Technical sheet:

## **ER 14**



| Manufacture  |        | Technical characteristics                               |           | Metric                   |
|--|--------|---|-----------|--------------------------|
| 1.4   Opentor type   | 1.1    | Manufacturer  |           | MANITOU                  |
| 1.4  | 1.2    | Model Name  |           | ER 14                    |
| 1.5         Max. capacily         c         60 mm           1.8         Load distance, centre of dirice aske to fook         x         307 mm           1.9         Wheelbase         y         1378 mm           2.1         Service weight   | 1.3    | Power source  |           | Electrical               |
| 1.5         Max. capacily         c         600 cm           1.8         Load cleaner of gravity         c         600 cm           1.9         Wowelbase         y         1378 cm           2.1         Service weight   | 1.4    | Operator type   |           | Seated                   |
| 1.8   Load distance, centre of dine axie to fook         x         307 mm           1.9   Weight         y         1378 mm           2.1   Service weight  | 1.5    | Max. capacity   | Q         | 1400 kg                  |
| 1.9  | 1.6    | Load center of gravity                                  | c         | 600 mm                   |
|  | 1.8    | Load distance, centre of drive axle to fork             | х         | 307 mm                   |
| Neight   Service weight   Service weig | 1.9    | Wheelbase   | У         | 1378 mm                  |
| Nicel  |        | Weight  |           |                          |
|  | 2.1    | Service weight  |           | 2710 kg                  |
| 3.5.2         Number of drive wheels - Size of drive wheels         1 x 355 x 155           3.3         Number of food wheels - Size of load wheels         1 / 2           3.5         Number of food wheels / rear wheels         1 / 2           3.6         Front wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b10         995 mm           4.8         Seat height/stand height         h7         1077 mm           4.9         Coveall length         h7         1077 mm           4.20         Coveall width         h1         2413 mm           4.21         Overall width         h1         12 and mm           4.22         Fook section / width / length         h1         10 mm x 100 mm / 1150 mm           4.23         Fook carriage ISO 2232 (class / from) A/B         b1         10 mm x 100 mm / 1150 mm           4.24         Pook carriage ISO 2232 (class / from) A/B         b1         90 mm           4.25         Pook carriage ISO 2232 (class / from) A/B         b4         900 mm           4.25         Width over forks min. / max.         b5         316 mm / 697 mm           4.25         Width over forks min. / max.         b5         316 mm / 697 mm           4.25         Width over forks min. / max.<   |        | Wheels  |           |                          |
| 3.5.2         Number of drive wheels - Size of drive wheels         1 x 355 x 155           3.3         Number of fload wheels - Size of load wheels         2 x 220 x 85           3.5         Number of float wheels         1.72           3.6         Front wheel gauge         b10         0 mm           3.7         Rear wheel gauge         b11         995 mm           Omeasion           4.8         Seat height/stand height         h7         1077 mm           4.9         Overall length         i1         2413 mm           4.20         Length to face of forks         i2         1263 mm           4.21         Overall width         b1         1120 mm           4.22         Fork cariange ISO 2328 (class/form) A/B         s / e / l         40 mm x 100 mm / 1150 mm           4.25         Distance between wheel arms/loading surfaces         b4         90 mm           4.25         Width over forks min. / max.         b5         316 mm / 697 mm           4.25         Width over forks min. / max.         b5         316 mm / 697 mm           4.25         Width over forks min. / max.         b5         316 mm / 697 mm           4.25         Holph of overhead quard (cabin)         Ast         2.768 mm           4  | 3.1    | Tires type  |           | Vulkollan                |
| 3.3         Number of load wheels - Size of load wheels         1 / 2           3.5         Number of front wheel sauge         b10         0 mm           3.7         Rear wheel gauge         b11         995 mm           4.8         Seal height/stand height         h7         1077 mm           4.19         Overall length         11         2413 mm           4.20         Length to face of forks         12         1253 mm           4.21         Overall width         b1         1120 mm           4.22         Fork section / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.21         Fork section / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.22         Fork section / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.22         Fork section / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.23         Fork section / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.25.1         Width over fork min / max         x         2 mm / e / 97 mm           4.25.1         Width over fork min / max         x         2 mm / e / 97 mm           4.33         A isle width for 200 x 1200 pallet lengthways         Ast   | 3.5.2  |   |           | 1 x 355 x 155            |
