mm           4.22         Fork section / width / length         5 / 2         40 mm x 100 mm / 1150 mm           4.23         Fork camage ISO 22/36 (class/form) A/B         2         2A           4.24         Distance between wheel amms/loading surfaces         44         900 mm           4.25.1         Width over forks min. / max.         55         316 mm / 697 mm           4.26         Distance between wheel amms/loading surfaces         44         900 mm           4.27         Width over forks min. / max.         55         316 mm / 697 mm           4.28         Glound clearance at centre of wheelbase         m2         70 mm           4.32         Asis width for 800 x 1200 pallet lengthways         Ast         22751 mm           4.33         Alse width for 800 x 1200 pallet lengthways         Ast         22751 mm		Number of front wheels / rear wheels			
Rear wheel gauge			b10		
			b11	995 mm	
4.19       Overall length to face of forks       11       2413 mm         4.20       Length to face of forks       12       1263 mm         4.21       Overall width of face of forks       15       120 mm         4.22       Fork section / width / length       \$ /e / I       40 mm x 100 mm / 1150 mm         4.23       Fork carriage ISO 2232 (class/form) A/B       2A       2A         4.26       Distance between wheel amms/loading surfaces       b5       33 fmm / 697 mm         4.25.1       Width over forks min. / max.       b5       316 mm / 697 mm         4.32       Ground clearance at centre of wheelbase       m2       70 mm         4.33       Alsle width for 1000 x 1200 pallet lengthways       Ast       2751 mm         4.34       Alsle width for 8000 x 1200 pallet lengthways       Ast       2251 mm         4.35       Tuming radius       Wa       1593 mm         4.7       Height of overhead guard (cabin)       h6       2205 mm         5.1       Taxel speed (laden / unladen)       12.30 km/h / 12.50 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s / 0.55 m/s         5.1       Taxel speed (laden / unladen)       0.50 m/s / 0.55 m/s         5.1       Gradeability (laden / unladen)       0.50 m					
4.19       Overall length to face of forks       11       2413 mm         4.20       Length to face of forks       12       1265 mm         4.21       Overall width of face of forks       15       120 mm         4.22       Fork section / width / length       \$ / e / I       40 mm x 100 mm / 1150 mm         4.23       Fork carriage ISO 2232 (class / form) A/B       2A       2A         4.26       Distance between wheel amms/loading surfaces       b5       33 firm / 697 mm         4.25.1       Width over forks min. / max.       b5       33 firm / 697 mm         4.32       Ground clearance at centre of wheelbase       m2       70 mm         4.33       A sile width for 1000 x 1200 pallet lengthways       Ast       2751 mm         4.34       A sile width for 3000 x 1200 pallet lengthways       Ast       2251 mm         4.35       Tuming radius       Wa       1598 mm         4.7       Height of overhead guard (cabin)       Ma       1520 mm         5.1       Tavel speed (laden / unladen)       0.50 m/s / 0.55 m/s         5.2       Luffing speed (laden / unladen)       0.50 m/s / 0.55 m/s         5.1       Tavel speed (laden / unladen)       0.50 m/s / 0.55 m/s         5.1       Gradeability (laden / unladen)       0.5	4.8	Seat height/stand height	h7	1077 mm	
4.20         Length to face of forks         I2         1263 mm           4.21         Overall width         b1         1120 mm           4.22         Forks section / width / length         s / e / 1         40 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2328 (class/form) A/B         2A           4.26         Distance between wheel arms/loading surfaces         b4         900 mm           4.25.1         Width over forks min. / max.         b5         316 mm / 697 mm           4.25.2         Ground clearance at centre of wheelbase         m2         70 mm           4.32         Ground clearance at centre of wheelbase         m2         70 mm           4.33         Aisle width for 1000 x 1200 pallet lengthways         Ast         2594 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         2751 mm           4.35         Turning radius         Ma         1598 mm           4.7         Height of overhead guard (cabin)         Ma         1598 mm           4.7         Height of overhead guard (without load)         11.230 km/h / 12.50 km/h           5.2         Lifting speed (laden / unladen)         0.50 m/s / 0.55 m/s           5.4.1         Reach speed (with out of without load)         0.50 m/s / 0.55 m/s	4.19			2413 mm	
