Technical sheet:

## **ER 16**



Manufacture		Technical characteristics		Metric
1.4   Openstor type	1.1	Manufacturer		MANITOU
1.4	1.2	Model Name		ER 16
1.5         Load celebr of growity         c         600 mm           1.8         Load distance, centre of drive ask to fork         x         439 mm           1.9         Wineblase         y         1448 mm           2.1         Service weight	1.3	Power source		Electrical
1.6         Load clistance, centre of dive axle to fook         x         450 mm           1.8         Load distance, centre of dive axle to fook         x         439 mm           1.9         Wheelbase         y         1448 mm           1.0         Weeloft         33390 kg         1448 mm           1.0         Weelor         1         Wulkollan           3.5.2         Number of florit wheels- Size of dive wheels         2         1 x 255 x 155           3.5.3         Number of front wheels / rear wheels         1 / 2         2 x 222*105           3.5.         Front wheel gauge         151         1120 mm           3.6         Front wheel gauge         151         1130 mm           4.7         Highled to ownhead quad (claim)         66         2225 mm           4.8         Sea th reight X tomb height         66         2225 mm           4.8         Sea th reight X tomb height         107 mm         107 mm           4.9         Operall length         16         2.22 mm         12         122 mm           4.2         Length to face of focks         12         122 mm         12         122 mm           4.2         Operall length         5 / e/1         40 mm x 100 mm / 150 mm         12	1.4	Operator type		Seated
1.8   Load distance, centre of dine axie to fook         x         4.49 mm           1.9   Weelbase         y         1.48 mm           2.1   Service weight	1.5	Max. capacity	Q	1600 kg
Neelbace   Neelbac	1.6	Load center of gravity	С	600 mm
	1.8	Load distance, centre of drive axle to fork	х	439 mm
2.1         Service weight         3.10 (Times type)         Times type         Vulkollan           3.5.2         Number of finat wheels - Size of driew wheels         1.1 355 x 155         2.2 x 282*105           3.5         Number of front wheels / rear wheels         5.0         1.2 x 282*105           3.6         Front wheel gauge         b1         0 mm           3.6         Front wheel gauge         b1         1.130 mm           4.8         Seat helpht of some diguard (cabin)         6.6         2205 mm           4.8         Seat helpht stand height         5.7         1077 mm           4.9         Owerall length         6.6         2205 mm           4.8         Seat helpht stand height         5.7         1077 mm           4.19         Overall length         6.6         2205 mm           4.2         Fook cardiage ISO 2328 (classiform) A/B         5.7         1077 mm           4.21         Overall length for section / with / length         5.7         40 mm x 10 mm / 1150 mm           4.22         Fook section / with / length         5.7         40 mm x 10 mm / 1150 mm           4.23         Fook section / with / length         5.7         40 mm x 10 mm / 1150 mm           4.21         Fook section / with / length         5.7 <td>1.9</td> <td>Wheelbase</td> <td>у</td> <td>1448 mm</td>	1.9	Wheelbase	у	1448 mm
Nicel		Weight		
Number of drive wheels - Size of drive wheels   1 x 35x x 155	2.1	Service weight		3190 kg
3.5.2         Number of drive wheels - Size of drive wheels         1 x 355 x 155           3.3         Number of load wheels - Size of load wheels         2 x 282**105           3.5         Number of fload wheels / rear wheels         11 / 2           3.6         Front wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b10         0 mm           4.7         Height of owehead guad (cabin)         h6         2205 mm           4.7         Length of sace and height         h6         2205 mm           4.8         Seat height/stank height         h7         1077 mm           4.9         Overall length         11         2379 mm           4.20         Overall width         11         2379 mm           4.21         Overall width         11         2379 mm           4.22         Fork section / width / length         \$1 / 2         1229 mm           4.22         Fork section / width / length         \$1 / 2         40 mm x 100 mm / 1150 mm           4.23         Fork section / width / length         \$1 / 2         40 mm x 100 mm / 1150 mm           4.24         Fork search wheel amms/loading surfaces         b4         912 mm           4.25.1         Good and clearance acteure of wheelsase		Wheels		
