Technical sheet:

ER 14



Mainstacture		Technical characteristics		Metric
1.4 Openshr type	1.1	Manufacturer		MANITOU
1.5 Max. capacity Q 1.460 kg	1.2	Model Name		ER 14
1.5 Max. capacity c 600 mm 1.8 Load cleater of gravity c 600 mm 1.9 Wheelbase y 1378 mm 2.1 Service weight 2 2710 kg 2.1 Service weight 2 2710 kg 3.1 Time type 1,1255 x 155 15.3 3.2 Number of dire wheels - Size of drie wheels 1,1255 x 155 15.2 3.3 Number of fload wheels - Size of and wheels 1,12 x 55 x 155 17.2 3.6 Front wheel gauge 511 95 mm 17.2 3.6 Front wheel gauge 511 95 mm 17.2 3.6 Front wheel gauge 511 95 mm 17.2 4.8 Sax height/stach height 57 1077 mm 4.8 Sax height/stach height 57 1077 mm 4.2 Length b face of fack 12 12 253 mm 4.2 Foks section by width - length 5 / 4 40 mm x 100 mm / 1150 mm 4.2 Foks section by width - length	1.3	Power source		Electrical
1.6 Load celeret of gravity c 600 mm 1.8 Load cistance, center of drive axis to fook x 387 mm 1.9 Wiselbase y 1378 mm 1.0 Service weight 2 2710 kg 1.0 Service weight 3 1.0 11 x 355 x 155 3.5.2 Number of foritw wheels. Size of drive wheels 1.7 2 2 x 220 x 85 3.5 Number of form wheels of gravitheels 1.7 2 1.7 2 3.5 Number of form wheels of gravitheels 1.7 2 1.7 2 3.5 Number of form wheels of gravitheels 1.7 2 1.7 2 3.5 Number of form wheels of gravitheels 1.7 2 1.7 2 3.6 Front wheel gauge bit 0 0 mm 4.2 Post seeded of form wheels 1.7 107 mm 1.7 107 mm 4.1 Overall length 1.7 1077 mm 1.0 107 mm 4.2 Fost seeden of vide helpits 1.2 243 mm 1.2 243 mm 4.2 Fost seeden of vide helpits 1.2 443 mm 1.2 243 mm	1.4	Operator type		Seated
1.0 Wheelbase Yes 137 mm 137 mm 138	1.5	Max. capacity	Q	1400 kg
1.9 Wheelbase Wheelbase	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 Wides Wides 3.1 Tires type Vulkollan 3.2 Number of firet wheels - Size of fire wheels 2.2 x 20x x 55 3.5 Number of front wheels - Size of load wheels 2.2 x 20x x 55 3.6 Front wheel gauge b10 0 mm 3.6 Front wheel gauge b11 995 mm 4.8 Sax height/stank height 5.7 10 mm 4.9 Overall heigh 7.7 1077 mm 4.9 Length to face of forks 11 2413 mm 4.20 Cerull width 12 122 22 4.20 Length to face of forks 11 2413 mm 4.21 Overall width 191 1120 mm 4.22 Foks section / width / length 5 x e/1 40 mm x 100 mm / 1150 mm 4.22 Foks section / width / length 5 x e/1 40 mm x 100 mm / 1150 mm 4.25 Not carriage (size forks min / max. 5 x e/1 40 mm x 100 mm 4.25 Width over fixs min / max.	1.9	Wheelbase	у	1378 mm
Nicelia Tires type		Weight		
1 1 1 1 1 1 1 1 1 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 1 / 2 3.5 Number of front wheel gauge b10 0 mm 3.7 Rear wheel gauge b10 995 mm 4.8 Seat height/stand height h7 1077 mm 4.8 Seat height/stand height h7 1077 mm 4.9 Length to face of forks 12 1263 mm 4.21 Overall width 5 / 4 40 mm x 100 mm / 150 mm 4.22 Fork section / width / length 5 / 4 40 mm x 100 mm / 150 mm 4.23 Fork section width / length 5 / 4 40 mm x 100 mm / 150 mm 4.24 Pork carriage ISO 2238 (class / form) A/B 2 / 4 40 mm x 100 mm / 150 mm 4.25 Midth over forks inni. / max. 5 / 5 31 mm / 697 mm 4.25 Oistone between wheel amms/loading surfaces b4 900 mm 4.25 Width over forks inni. / max. 5 / 3 3 mm / 697 mm 4.25 Width over forks inni. / max. 5 / 3 3 mm / 697		Wheels		