| 3.5         Number of front wheels / rear wheels         1 / 2           3.6         Find twheel gauge         b10         0 mm           0 Dimensions         b11         995 mm           4.8         Seat height/stand height         h7         1077 mm           4.19         Overall length         l1         2413 mm           4.20         Length of face of forks         l2         1263 mm           4.21         Coverall width         b1         1120 mm           4.22         Fork section / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2228 (class/from) A/B         s / e / l         40 mm x 100 mm / 1150 mm           4.26         Distance between wheel arms/loading surfaces         b5         316 mm / 697 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           4.25.1         Aiste width for 800 x 1200 pallet lengthways         Ast         22701 mm           4.34         Aiste width for 800 x 1200 pallet lengthways         Ast         2766 mm           4.7         Height of overhead guard (cabin)         h6         2205 mm           5.1 </td <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         1263 mm           4.21         Overall width         5 t         40 mm x 100 mm / 1150 mm           4.22         Fork section / width / length         5 t         40 mm x 100 mm / 1150 mm           4.23         Fork carriage SD 22/38 (class/form) A/B         2         2A           4.26         Distance between wheel amms/loading surfaces         5 t         90 mm           4.27         Width over forks min. / max.         5 t         316 mm / 697 mm           4.28         Distance between wheel amms/loading surfaces         m2         70 mm           4.29         Mid over forks min. / max.         b5         316 mm / 697 mm           4.21         Alsie width for 1000 x 1200 pallet lengthways         m2         70 mm           4.32         Alsie width for 8000 x 1200 pallet lengthways         Ast         2276 mm           4.3         Liffung speed (laden / unladen)         h6         2205 mm  |        |   |           |                          |
| 3.7         Rear wheel gauge         b11         995 mm           4.8         Sear height Stand height         h7         1077 mm           4.19         Overall length         11         2413 mm           4.20         Length to face of forks         12         12.263 mm           4.21         Coverall width         b1         1120 mm           4.22         Fork cardiage ISO 22328 (class/form) A/B         \$ e/1         40 mm x 100 mm / 1150 mm           4.23         Fork cardiage ISO 22328 (class/form) A/B         46         900 mm           4.25         Uidth over forks min. / max.         b5         316 mm / 697 mm           4.26         Distance between wheel amm/loading surfaces         d4         900 mm           4.27         Width over forks min. / max.         b5         316 mm / 697 mm           4.32         Ground clearance at centre of wheelbase         m2         70 mm           4.33         Alsie width for 1000 v. 1200 pallet lengthways         Ast         2768 mm           4.35         Turning radius         Ma         25         270 mm           4.36         Alsie width for 800 x 1200 pallet lengthways         Ast         2726 km m           5.1         Travel speed (laden / unladen)         M2         12.30 km/h   |        |   | b10       |                          |
|  |        |   |           |                          |
| 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       11 120 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       5       2A         4.26       Distance between wheel amms/loading surfaces       b5       33 form / 697 mm         4.27       Width over forks min. / max.       b5       33 form / 697 mm         4.32       Ground clearance at centre of wheelbase       m2       70 mm         4.33       Alsie width for 1000 x 1200 pallet lengthways       Ast       2770 mm         4.34       Alsie width for 800x x 1200 pallet lengthways       Ast       2788 mm         4.35       Turning radius       Wa       1598 mm         4.34       Height of overhead guard (cabin)       B6       2225 mm         5.7       Tavel speed (laden / unladen)       B1       12.30 km/h / 12.50 km/h         5.3       Lovering speed (laden / unladen)       B1       2.50 m/s / 0.55 m/s / 0.55 m/s         5.1       Gradeability (laden / unladen)       C9       7.50 % / 11.10 %         5.1  |        |   |           |                          |
| 4.19       Overall length foace of forks       11       2413 mm         4.20       Length to face of forks       12       1263 mm         4.21       Overall width of face of forks       15       11 120 mm         4.22       Fork section / width / length       \$ /e / I       40 mm x 100 mm / 1150 mm         4.23       Fork carriage ISO 2328 (class/form) A/B       5       2A         4.26       Distance between wheel amms/loading surfaces       b5       316 mm / 697 mm         4.27       Width over forks min. / max.       b5       316 mm / 697 mm         4.32       Ground clearance at centre of wheelbase       m2       70 mm         4.33       Alsie width for 1000 x 1200 pallet lengthways       Ast       2770 mm         4.34       Alsie width for 800x x 1200 pallet lengthways       Ast       2788 mm         4.35       Turning radius       Wa       1598 mm         4.34       Alsie width for 800x x 1200 pallet lengthways       Ast       25 mm         4.37       Turning radius       Wa       1598 mm         4.34       Height of overhead guard (cabin)       B       20 m/s         5.1       Tavel speed (laden / unladen)       B       12.30 km/h / 12.50 km/h         5.3       Lowering speed (laden / u   | 4.8    | Seat height/stand height                                | h7        | 1077 mm                  |
| 4.20         Length to face of forks         12         1268 mm           4.21         Overall width         b1         1120 mm           4.22         Fork sestion / width / length         \$ /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           4.29.2         Ground clearance at centre of wheelbase         m2         70 mm           4.30         Aisle width for 1000 x 1200 pallet lengthways         Ast         2701 mm           4.31         Aisle width for 1000 x 1200 pallet lengthways         Ast         2708 mm           4.35         Turning radius         Ma         1596 mm           4.35         Turning radius         Ma         1596 mm           4.7         Height of overhead guard (cabin)         Ma         1596 mm           5.1         Tavel speed (laden / unladen)         0.4 m/s / 0.55 m/s           5.2         Lifting speed (laden / unladen)         0.9 m/s / 0.55 m/s           5.3         Cowering speed (widen / unladen)         0.9 m/s / 0.55 m/s           5.1         Gradeabi   | 4.19   | Overall length  | l1        | 2413 mm                  |