3.3         Number of load wheels - Size of load wheels         1 / 2           3.5         Number of front wheels year wheels         1 / 2           3.6         Font wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b11         1130 mm           4.7         Height of overhead guard (cabin)         h6         2205 mm           4.8         Seat height/stand height         h7         1077 mm           4.9         Overall length         11         2379 mm           4.20         Length to face of foks         12         1229 mm           4.21         Overall width         b1         1270 mm           4.22         Fork section / width / length         \$ / e /         40 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2328 (class/form) A/B         \$ / e /         2A           4.24         Distance between wheel amari/loading surfaces         b4         912 mm           4.25         Ground cleance at centre of wheelbase         m2         70 mm           4.21         Like width for 1000 x 1200 pallet lengthways         Ast         228 mm           4.22         Fork carriage (laden / unladen)         Wa         1668 mm           5.1         Travel speed (laden / unladen)	3.1	Tires type		Vulkollan
3.5         Number of front wheels / rear wheels         1 / 2           3.6         Fiont wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b11         1130 mm           4.7         Helpht of ownhead guard (cabin)         h6         2205 mm           4.8         Seat height/stand height         h7         1077 mm           4.19         Overall length         11         2379 mm           4.20         Length to face of forks         12         1229 mm           4.21         Overall width         b1         1270 mm           4.22         Fork saction / width / length         5 / e/ 1         40 mm x 100 mm / 1150 mm           4.22         Fork carriage 180 2282 (class/form) A/B         5 / e/ 1         40 mm x 100 mm / 1150 mm           4.23         Fork carriage 180 2282 (class/form) A/B         5 / e/ 1         40 mm x 100 mm / 1150 mm           4.24         Unitance between wheel amer/loading surfaces         b4         9 12 mm           4.25.1         Width over forks min - max.         m2         70 mm           4.32         Ground clearance at cente of wheelbase         m2         70 mm           4.33         Asile width for 1000 x 1200 pallet lengthways         4x1         22 mm	3.5.2	Number of drive wheels - Size of drive wheels		1 x 355 x 155
3.6         Front wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b11         1130 mm           4.7         Height of ownead guard (cabin)         h6         2205 mm           4.8         Seat height/stand height         h7         1077 mm           4.9         Overall leingh         11         23379 mm           4.0         Length of ace of forks         12         1229 mm           4.21         Overall width         b1         1270 mm           4.22         Fork section / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2328 (class/form) A/B         b4         912 mm           4.24         Distance between wheel amms/loading surfaces         b4         912 mm           4.25         Distance between wheel amms/loading surfaces         b4         912 mm           4.26         Distance between wheel amms/loading surfaces         b4         912 mm           4.27         Width over forks min. / max.         b5         316 mm / 697 mm           4.28         Distance between wheel amms/loading surfaces         m2         70 mm           4.32         Ground clearance at centre of wheelbase         m2         0.0 mm           <	3.3	Number of load wheels - Size of load wheels		2 x 282*105
3.7         Rear wheel gauge         b11         1130 mm           4.7         Helight of owehead quard (cbin)         66         2225 mm           4.8         Seat height/stand height         h7         1077 mm           4.9         Overall length         11         2379 mm           4.19         Overall width         12         1229 mm           4.21         Overall width / length         b1         1270 mm           4.22         Fork sacetion / width / length         5 / e/1         40 mm x 100 mm / 1150 mm           4.22         Fork sacetion / width / length         5 / e/1         40 mm x 100 mm / 1150 mm           4.23         Fork caraiges 150 2238 (class from) A/B         5 / e/2         2 A           4.24         Uidth over forks min. / max.         55         316 mm / 697 mm           4.25         Distance between wheel ams/loading surfaces         b4         912 mm           4.24         Oist count clearance at center of wheelbase         55         316 mm / 697 mm           4.23         Aisle width for 1000 x 1200 pallet lengthways         Ast         2728 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         14.30 km/h / 14.50 km/h           5.1         Training speed (lader / uniader) <th< td=""><td>3.5</td><td>Number of front wheels / rear wheels</td><td></td><td>1 / 2</td></th<>	3.5	Number of front wheels / rear wheels		1 / 2
	3.6	Front wheel gauge	b10	0 mm