3.3 Number of load wheels - Size of load wheels 1 / 2 3.5 Number of front wheels / raw whels 1 / 2 3.6 Forth wheel gauge b10 0 mm 3.7 Rear wheel gauge b11 995 mm 4.8 Seat height/stand helght h7 1077 mm 4.9 Overall length i1 2413 mm 4.20 Overall width b1 1120 mm 4.21 Overall width b1 1120 mm 4.22 Foks section / width / length s / s / l 40 mm x 100 mm / 1150 mm 4.22 Foks section / width / length s / s / l 40 mm x 100 mm / 1150 mm 4.23 Foks section / width / length s / s / l 40 mm x 100 mm / 1150 mm 4.24 Foks section / width / length s / s / l 40 mm x 100 mm / 1150 mm 4.25 Foks section / width / length s / s / l 40 mm x 100 mm / 1150 mm 4.25 Oistance between wheel ams/loading surfaces b5 316 mm / 697 mm 4.25 Oistance between wheel ams/loading surfaces b5 316 mm / 697 mm <	3.1	Tires type		Vulkollan
3.5 Number of front wheels / rear wheels 1 / 2 3.6 Front wheel gauge b10 0 mm 3.7 Rear wheel gauge b11 995 mm 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length 11 2413 mm 4.20 Length of ace of forks 12 1263 mm 4.21 Fork section / width / length 5 / e / l 40 mm x 100 mm / 1150 mm 4.22 Fork carriage ISO 2228 (class/form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2228 (class/form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.24 Fork carriage ISO 2228 (class/form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.25 Fork carriage ISO 2228 (class/form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.25 Fork carriage ISO 2228 (class/form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.25 Ground cleannee at centre of wheelbase m 2 / o / o / o / o / o / o / o / o / o /	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 4.9 Overall length I1 2413 mm 4.20 Length to face of forks 12 1263 mm 4.21 Overall width 5 re/1 40 mmx 100 mm /1150 mm 4.22 Fork section / width / length 5 re/1 40 mmx 100 mm /1150 mm 4.23 Fork carriage ISO 2228 (class/form) A/B 2 2A 4.26 Distance between wheel amms/looding surfaces 94 900 mm 4.27 Width over forks min. / max. b5 316 mm/ 1697 mm 4.28 Ground clearance at centre of wheelbase m2 70 mm 4.31 Asie width for 1000 x 1200 pallet lengthways Ast 22701 mm 4.32 Asie width for 1000 x 1200 pallet lengthways Ast 2276 mm 4.31 Lifting speed (lader) unladen) Ma 1598 mm 5.7 Travel speed (lader) unladen) 10 0.9 m/s / 0.55 m/s <tr< td=""><td>3.3</td><td>Number of load wheels - Size of load wheels</td><td></td><td>2 x 220 x 85</td></tr<>	3.3	Number of load wheels - Size of load wheels		2 x 220 x 85
3.7 Rear wheel gauge bit 995 mm 4.8 8.8 sea height stand height h7 1077 mm 4.19 Overall length 11 2413 mm 4.20 Length to face of forks 12 122 mg 122 mg 4.21 Fork carriage ISO 2328 (class/form) A/B 5 fe/1 40 mm x 100 mm / 1150 mm 4.22 Fork carriage ISO 2328 (class/form) A/B 5 fe/1 40 mm x 100 mm / 1150 mm 4.25 Fork carriage ISO 2328 (class/form) A/B 46 900 mm 4.26 Distance between wheel amm/loading surfaces 40 900 mm 4.27 Width over forks min. / max. 45 316 mm / 697 mm 4.28 Ground clearance at centre of wheelanges 40 900 mm 4.32 Ground clearance at centre of wheelanges 42 70 mm 4.33 Alsie width for 1000 x 1200 pallet lengthways Ast 2706 mm 4.34 Alsie width for 800 x 1200 pallet lengthways Ast 2720 mm 4.35 Tuming radius 15 12.30 km/h 12.50 km/h 5.1 Travel speed (3.5	Number of front wheels / rear wheels		1/2
	3.6	Front wheel gauge	b10	0 mm
4.8 Seatheight/stand height h7 1077 mm 4.19 Overall length 11 2413 mm 4.20 Length to face of forks 12 1683 mm 4.21 Overall width b1 1120 mm 4.22 Fork section / width / length 51 1120 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 56 316 mm / 697 mm 4.24 Distance between wheel arms/loading surfaces b4 900 mm 4.25.1 Width over fork min / max. b5 316 mm / 697 mm 4.25.2 Ground clearance at centre of wheelbase m2 70 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.32 Asis width for 1000 x 1200 pallet lengthways Ast 2701 mm 4.33 Alsie width for 900 x 1200 pallet lengthways Ast 2768 mm 4.35 Tuming radius M3 158 mm 4.35 Height of overhead guard (cabin) M3 158 mm 5.2 Lifting speed (laded n unladen) 0.49 m/s / 0.55 m/s 5.3 </td <td>3.7</td> <td>Rear wheel gauge</td> <td>b11</td> <td>995 mm</td>	3.7	Rear wheel gauge	b11	995 mm