| 4.21         Overall width         b1         1120 mm           4.22         Forks section / width / length         s / e / l         40 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2328 (class/fom) 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           4.32         Asise width for 1000 x 1200 pallet lengthways         m2         2701 mm           4.33         A sise width for 800 x 1200 pallet lengthways         Ast         27201 mm           4.34         A isle width for 800 x 1200 pallet lengthways         Ma         1598 mm           4.35         Turning radius         Ma         1598 mm           4.36         Turning radius         Ma         1598 mm           4.7         Height of overhead guard (cabin)         Ma         200 mm           5.1         Tive la speed (laden / unladen)         0.49 m/s / 0.65 m/s         0.49 m/s / 0.65 m/s           5.2         Lifftug speed (lyth Joad / without load)         0.59 m/s / 0.59 m/s / 0.59 m/s         0.59 m/s / 0.59 m/s / 0.20 m/s           5.3         Reac   | 4.20   |   | 12        | 1263 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         2701 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         2768 mm           4.35         Tuming radius         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           5.2         Lifting speed (laden / unladen)         0.59 m/s / 0.55 m/s           5.3         Lowering speed (laden / unladen)         0.59 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           6.1         Dive motor rating at S3 15%         11 kW           6.2         Lift motor rating at S3 15%         11 kW  | 4.21   |   | b1        | 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         2701 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         2768 mm           4.35         Tuming radius         Ma         1598 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           5.2         Lifting speed (laden / unladen)         0.59 m/s / 0.55 m/s           5.3         Lowering speed (laden / unladen)         0.59 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           6.1         Dive motor rating s 250 min         5.90 kW           6.2         Lift motor rating at 33 15%         11 kW <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 |
| 4.26         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         2701 mm           4.34         Aisle width for 800 x 1200 pallet lengthways         Ast         2768 mm           4.35         Tuming radius         Ma         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)         0.49 m/s / 0.65 m/s         12.30 km/h / 12.50 km/h           5.2         Lifting speed (laden / unladen)         0.99 m/s / 0.55 m/s         0.59 m/s / 0.55 m/s           5.4.1         Reach speed (with load / without load)         0.00 m/s / 0.20 m/s / 0.20 m/s         0.59 m/s / 0.20 m/s / 0.20 m/s           5.10         Service brake         Electric         Electric           6.1         Drive motor rating \$2.50 min         5.90 kW         5.90 kW           6.2         Lift motor rating at \$3.15%         5.90 kW         4.8 v / 465 Ah           <   | 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       2701 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2768 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)       0.49 m/s / 0.65 m/s         5.3       Lowering speed (laden / unladen)       0.59 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         5.7       Gradeability (laden / unladen)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       0.20 m/s / 0.20 m/s         5.1       Sevrice brake       Electric         Engline       11 kW         6.1       Drive motor rating \$2.60 min       5.90 kW         6.2       Lift motor rating \$2.60 min       11 kW         6.3       Battery valcage / capacity       48 V / 465 Ah         6.5       Battery weight (*/-5%)       731 kg         Miscellaneous   | 4.26   |   | b4        | 900 mm                   |
| 4.33       Aisle width for 1000 x 1200 pallet lengthways       Ast       2701 mm         4.34       Aisle width for 800 x 1200 pallet lengthways       Ma       1598 mm         4.35       Turning radius       Ma       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)       0.49 m/s / 0.65 m/s         5.3       Lowering speed (laden / unladen)       0.59 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         6.1       Drive motor rating S2 60 min       5.90 kW         6.2       Lift motor rating S2 60 min       5.90 kW         6.2       Lift motor rating S2 60 min       5.90 kW         6.3       Battery according to DIN 45531/35/36 A, B, C       11 kW         6.4       Battery velget (-2-pacity  | 4.25.1 | Width over forks min. / max.                            | b5        | 316 mm / 697 mm          |
| 4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2768 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                    |
| 4.35       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)       0.49 m/s / 0.55 m/s         5.3       Lowering speed (laden / unladen)       0.59 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         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 at DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery weight (+/- 5%)       48 V / 465 Ah         6.5       Battery weight (+/- 5%)       48 V / 465 Ah         Miscellaneous       Electronic         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           |           | 2701 mm                  |
