Technical sheet:

## **ER 14**



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)   12.20 km/h / 12.50 km/h     5.2   Liffing 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     5.1   Service brake   Electric     Engine   Electric     6.1   Drive motor rating \$2.60 min   5.90 kW     6.2   Lift motor rating \$2.60 min   5.90 kW     6.3   Battery voltage / capacity   11 kW     6.3   Battery voltage / capacity   48 V / 465 Ah     6.5   Battery weight (+/· 5%)   731 kg     Miscellaneous   1 Electr		Technical characteristics		Metric
1.4   Operator type	1.1	Manufacturer		MANITOU
1.5	1.2	Model Name		ER 14
Max. capacity	1.3	Power source		Electrical - Lead
1.0   Load center of gravity	1.4	Operator type		Seated
1.9   Neelbase   Nee	1.5	Max. capacity	Q	1400 kg
1.9   Wheelbare   Wheelbare	1.6	Load center of gravity	С	600 mm
Neght	1.8	Load distance, centre of drive axle to fork	х	307 mm
2.1     Service weight     2710 kg       Words     Unlikelian       3.1     Tires type     1 x 355 x 155       3.2     Number of food wheels - Size of food wheels     2 x 220 x 85       3.5     Number of food wheels - Size of load wheels     1 x 355 x 155       3.5     Front wheel gauge     b10     0 mm       3.6     Front wheel gauge     b10     0 mm       4.7     Dimensions     1 12     243 mm       4.9     Overall height     ñ 7     1007 mm       4.9     Length to face of forks     11     243 amm       4.20     Overall width     j 2     125 amm       4.21     Overall width     j 2     12 amm       4.22     Foks section / width / length     j 2     4 amm x 100 mm / 1150 mm       4.21     Overall width     j 2     2 A       4.22     Foks section / width / length     j 2     4       4.23     Foks section / width / length     j 2     4       4.24     Good cleanance at center of wheela sums / nading surfaces     j 2     3	1.9	Wheelbase	у	1378 mm
Minesis   Winesis   Wine		Weight		
1	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 load wheels - Size of load wheels     2 x 220 x 85       3.5     Number of float 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     10.77 mm       4.9     Overall length     i1     243 mm       4.20     Length to face of forks     i2     126 mm       4.21     Overall width     s / 1     40 mm x 100 mm / 1150 mm       4.22     Fork section / width / length     s / 4     40 mm x 100 mm / 1150 mm       4.23     Fork section width / length     s / 4     40 mm x 100 mm / 1150 mm       4.24     Distance between wheel arms/loading surfaces     b4     900 mm       4.25     Distance between wheel arms/loading surfaces     b4     900 mm       4.25     Oscioud clearance at centre of wheelbase     m2     70 mm       4.25     Ground clearance at centre of wheelbase     m2     70 mm       4.25		Wheels		
3.3     Number of load wheels - Size of load wheels     1 / 2       3.5     Number of front wheel suge     b10     0 mm       3.7     Rear wheel gauge     b11     995 mm       4.8     Seat height/stan height     h7     1077 mm       4.19     Overall length     l1     2413 mm       4.20     Overall width     b1     1120 mm       4.21     Overall width     b1     1120 mm       4.22     Fork section / Width / length     b1     1120 mm       4.21     Overall width     s r e f     40 mm x 100 mm / 1150 mm       4.22     Fork section / Width / length     s r e f     40 mm x 100 mm / 1150 mm       4.22     Fork section / width / length     s r e f     40 mm x 100 mm / 1150 mm       4.23     Fork section / width / length     s r e f     40 mm x 100 mm / 1150 mm       4.24     Oistance between wheel arms/loading surfaces     b5     316 mm / 697 mm       4.25.1     Width over fork min. / max.     x     270 mm       4.25.1     Gound clearance actente of wheelases     m2     70 mm       4.32	3.1	Tires type		Vulkollan