4.7         Height of overhead guard (cabin)         h6         2205 mm           4.8         Seat height (stand height)         h7         1077 mm           4.9         Overall largh         i1         2379 mm           4.20         Length to face of forks         i2         1229 mm           4.21         Overall width         b1         1270 mm           4.22         Fork section / width / length         s e / l         40 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2228 (class/form) A/B         2A         2A           4.26         Distance between wheel amms/loading surfaces         b4         912 mm           4.25.1         Width over forks min. / max.         b5         3 316 mm / 697 mm           4.27         Ground clearance at centre of wheelbase         m2         7 70 mm           4.32         Ground clearance at centre of wheelbase         m2         7 70 mm           4.33         Alsie width for 800x x 1200 pallet lengthways         Ast         2 2689 mm           4.34         Alsie width for 800x x 1200 pallet lengthways         Wa         1668 mm           5.2         Turning radius         Wa         1668 mm           6.3         Lifting speed (lader / unlader)         0.49 m/s / 0.49 m/s / 0.49 m/s	3.7	Rear wheel gauge	b11	1130 mm
4.8         Seat height/stand height         h7         1077 mm           4.19         Overall length         11         2379 mm           4.20         Length to face of forks         12         1229 mm           4.21         Overall width         b1         1270 mm           4.22         Fork section / width / length         s / e / I         40 mm x 100 mm / 1150 mm           4.23         Fork camtage ISO 2226 (class/form) A/B         5 / e / I         40 mm x 100 mm / 1150 mm           4.26         Distance between wheel amms/loading surfaces         b4         912 mm           4.25.1         Width over forks min. / max.         b5         316 mm / 697 mm           4.27         Ground clearance at centre of wheelbase         m2         70 mm           4.32         A sisk width for 1000 x 1200 pallet lengthways         Ast         2269 mm           4.33         A sisk width for 800 x 1200 pallet lengthways         Ast         22728 mm           4.34         A isle width for 800 x 1200 pallet lengthways         Ast         22728 mm           4.35         Tuming radius         Ma         1668 mm           5.1         Tavel speed (laden / unladen)         Ast         22728 mm           5.2         Lifting speed (laden / unladen)         0.49 m/		Dimensions		
4.19         Overall length         I1         2379 mm           4.20         Length to face of foks         12         1229 mm           4.21         Overall width         b1         1270 mm           4.22         Fork section / width / length         s /e /1         40 mm x 100 mm / 1150 mm           4.23         Fork certainage ISO 2238 (class /form) A/B         2A         2A           4.26         Distance between wheel amms/loading surfaces         b4         91 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           4.33         A sise width for 1000 x 1200 pallet lengthways         Ast         2728 mm           4.34         A sise width for 800 x 1200 pallet lengthways         Ast         27278 mm           4.35         Tuming radius         Wa         1668 mm           Performances         Wa         1688 mm           5.1         Tavel speed (laden / unladen)         0.49 m/s / 0.48 m/s           5.2         Lifting speed (laden / unladen)         0.49 m/s / 0.48 m/s           5.3         Correcte bake         0.20 m/s / 0.20 m/s / 0.20 m/s           5.7         Gradeability (laden / unladen) </td <td>4.7</td> <td>Height of overhead guard (cabin)</td> <td>h6</td> <td>2205 mm</td>	4.7	Height of overhead guard (cabin)	h6	2205 mm
4.20         Length to face of forks         12         1229 mm           4.21         Overall width         b1         1270 mm           4.22         Fork 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 amrs/loading surfaces         b4         912 mm           4.25.1         Width over forks min. / max.         b5         316 mm / 697 mm           4.22.2         Ground clearance at centre of wheelbase         m2         70 mm           4.32         Ground clearance at centre of wheelbase         m2         70 mm           4.33         Alsie width for 1000 x 1200 pallet lengthways         Ast         22689 mm           4.34         Alsie width for 800 x 1200 pallet lengthways         Ast         2728 mm           4.35         Tuming radius         Ma         1668 mm           5.1         Travel speed (laden / unladen)         Ma         1668 mm           5.2         Liffing speed (laden / unladen)         0.49 m/s / 0.48 m/s           5.3         Lowering speed (laden / unladen)         0.20 m/s / 0.20 m/s           5.1         Reach speed (with load / without load)         0.20 m/s / 0.20 m/s	4.8	Seat height/stand height	h7	1077 mm