4.21         Overall width         b1         1120 mm           4.22         Forks section / width / length         s / e / I         40 mm x 100 mm / 150 mm           4.23         Fork carriage ISO 2282 (class/form) A/B         2A           4.26         Distance between wheel ams/loading surfaces         b4         900 mm           4.25.1         Width over forks min. / max.         b5         316 mm / 697 mm           4.32         Ground clearance at centre of wheelbase         m2         70 mm           4.33         Aslie width for 1000 x 1200 pallet lengthways         Ast         2751 mm           4.34         Alsie width for 800 x 1200 pallet lengthways         Ast         2751 mm           4.35         Tuming radius         Wa         1598 mm           4.7         Height of overhead guard (cabin)         Wa         1598 mm           4.7         Tavel speed (laden / unladen)         12.30 km/h / 12.50 km/h           5.1         Tavel speed (laden / unladen)         9.05 m/s / 0.05 m/s           5.2         Liffting speed (laden / unladen)         9.05 m/s / 0.05 m/s           5.3         Lowering speed (laden / unladen)         9.05 m/s / 0.05 m/s           5.7         Gradeability (laden / unladen)         9.05 m/s / 0.05 m/s           5.0 <td< td=""><td>4.20</td><td></td><td>12</td><td>1263 mm</td></td<>	4.20		12	1263 mm	
4.22         Forks section / width / length         s / e/         40 mm x 100 mm / 1150 mm           4.23         Fork carniage ISO 2388 (class/form) A/B         2A           4.26         Distance between wheel ams/loading surfaces         b5         316 mm / 697 mm           4.25.1         Width over forks min. / max.         b5         316 mm / 697 mm           4.32         Ground clearance at centre of wheelbase         m2         70 mm           4.33         Aisle width for 1000 x 1200 pallet lengthways         Ast         2751 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         2751 mm           4.7         Height of overhead guard (cabin)         h6         2205 mm           4.7         Height of overhead guard (cabin)         h6         2205 mm           5.1         Travel speed (laden / unladen)         12.30 km/h / 12.50 km/h         12.30 km/h / 12.50 km/h           5.2         Lifting speed (laden / unladen)         0.50 m/s / 0.55 m/s         0.50 m/s / 0.55 m/s           5.3         Lowering speed (laden / unladen)         7.50 km/s         0.50 m/s / 0.20 m/s           5.1         Reach speed (with load / without load)         7.50 km/s         0.50 m/s / 0.20 m/s           5.1         Service brake         Electric         11 kW <td></td> <td></td> <td></td> <td colspan="2">1120 mm</td>				1120 mm	
4.23         Fork carriage ISO 2328 (class/form) A/B         2A           4.26         Distance between wheel arms/loading surfaces         b4         900 mm           4.25.1         Width over forks min. / max.         b5         316 mm / 697 mm           4.32         Ground clearance at centre of wheelbase         m2         70 mm           4.33         Aisle width for 1000 x 1200 pallet lengthways         Ast         2694 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         2751 mm           4.35         Tuming radius         Ma         1598 mm           4.37         Height of overhead guard (cabin)         Ma         2205 mm           5.1         Travel speed (laden / unladen)         12.30 km/h / 12.50 km/h           5.2         Lifting speed (laden / unladen)         0.58 m/s / 0.55 m/s           5.3         Lowering speed (laden / unladen)         0.58 m/s / 0.55 m/s           5.4.1         Reach speed (with load / without load)         0.20 m/s / 0.20 m/s           5.7         Gradeability (laden / unladen)         0.58 m/s / 0.55 m/s           5.0         Service brake         Electric           6.1         Dive motor rating 32 S0 m/s         11 kW           6.2         Lift motor rating 4 S3 15% <td< td=""><td></td><td>Forks section / width / length</td><td>s / e / l</td><td>40 mm x 100 mm / 1150 mm</td></td<>		Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm	
4.26         Distance between wheel ams/loading surfaces         b4         900 mm           4.25.1         Wildth over forks min. / max.         b5         316 mm / 697 mm           4.32         Ground clearance at centre of wheelbase         m2         70 mm           4.33         Aisle width for 1000 x 1200 pallet lengthways         Ast         2694 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         2751 mm           4.35         Tuming radius         Wa         1598 mm           4.7         Height of overhead guard (cabin)         h6         2205 mm           Performances         Performances         12.30 km/h / 12.50 km/h           5.1         Travel speed (laden / unladen)         0.50 m/s / 0.65 m/s         0.50 m/s / 0.65 m/s           5.3         Lowering speed (laden / unladen)         0.55 m/s / 0.20 m/s / 0.20 m/s         0.55 m/s           5.4.1         Reach speed (with load / without load)         0.50 m/s / 0.20 m/s / 0.20 m/s         0.55 m/s           5.7         Gradeability (laden / unladen)         7.50 % / 11.10 %         0.20 m/s / 0.20 m/s           5.10         Service brake         Electric         Electric           6.1         Drive motor rating S2 60 min         5.90 kW         11 kW           6.2 <td></td> <td>-</td> <td></td> <td>2A</td>		-		2A	