3.5     Number of front wheels / rear wheels     1 / 2       3.6     Front wheel gauge     b10     0 mm       0 Dimensions     b11     999 mm       4.8     Seat height/stand height     h7     1077 mm       4.19     Overall length     11     2413 mm       4.20     Length of face of forks     12     1263 mm       4.21     Coverall width     b1     1120 mm       4.22     Fork section / width / length     s / e / 1     40 mm x 100 mm / 1150 mm       4.23     Fork section / width / length     s / e / 1     40 mm x 100 mm / 1150 mm       4.24     Fork carriage ISO 2228 (class/from) A/B     x / e / 2     2A       4.25     Fork carriage ISO 2228 (class/from) A/B     b5     316 mm / 697 mm       4.26     Distance between week arms/laading surfaces     b4     900 mm       4.25 I middly for fork min / max     b5     316 mm / 697 mm     2270 mm       4.25 I mingly for fork min / max     b5     316 mm / 697 mm     2700 mm       4.33 I mingly for fork min / max     k1     2768 mm       4.34 I mingly for fork min / max	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     995 mm       4.8     Seat height/stand height     h7     1077 mm       4.19     Overall leight     11     2413 mm       4.20     Length to face of forks     12     1263 mm       4.21     Overall width     5 / 2     40 mm x100 mm / 1150 mm       4.22     Fork carriage ISO 3238 (class/form) A/B     5 / 6/1     40 mm x100 mm / 1150 mm       4.23     Fork carriage ISO 3238 (class/form) A/B     5 / 6/1     40 mm x100 mm / 1150 mm       4.25     Distance between wheel amms/loading surfaces     5 / 6     40 mm x100 mm / 1150 mm       4.26     Distance between wheel amms/loading surfaces     5 / 6     40 mm x100 mm / 1150 mm       4.21     Width over forks min. / max.     5 / 70 mm     2 / 70 mm       4.22     Giound clearance at centre of wheelbase     m2     70 mm       4.31     Asise width for 1000 x 1200 pallet lengthways     Ast     2701 mm       4.32     Turning radius     Max     1596 mm       5.2     Lifting speed (laden / uniladen)	3.3	Number of load wheels - Size of load wheels		2 x 220 x 85
3.7     Rear wheel gauge     b11     995 mm       18     Olmensions     1       4.8     Sear height stand height     h7     1077 mm       4.19     Overall length     11     2413 mm       4.20     Length of ace of forks     12     21268 mm       4.21     Fork carriage ISO 22328 (class/form) A/B     5 / e/1     40 mm x 100 mm / 1150 mm       4.22     Fork carriage ISO 22328 (class/form) A/B     5 / e/1     40 mm x 100 mm / 1150 mm       4.25     Fork carriage ISO 22328 (class/form) A/B     5 / e/1     40 mm x 100 mm / 1150 mm       4.25     Fork carriage ISO 22328 (class/form) A/B     5 / e/1     40 mm x 100 mm / 1150 mm       4.25     Fork carriage ISO 22328 (class/form) A/B     5 / e/1     40 mm x 100 mm / 1150 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       4.32     Alste width for 800 x 1200 pallet lengthways     Ast     270 mm       4.33     Alste width for 800 x 1200 pallet lengthways     Ast     270 mm       4.35     Turning radiu	3.5	Number of front wheels / rear wheels		1/2
3.7     Rear wheel gauge     b11     995 mm       18     Olmentions     1       4.8     Sear height/stand height     h7     1077 mm       4.19     Overall length     11     2413 mm       4.20     Length to face of forks     12     21265 mm       4.21     Fork carriage ISO 2328 (class/form) A/B     5 / e/1     40 mm x 100 mm / 1150 mm       4.22     Fork carriage ISO 2328 (class/form) A/B     5 / e/1     2A       4.23     Fork carriage ISO 2328 (class/form) A/B     5 / e/1     40 mm x 100 mm / 1150 mm       4.25     Fork carriage ISO 2328 (class/form) A/B     5 / e/2     2A       4.26     Distance between wheel amm/soding 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     A sile width for 800 x 1200 pallet lengthways     Ast     270 mm       4.34     A isle width for 800 x 1200 pallet lengthways     Ast     21 mm     270 mm       4.35     Tuning radiu     Max length of whoth 2	3.6	Front wheel gauge	b10	0 mm