4.21         Overall width         b1         1 270 mm           4.22         Forks section / width / length         s / e / I         40 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2328 (class/form) A/B         b4         912 mm           4.26         Distance between wheel amrs/loading surfaces         b4         912 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         A sile width for 800 x 1200 pallet lengthways         Ast         2728 mm           4.34         A sile width for 800 x 1200 pallet lengthways         Ast         2728 mm           4.35         Tuming radius         Wa         1668 mm           4.35         Tuming radius         Wa         1688 mm           5.1         Tavel speed (laden / unladen)         Wa         14.30 km/h / 14.50 km/h           5.2         Lifting speed (laden / unladen)         0.49 m/s / 0.49 m/s / 0.49 m/s         0.49 m/s / 0.20 m/s           5.1         Reach speed (with load / without load)         8.50 / 11.10 %         6.50 / 11.10 %         6.50 / 11.10 %         6.50 / 11.10 %         6.50 / 11.10 %         6.50 / 11.10 %         6.50 / 11.10 %         6.50 / 11.10 % <td>4.19</td> <td>Overall length</td> <td>11</td> <td>2379 mm</td>	4.19	Overall length	11	2379 mm
4.22         Forks section / width / length         \$ / e / l         40 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2328 (class/form) A / B         b4         912 mm           4.26         Distance between wheel arms/loading surfaces         b4         912 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         2689 mm           4.34         Aisle width for 1000 x 1200 pallet lengthways         Wa         16688 mm           4.35         Turning adius         Wa         16688 mm           5.1         Travel speed (laden / unladen)         Wa         16688 mm           5.2         Lifting speed (laden / unladen)         0.49 m/s / 0.80 m/s         0.49 m/s / 0.80 m/s           5.3         Lowering speed (laden / unladen)         0.20 m/s         0.20 m/s         0.20 m/s           5.7         Gradeability (laden / unladen)         9.8.50 % / 11.10 %         0.20 m/s / 0.20 m/s         0.20 m/s / 0.20 m/s         0.20 m/s         0.20 m/s / 0.20 m/	4.20	Length to face of forks	12	1229 mm
4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.26       Distance between wheel arms/loading surfaces       b4       912 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 800 x 1200 pallet lengthways       Ast       2689 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2728 mm         4.35       Tuming radius       Wa       1668 mm         5.1       Travel speed (laden / unladen)       Wa       14.30 km/h / 14.50 km/h         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.80 m/s       0.49 m/s / 0.80 m/s         5.4.1       Reach speed (with load / without load)       0.49 m/s / 0.20 m/s / 0.20 m/s       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       8.50 % / 11.10 %       8.50 % / 11.10 %         5.10       Service brake       Electric       Electric         6.1       Drive motor rating \$2 60 min       7.20 kW       15 kW         6.2       Lift motor rating at \$3 15%       15 kW       15 kW         6.3       Battery voltage / capacity       48 V / 465 Ah       735 kg	4.21	Overall width	b1	1270 mm
4.26       Distance between wheel amms/loading surfaces       b4       912 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       2728 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2728 mm         4.35       Tuming radius       Wa       1668 mm         5.1       Tavel speed (laden / unladen)       Wa       14.30 km/h / 14.50 km/h         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.80 m/s         5.3       Lowering speed (laden / unladen)       0.49 m/s / 0.48 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       8.50 % / 11.10 %         5.7       Gradeability (laden / unladen)       8.50 % / 11.10 %         5.7       Engline       Electric         6.1       Drive motor rating \$2.60 min       7.20 kW         6.2       Lift motor rating \$2.60 min       7.20 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery weight (+/-5%) <td>4.22</td> <td>Forks section / width / length</td> <td>s / e / l</td> <td>40 mm x 100 mm / 1150 mm</td>	4.22	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 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       2788 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2728 mm         4.35       Tuming radius       Wa       1668 mm         Perfomances         5.1       Travel speed (laden / unladen)       14.30 km/h / 14.50 km/h         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.80 m/s         5.3       Lowering speed (laden / 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)       0.20 m/s / 0.20 m/s         5.10       Service brake       Electric         Engline       Electric         6.1       Drive motor rating \$2.60 min       7.20 kW         6.2       Liff motor rating \$2.60 min       15 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery weight (4/- 5%)       735 kg         Miscellaneous       Battery weight (4/- 5%)       735 kg	4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.32       Ground clearance at centre of wheelbase       m2       70 mm         4.33       Aisle width for 1000 x 1200 pallet