4.25.1       Width over forks min. / max.       b5       316 mm / 697 mm         4.32       Ground clearance at centre of wheelbase       m2       70 mm         4.33       Aisle width for 1000 x 1200 pallet lengthways       Ast       2694 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2751 mm         4.35       Turning radius       Wa       1598 mm         4.7       Height of overhead guard (cabin)       h6       2205 mm         4.7       Height of overhead guard (cabin)       h6       2205 mm         5.1       Taval speed (laden / unladen)       12.30 km/h / 12.50 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s / 0.65 m/s       0.58 m/s / 0.55 m/s         5.3       Lowering speed (with load / without load)       0.50 m/s / 0.20 m/s / 0.20 m/s       0.58 m/s / 0.55 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       5.00 km/       1.10 km/s         5.10       Engline       11 kW         6.1       Drive motor ating \$2.50 min       5.90 kW         6.2       Lift motor rating \$2.50 min       5.90 kW         6.3       Battery voltage / capacity <td< td=""><td>4.26</td><td></td><td>b4</td><td>900 mm</td></td<>	4.26		b4	900 mm	
4.33       Aisle width for 1000 x 1200 pallet lengthways       Ast       2751 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2751 mm         4.35       Turning radius       Wa       1598 mm         4.7       Height of overhead guard (cabin)       h6       2205 mm         Performances         5.1       Travel speed (laden / unladen)       12.30 km/h / 12.50 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s / 0.65 m/s         5.3       Lowering speed (with load / without load)       0.58 m/s / 0.55 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       7.50 k/ 11.10 k         5.10       Service brake       Electric         Engine         6.1       Drive motor rating S2 60 min       5.90 kW         6.2       Lift motor rating s1 S3 15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery weight (+/- 5%)       7.30 kg         Miscellaneous       Battery weight (+/- 5%)       7.30 kg         Miscellaneous       Electronic         8.3       Oil flow rate for attachments		-	b5	316 mm / 697 mm	
4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2751 mm         4.35       Tuming radius       Wa       1598 mm         4.7       Height of overhead guard (cabin)       h6       2205 mm         Performances       Colspan="2">Co	4.32	Ground clearance at centre of wheelbase	m2	70 mm	
4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2751 mm         4.35       Tuming radius       Wa       1598 mm         4.7       Height of overhead guard (cabin)       h6       2205 mm         Performances         Travel speed (laden / unladen)       12.30 km/h / 12.50 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s / 0.65 m/s         5.3       Lowering speed (laden / unladen)       0.58 m/s / 0.55 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       0.20 m/s / 0.20 m/s         5.10       Service brake       Electric         Engine         6.1       Drive motor rating \$2.60 min       5.90 kW         6.2       Lift motor rating \$2.60 min       5.90 kW         6.2       Lift motor rating \$2.60 min       5.90 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	4.33	Aisle width for 1000 x 1200 pallet lengthways		2694 mm	
4.35       Tuming radius       Wa       1598 mm         4.7       Height of overhead guard (cabin)       h6       2205 mm         Performances         5.1       Travel speed (laden / unladen)       12.30 km/h / 12.50 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s / 0.65 m/s         5.3       Lowering speed (laden / unladen)       0.58 m/s / 0.55 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       7.50 % / 11.10 %         5.10       Service brake       Electric         Engline         6.1       Drive motor rating \$2.60 min       5.90 kW         6.2       Lift motor rating at \$3 15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V/310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	4.34		Ast	2751 mm	
Performances           5.1         Travel speed (laden / unladen)         12.30 km/h / 12.50 km/h           5.2         Lifting speed (laden / unladen)         0.50 m/s / 0.65 m/s           5.3         Lowering speed (with load / without load)         0.20 m/s / 0.20 m/s           5.4.1         Reach speed (with load / without load)         0.20 m/s / 0.20 m/s           5.7         Gradeability (laden / unladen)         7.50 % / 11.10 %           5.10         Service brake         Electric           6.1         Dive motor rating \$2.60 min         5.90 kW           6.2         Lift motor rating \$2.60 min         5.90 kW           6.2         Lift motor rating at \$3.15%         11 kW           6.3         Battery according to DIN 43531/35/36 A, B, C         DIN43531 B           6.4         Battery voltage / capacity         48 V / 310 Ah           6.5         Battery weight (+/- 5%)         730 kg           Miscellaneous           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 l/min	4.35		Wa	1598 mm	