4.8     Seat height/stand height     h7     1077 mm       4.19     Overall length     i1     2.413 mm       4.20     Length to face of forks     i2     12.636 mm       4.21     Overall width     b1     1120 mm       4.22     Fork section / width / length     s e / 1     40 mmx / 100 mm / 1150 mm       4.23     Fork carriage ISO 2328 (class/form) A/B     2.4     2.4       4.26     Distance between wheel amms/loading surfaces     b4     900 mm       4.25.1     Width over forks min. / max.     b5     316 mm / 697 mm       4.27.1     Ground clearance at centre of wheelbase     b5     316 mm / 697 mm       4.28.2     Ground clearance at centre of wheelbase     Ast     2.701 mm       4.32     Alsie width for 1000 x 1200 pallet lengthways     Ast     2.701 mm       4.33     Alsie width for 1000 x 1200 pallet lengthways     Ast     2.7266 mm       4.35     Timing radius     Ma     1.758 mm       4.35     Timing radius     1.8     2.768 mm       5.2     Travel speed (laden / unladen)     9.04 m/s / 0.05 m/s	3.7		b11	995 mm
4.19   Overall length face of forks   11   2413 mm     4.20   Length to face of forks   12   12563 mm     4.21   Forks section /width / length   5 / e / l   40 mm x 100 mm / 1150 mm     4.22   Fork saminge ISO 2232 (class/form) A/B   5 / e / l   40 mm x 100 mm / 1150 mm     4.23   Fork caminge ISO 2232 (class/form) A/B   5    316 mm / 697 mm     4.24   Width over forks min. / max.   55   316 mm / 697 mm     4.25.1   Width over forks min. / max.   55   316 mm / 697 mm     4.26   Ground clearance at centre of wheelbase   m2   70 mm     4.27   Alsie width for 1000 x 1200 pallet lengthways   Ast   2701 mm     4.33   Alsie width for 900x 1200 pallet lengthways   Ast   2728 mm     4.34   Alsie width for 800x 1200 pallet lengthways   Ast   2728 mm     4.35   Tuming radius   Ma   1598 mm     4.7   Height of overhead guard (cabin)   Ma   1598 mm     5.1   Tave Ispeed (laden / unladen)   10.49 m/s / 0.55 m/s     5.3   Lifting speed (laden / unladen)   0.49 m/s / 0.25 m/s     5.1   Gradeab				
4.19   Overall length face of forks   11   2413 mm     4.20   Length to face of forks   12   12 1263 mm     4.21   Forks section /with / length   5 / e / l   40 mm x 100 mm / 1150 mm     4.22   Fork sacriage ISO 2328 (class/form) A/B   5 / e / l   40 mm x 100 mm / 1150 mm     4.23   Fork carriage ISO 2328 (class/form) A/B   5 316 mm / 697 mm     4.24   Width over forks min./ max.   55   316 mm / 697 mm     4.25.1   Width over forks min./ max.   55   316 mm / 697 mm     4.26   Ground clearance at centre of wheelbase   m2   70 mm     4.27   Alsle width for 900x x 1200 pallet lengthways   Ast   2701 mm     4.33   Alsle width for 900x x 1200 pallet lengthways   Ast   2788 mm     4.34   Alsle width for 900x x 1200 pallet lengthways   Ast   2788 mm     4.35   Turning radius   Ma   1598 mm     4.7   Height of overflead guard (cabin)   Bit   12.30 km/h 12.50 km/h     5.1   Tavel speed (laden / unladen)   10.49 m/s / 0.55 m/s     5.2   Lifting speed (laden / unladen)   0.49 m/s / 0.55 m/s     5.1   G	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     Fork section / width / length     s / e / l     40 mm x 100 mm / 1150 mm       4.23     Fork carriage ISO 2328 (class/form) A/B     2A       4.26     Distance between wheel amms/loading surfaces     b4     900 mm       4.25.1     Width over forks min / max.     b5     316 mm / 697 mm       4.29     Ground clearance at centre of wheelbase     m2     70 mm       4.32     Aisle width for 1000 x 1200 pallet lengthways     Ast     2701 mm       4.33     Aisle width for 1000 x 1200 pallet lengthways     Ast     27768 mm       4.34     Aisle width for 1000 x 1200 pallet lengthways     Ma     1598 mm       4.35     Tuming radius     Ma     1768 mm       4.37     Height of overhead guard (cabin)     