lengthways       Ast       2689 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2728 mm         4.35       Tuming radius       Wa       1668 mm         Performances         5.1       Travel speed (laden / unladen)       14.30 km/h / 14.50 km/h         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.80 m/s         5.3       Lowering speed (laden / unladen)       0.49 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)       8.50 x/ 11.10 %         5.7       Gradeability (laden / unladen)       8.50 x/ 11.10 %         6.1       Partice brake       Electric         6.1       Drive motor rating S2 60 min       7.20 kW         6.2       Lift motor rating S2 60 min       7.20 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery velight (x/- 5%)       48 V / 465 Ah         6.5       Battery weight (x/- 5%)       7.5 kg         Milscellaneous       Battery late ontrol       18 Electroni	4.26	Distance between wheel arms/loading surfaces	b4	912 mm
4.33       Aisle width for 1000 x 1200 pallet lengthways       Ast       2689 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2728 mm         4.35       Turning radius       Wa       1668 mm         Performances         5.1       Travel speed (laden / unladen)       0.49 m/s / 0.80 m/s         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.48 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)       0.20 m/s / 0.20 m/s         5.10       Service brake       Electric         6.1       Drive motor rating S2 60 min       7.20 kW         6.2       Lift motor rating s2 50 min       7.20 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       15 kW         6.3       Battery youtge / capacity       48 V / 465 Ah         6.5       Battery weight (+/-5%)       735 kg         Miscellaneous       Image: All services of the performance of th	4.25.1	Width over forks min. / max.	b5	316 mm / 697 mm
4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2728 mm         4.35       Tuming radius       Wa       1668 mm         Performances         5.1       Travel speed (laden / unladen)       14.30 km/h / 14.50 km/h         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.80 m/s         5.3       Lowering speed (laden / unladen)       0.49 m/s / 0.20 m/s         5.4.1       Reach speed (with load / without load)       0.29 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       8.50 %/ 11.10 %         5.10       Service brake       Electric         Electric         Engine         6.1       Drive motor rating \$2.60 min       7.20 kW         6.2       Lift motor rating at \$3.15%       15 kW         6.3       Battery according at \$1.5%       15 kW         6.4       Battery weight (+/-5%)       48 V / 465 Ah         6.5       Battery weight (+/-5%)       7.35 kg         Miscellaneous         8.1       Type of drive control       Electr	4.32	Ground clearance at centre of wheelbase	m2	70 mm
Tuming radius       Wa       1668 mm         Performances         5.1       Travel speed (laden / unladen)       14.30 km/h / 14.50 km/h         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.80 m/s         5.3       Lowering speed (laden / unladen)       0.49 m/s / 0.48 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       8.50 % / 11.10 %         5.10       Service brake       Electric         6.1       Drive motor rating \$2.60 min       7.20 kW         6.2       Lift motor rating \$2.60 min       7.20 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       7.35 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		2689 mm
Performances           5.1         Travel speed (laden / unladen)         14.30 km/h / 14.50 km/h           5.2         Lifting speed (laden / unladen)         0.49 m/s / 0.80 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)         8.50 % / 11.10 %           5.10         Sevrice brake         Electric           Engine           6.1         Drive motor rating \$2.60 min         7.20 kW           6.2         Lift motor rating \$3.15%         15 kW           6.3         Battery according to DIN 43531/35/36 A, B, C         DIN 43531 C           6.4         Battery voltage / capacity         48 V / 465 Ah           6.5         Battery weight (*/- 5%)         735 kg           Miscellaneous           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 1/min	4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2728 mm
5.1       Travel speed (laden / unladen)       14.30 km/h / 14.50 km/h         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.80 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)       8.50 % / 11.10 %         5.10       Service brake       Electric         6.1       Drive motor rating \$2 60 min       7.20 kW         6.2       Lift motor rating at \$3 15%       15 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       735 kg         Miscellaneous       Electronic         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	4.35	Turning radius	Wa	1668 mm