Performances           5.1         Travel speed (laden / unladen)         12.30 km/h / 12.50 km/h           5.2         Lifting speed (laden / unladen)         0.50 m/s / 0.65 m/s           5.3         Lowering speed (with load / without load)         0.20 m/s / 0.20 m/s           5.4.1         Reach speed (with load / without load)         0.20 m/s / 0.20 m/s           5.7         Gradeability (laden / unladen)         7.50 % / 11.10 %           5.10         Service brake         Electric           6.1         Dive motor rating \$2.60 min         5.90 kW           6.2         Lift motor rating \$2.60 min         5.90 kW           6.2         Lift motor rating at \$3.15%         11 kW           6.3         Battery according to DIN 43531/35/36 A, B, C         DIN43531 B           6.4         Battery voltage / capacity         48 V / 310 Ah           6.5         Battery weight (+/- 5%)         730 kg           Miscellaneous           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 l/min		•		2205 mm	
5.1       Travel speed (laden / unladen)       12.30 km/h / 12.50 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s / 0.65 m/s         5.3       Lowering speed (laden / unladen)       0.58 m/s / 0.55 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       7.50 % / 11.10 %         5.10       Service brake       Electric         Engine         6.1       Drive motor rating \$2.60 min       5.90 kW         6.2       Lift motor rating at \$3.15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min					
5.2       Lifting speed (laden / unladen)       0.50 m/s / 0.65 m/s         5.3       Lowering speed (laden / unladen)       0.58 m/s / 0.55 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       7.50 % / 11.10 %         5.10       Service brake       Electric         Engine         6.1       Drive motor rating S2 60 min       5.90 kW         6.2       Lift motor rating at S3 15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	5.1			12.30 km/h / 12.50 km/h	
5.3       Lowering speed (laden / unladen)       0.58 m/s / 0.55 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       7.50 % / 11.10 %         5.10       Service brake       Electric         Engine         6.1       Drive motor rating S2 60 min       5.90 kW         6.2       Lift motor rating at S3 15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min					
5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       7.50 % / 11.10 %         5.10       Service brake       Electric         Engine         6.1       Drive motor rating S2 60 min       5.90 kW         6.2       Lift motor rating at S3 15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min					
5.7       Gradeability (laden / unladen)       7.50 % / 11.10 %         5.10       Service brake       Electric         6.1       Drive motor rating S2 60 min       5.90 kW         6.2       Lift motor rating at S3 15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min		- , ,			
5.10         Service brake         Electric           Engine         Companies         Companies           6.1         Drive motor rating \$2.60 min         \$5.90 kW           6.2         Lift motor rating at \$3.15%         \$11 kW           6.3         Battery according to DIN 43531/35/36 A, B, C         DIN43531 B           6.4         Battery voltage / capacity         48 V / 310 Ah           6.5         Battery weight (+/- 5%)         730 kg           Miscellaneous           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 l/min					
Engine         5.90 kW           6.1         Drive motor rating \$2.60 min         5.90 kW           6.2         Lift motor rating at \$3.15%         11 kW           6.3         Battery according to DIN 43531/35/36 A, B, C         DIN43531 B           6.4         Battery voltage / capacity         48 V / 310 Ah           6.5         Battery weight (+/- 5%)         730 kg           Miscellaneous         Electronic           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 l/min		,			
6.1       Drive motor rating \$2 60 min       5.90 kW         6.2       Lift motor rating at \$3 15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min					
6.2       Lift motor rating at \$3 15%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	6.1			5.90 kW	
6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 310 Ah         6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min					
6.4 Battery voltage / capacity					
6.5       Battery weight (+/- 5%)       730 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min		•			
Miscellaneous  8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min					
8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	0.0	, , ,		, 30 kg	
8.3 Oil flow rate for attachments 25 l/min	8.1			Flectronic	
		••			
	8.4	Sound level at the driver's ear according to DIN 12 053		57.40 dB	

## ER 12 - Dimensional drawing



## Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 57	FLT 63	FLT 68
α - Mast/fork carriage tilt, forward °		3	3	3	3	3
β - Mast/fork carriage tilt, backward	۰	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2440	2640	2790
h2 - Mast free lift	mm	1600	1800	1900	2100	2250
h3 - Mast lifting height	mm	4800	5400	5700	6300	6800
h4 - Mast extended height	mm	5380	5980	6280	6880	7330
Residual capacity with integrated side shift at max heigth	kg	1200	1200	1200	1000	700





## **Head Office**

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