| Height of overhead guard (cabin)   h6   2205 mm  | 4.34   | Aisle width for 800 x 1200 pallet lengthways            | Ast       | 2768 mm                  |
| Performances           5.1         Travel speed (laden / unladen)         12.30 km/h / 12.50 km/h           5.2         Lifting speed (laden / unladen)         0.49 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         Electric           Engine           6.1         Drive motor rating \$2.60 min         5.90 kW           6.2         Lift motor rating \$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 / 465 Ah           6.5         Battery weight (+/- 5%)         731 kg           Miscellaneous           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         25 l/min  | 4.35   | Tuming radius   | Wa        | 1598 mm                  |
| 5.1       Travel speed (laden / unladen)       12.30 km/h / 12.50 km/h         5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.65 m/s         5.3       Lowering speed (with load / without load)       0.59 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         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 / 465 Ah         6.5       Battery weight (+/- 5%)       731 kg         Miscellaneous       Electronic         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 1/min  | 4.7    | Height of overhead guard (cabin)                        | h6        | 2205 mm                  |
| 5.2       Lifting speed (laden / unladen)       0.49 m/s / 0.65 m/s         5.3       Lowering speed (laden / unladen)       0.59 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 / 465 Ah         6.5       Battery weight (+/- 5%)       731 kg         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       25 1/min  |        | Performances  |           |                          |
| 5.3       Lowering speed (laden / unladen)       0.59 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 / 465 Ah         6.5       Battery weight (+/- 5%)       731 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)                          |           | 12.30 km/h / 12.50 km/h  |
| 5.4.1       Reach speed (with load / without load)       0.20 m/s / 0.20 m/s         5.7       Gradeability (laden / unladen)       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 / 465 Ah         6.5       Battery weight (+/- 5%)       731 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 / 0.65 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 / 465 Ah         6.5       Battery weight (+/- 5%)       731 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)                        |           | 0.59 m/s / 0.55 m/s      |
| 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 / 465 Ah           6.5         Battery weight (+/-5%)         731 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         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 / 465 Ah           6.5         Battery weight (+/- 5%)         731 kg           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 %         |
| 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 / 465 Ah         6.5       Battery weight (+/-5%)       731 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%       11 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN43531 B         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/-5%)       731 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       DIN43531 B         6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/-5%)       731 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                            |           | 5.90 kW                  |
| 6.4       Battery voltage / capacity       48 V / 465 Ah         6.5       Battery weight (+/-5%)       731 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%                             |           | 11 kW                    |
| 6.5         Battery weight (+/- 5%)         731 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            |           | DIN43531 B               |
| Miscellaneous  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            |
| Miscellaneous8.1Type of drive controlElectronic8.3Oil flow rate for attachments25 l/min  | 6.5    | Battery weight (+/- 5%)                                 |           | 731 kg                   |
| 8.3 Oil flow rate for attachments 25 l/min   |        | Miscellaneous   |           |                          |
| 8.3 Oil flow rate for attachments 25 l/min   | 8.1    |   |           | Electronic               |
| 8.4 Sound level at the driver's ear according to DIN 12 053 57.40 dB   | 8.3    | Oil flow rate for attachments                           |           | 25 I/min                 |
|  | 8.4    | Sound level at the driver's ear according to DIN 12 053 |           | 57.40 dB                 |

## ER 14 - Dimensional drawing



## Characteristics of masts and residual capacities

| Free Lift Triplex (FLT)                                    | FLT 48 | FLT 54 | FLT 57 | FLT 63 | FLT 68 | FLT 73 |      |
|--|--------|--------|--------|--------|--------|--------|------|
| α - Mast/fork carriage tilt, forward                       | ٠      | 3      | 3      | 3      | 3      | 3      | 3    |
| β - Mast/fork carriage tilt, backward                      | ۰      | 1      | 1      | 1      | 1      | 1      | 1    |
| h1 - Mast lowered height                                   | mm     | 2140   | 2340   | 2440   | 2640   | 2790   | 2957 |
| h2 - Mast free lift  | mm     | 1600   | 1800   | 1900   | 2100   | 2250   | 2417 |
| h3 - Mast lifting height                                   | mm     | 4800   | 5400   | 5700   | 6300   | 6800   | 7300 |
| h4 - Mast extended height                                  | mm     | 5380   | 5980   | 6280   | 6880   | 7330   | 7830 |
| Residual capacity with integrated side shift at max heigth | kg     | 1400   | 1400   | 1400   | 1000   | 700    |      |





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