5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.80 m/s         5.3       Lowering speed (laden / unladen)       0.49 m/s / 0.48 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       8.50 % / 11.10 %         5.10       Service brake       Electric         Engine         6.1       Drive motor rating \$2 60 min       7.20 kW         6.2       Lift motor rating at \$3 15%       15 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       735 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min		Performances		
5.3       Lowering speed (laden / unladen)       0.49 m/s / 0.48 m/s         5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       8.50 % / 11.10 %         5.10       Service brake       Electric         Engine         6.1       Drive motor rating \$2.60 min       7.20 kW         6.2       Lift motor rating at \$3.15%       15 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/-5%)       735 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	5.1	Travel speed (laden / unladen)		14.30 km/h / 14.50 km/h
5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       8.50 % / 11.10 %         5.10       Service brake       Electric         Engine         6.1       Drive motor rating \$2.60 min       7.20 kW         6.2       Lift motor rating at \$3.15%       15 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       735 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)		0.49 m/s / 0.80 m/s
5.7       Gradeability (laden / unladen)       8.50 % / 11.10 %         5.10       Service brake       Electric         Engine         6.1       Drive motor rating \$2.60 min       7.20 kW         6.2       Lift motor rating at \$3.15%       15 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/-5%)       735 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	5.3	Lowering speed (laden / unladen)		0.49 m/s / 0.48 m/s
Electric           Engine           6.1         Drive motor rating \$2.60 min         7.20 kW           6.2         Lift motor rating at \$3.15%         15 kW           6.3         Battery according to DIN 43531/35/36 A, B, C         DIN 43531 C           6.4         Battery voltage / capacity         48 V / 465 Ah           6.5         Battery weight (+/-5%)         735 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
Engine         Companies           6.1         Drive motor rating \$2.60 min         7.20 kW           6.2         Lift motor rating at \$3.15%         15 kW           6.3         Battery according to DIN 43531/35/36 A, B, C         DIN 43531 C           6.4         Battery voltage / capacity         48 V / 465 Ah           6.5         Battery weight (+/- 5%)         735 kg           Miscellaneous           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 l/min	5.7	Gradeability (laden / unladen)		8.50 % / 11.10 %
6.1       Drive motor rating \$2.60 min       7.20 kW         6.2       Lift motor rating at \$3.15%       15 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       735 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	5.10	Service brake		Electric
6.2       Lift motor rating at \$3 15%       15 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       735 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min		Engine		
6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43531 C         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       735 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 l/min	6.1	Drive motor rating S2 60 min		7.20 kW
6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       735 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 S3 15%		15 kW
6.5         Battery weight (+/- 5%)         735 kg           Miscellaneous         Electronic           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 l/min	6.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43531 C
Miscellaneous         Electronic           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 l/min	6.4	Battery voltage / capacity		48 V / 465 Ah
8.1Type of drive controlElectronic8.3Oil flow rate for attachments25 l/min	6.5	Battery weight (+/- 5%)		735 kg
8.3 Oil flow rate for attachments 25 1/min		Miscellaneous		
	8.1	Type of drive control		Electronic
8.4 Sound level at the driver's ear according to DIN 12 053 60.80 dB	8.3	Oil flow rate for attachments		25 l/min
	8.4	Sound level at the driver's ear according to DIN 12 053		60.80 dB

## ER 16 - Dimensional drawing



## Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 63	FLT 68	FLT 73	FLT 80	FLT 85	FLT 90
Mast/fork carriage tilt, forward	٠	3	3	3	3	3	3	3	3
Mast/fork carriage tilt, backward	٠	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2640	2790	2957	3190	3673	3823
h2 - Mast free lift	mm	1600	1800	1900	2100	2400	2650	3100	3200
h3 - Mast lifting height	mm	4800	5400	6300	6750	7250	7950	8450	8950
h4 - Mast extended height	mm	5380	5980	6880	7330	7830	8530	9080	9530
Residual capacity with integrated side shift at max heigth	kg	1600	1600	1400	1100				





## **Head Office**

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