Ma     12.200 km/h       5.1     Tavel speed (laden / unladen)     0.0 49 m/s / 0.55 m/s       5.2     Lifting speed (laden / unladen)     0.0 9 m/s / 0.55 m/s       5.1     Gradeability (aden / unladen)     0.0 9 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 / l     40 mm x 100 mm / 1150 mm       4.23     Fork carriage ISO 2328 (class/fom) A/B     2A       4.26     Distance between wheel amms/loading surfaces     b4     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     A sile width for 800 x 1200 pallet lengthways     Ast     2701 mm       4.34     A isle width for 800 x 1200 pallet lengthways     Ast     2701 mm       4.35     Tuming radius     Ma     1598 mm       4.7     Height of overhead guard (cabin)     Ma     1598 mm       4.7     Tavel speed (laden / unladen)     Ma     12.30 km/h / 12.50 km/h       5.2     Lifting speed (laden / unladen)     0.9 m/s / 0.55 m/s     0.59 m/s / 0.55 m/s       5.3     Lowering speed (with load / without load)     0.20 m/s / 0.20 m/s     0.59 m/s / 0.55 m/s       5.1     Reach speed (with load / without load)     To 2.02 m/s / 0.20 m/s     0.20 m/s / 0.20 m/s	4.20		12	1263 mm
4.22     Foks section / width / length     s / L     40 mmx 100 mm / 1150 mm       4.23     Fok carriage ISO 2388 (class/fom) A/B     2A       4.26     Distance between wheel ams/loading surfaces     b4     900 mm       4.25.1     Width over flook smin. / 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 1000 x 1200 pallet lengthways     Wa     2768 mm       4.35     Tuming radius     Wa     1598 mm       4.70     Height of overhead guard (cabin)     Wa     1598 mm       4.71     Height of overhead guard (nalden)     B1     12.30 km/h / 12.50 km/h       5.1     Tavel speed (laden / unladen)     9.04 m/s / 0.55 m/s     10.49 m/s / 0.55 m/s       5.2     Lifting speed (laden / unladen)     9.02 m/s / 0.20 m/s     0.59 m/s / 0.55 m/s       5.1     Reach speed (with load / without load)     9.02 m/s / 0.20 m/s     10.20 m/s / 0.20 m/s       5.1     Service bax     15 Electric       6.1     Drive				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     2708 mm       4.35     Tuming radius     h6     2205 mm       4.7     Height of owerhead guard (cabin)     h6     2205 mm       5.1     Travel speed (laden / unladen)     6     200 mm/s / 0.55 m/s       5.2     Lifting speed (laden / unladen)     0.49 m/s / 0.55 m/s     0.59 m/s / 0.55 m/s       5.3     Lowering speed (laden / unladen)     0.20 m/s / 0.20 m/s / 0.20 m/s     0.59 m/s / 0.55 m/s       5.1     Reach speed (with load / without load)     0.20 m/s / 0.20 m/s     0.59 m/s / 0.55 m/s       5.1     Sewice brake     1electric     1kW       6.1     Dive motor rating s2.50 min     5.90 kW     1kW       6.2     Li		Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm
4.26   Distance between wheel amms/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 800 x 1200 pallet lengthways   Ast   2701 mm     4.34   Aisle width for 800 x 1200 pallet lengthways   Wa   1598 mm     4.35   Tuning radius   Wa   1598 mm     4.7   Heljth 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     5.2   Lifting speed (laden / unladen)   0.49 m/s / 0.65 m/s     5.3   Lowering speed (laden / unladen)   0.20 m/s / 0.20 m/s / 0.20 m/s     5.1   Reach speed (with load / without load)   0.20 m/s / 0.20 m/s     5.1   Gradeability (laden / unladen)   0.20 m/s / 0.20 m/s     5.1   Engline   1.1 kW     6.1   Drive brake   Electric     6.2   Lift motor rating at S3 15%   1.1 kW     6.3   Battery voltage / capacity   48 V / 465 Ah </td <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   2701 mm     4.34   Aisle width for 800 x 1200 pallet lengthways   Ast   2706 mm     4.35   Turning radius   Wa   1598 mm     4.7   Height of overhead guard (cabin)   h6   2205 mm     4.7   Performances	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   Wa   1598 mm     4.35   Turning adius   h6   2205 mm     4.7   Height of overhead guard (cabin)   h6   2205 mm     5.1   Ferformances   12.30 km/h / 12.50 km/h     5.1   Travel speed (laden / unladen)   0.49 m/s / 0.65 m/s     5.2   Lifting speed (laden / unladen)   0.49 m/s / 0.55 m/s     5.4   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     5.7   Gradeability (laden / unladen)   0.20 m/s / 0.20 m/s     5.1   Engine   Electric     6.1   Drive motor rating \$2.60 min   5.90 kW     6.2   Lift motor rating \$2.60 min   5.90 kW     6.3   Battery vaccording to DIN 43531/35/36 A, B, C   11 kW     6.4   Battery valiage / capacity   48 V / 465 Ah     6.4   Battery weight (+/- 5%)   48 V / 465 Ah     6.   Battery weight (+/- 5%)   731 kg     6.   Battery weight (-/- 5%)	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">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">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 / 0.65 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 / 0.20 m/s     5.7   Gradeability (laden / unladen)   7.50 % / 11.10 %   1.00 m/s   0.20 m/s	4.33	Aisle width for 1000 x 1200 pallet lengthways		2701 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     5.7   Gradeability (laden / unladen)   0.20 m/s / 0.20 m/s     5.7   Service brake   Electric     6.1   Drive motor rating \$2.60 min   5.90 kW     6.2   Lift motor rating \$2.50 min   5.90 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   Incompany   Electronic     8.1   Type of drive control   Electronic     8.3   Oil flow rate for attachments   55 //min	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)     0.59 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 woltage / 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		Wa	1598 mm
Performances       5.1     Travel speed (laden / unladen)     12.30 km/h / 12.50 km/h       5.2     Lifting speed (laden / unladen)     0.49 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       Engine       6.1     D rive 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 woltage / 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	4.7	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 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 / 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     5.3   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 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 / 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			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			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
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	5.4.1	- , ,		0.20 m/s / 0.20 m/s
Service bake   Electric     Engine   Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Co	5.7			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	,		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     8.1   Type of drive control   Electronic     8.3   Oil flow rate for attachments   25 l/min		Engine		
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 / 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			5.90 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				
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				
6.5   Battery weight (+/- 5%)   731 kg     Miscellaneous     8.1   Type of drive control   Electronic     8.3   Oil flow rate for attachments   25 l/min		•		
Miscellaneous     Electronic       8.1     Type of drive control     Electronic       8.3     Oil flow rate for attachments     25 l/min				
8.1Type of drive controlElectronic8.3Oil flow rate for attachments25 l/min	0.0	, , ,		
8.3 Oil flow rate for attachments 25 I/min	8.1			Electronic
		••		
	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	۰	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	





## **Head Office**

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