4.19 Overall length face of forks 11 2413 mm 4.20 Length to face of forks 12 1263 mm 4.21 Overall width 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 ams/loading surfaces b5 336 mm / 697 mm 4.27 Width over forks min / max. b5 336 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Alsle width for 1000 x 1200 pallet lengthways Ast 2761 mm 4.34 Alsle width for 900x x 1200 pallet lengthways Ast 2768 mm 4.35 Turning radius Wa 1598 mm 4.7 Height of overhead guard (cabin) Wa 1598 mm 4.7 Travel speed (laden / unladen) 0.49 m/s / 0.65 m/s 5.3 Lifting speed (laden / unladen) 0.49 m/s / 0.65 m/s 5.1 Reach speed (with load / without load) 0.00 m/s / 0.05 m/s 5.1 Gradeability (laden / unladen) 0.00 m/s / 0.05 m/s		Dimensions		
4.20 Length to ace of forks 12 1268 mm 4.21 Overall width b1 1120 mm 4.22 Fork section / width / length s / e/ 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 4.27 Ground clearance at centre of wheelbase m2 70 mm 4.32 Ground clearance at centre of wheelbase m2 2701 mm 4.33 Alsie width for 1000 x 1200 pallet lengthways Ast 2768 mm 4.34 Alsie 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 4.7 Height of overhead guard (with uniaden) 0.49 m/s / 0.55 m/s 5.1 Tawel speed (laden / unladen) 0.9 m/s / 0.55 m/s 5.2 Lifting speed (laden / unladen) 0.9 m/s / 0.55 m/s 5.	4.8	Seat height/stand height	h7	1077 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 2238 (class/fom) 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 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.32 A sile width for 1000 x 1200 pallet lengthways m2 70 mm 4.33 A sile width for 800 x 1200 pallet lengthways Ast 27201 mm 4.34 A lise width for 800 x 1200 pallet lengthways Ma 1598 mm 4.35 Tuming radius Ma 1598 mm 4.36 Tuming radius Ma 1598 mm 4.7 Height of overhead guard (cabin) Ma 200 mm 5.1 Tavel speed (laden / unladen) 9.04 m/s / 0.56 m/s 0.20 m/s / 0.20 m/s 5.2 Lifting speed (laden / unladen) 9.09 m/s / 0.56 m/s 0.20 m/s / 0.20 m/s 5.1 Reach speed (with load / without load)<	4.19	Overall length	l1	2413 mm
4.22 Forks section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2388 (class/form) A/B 2A 4.26 Distance between wheel ams/loading surfaces b5 316 mm / 697 mm 4.25.1 Width over flox 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 Ast 2701 mm 4.35 Turning radius Wa 1598 mm 4.7 Height of overhead guard (cabin) Ma 1598 mm 4.7 Height of overhead guard (malden) Tavel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 10.49 m/s / 0.56 m/s 10.49 m/s / 0.55 m/s 5.3 Lowering speed (laden / unladen) Tower beat we will will will unladen 10.20 m/s / 0.20 m/s 10.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) Tower beat we will will will unladen 11 kW 11 kW 6.1<	4.20	Length to face of forks	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 2768 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 owerhead 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 \$2.50 min 5.50 kW 6.2 Lift motor rating at \$3.15% 11 kW <td>4.21</td> <td>Overall width</td> <td>b1</td> <td>1120 mm</td>	4.21	Overall width	b1	1120 mm
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 2768 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ma 1598 mm 4.35 Tuming radius Wa 1598 mm 4.7 Heljoht 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 1.50 km/h 5.2 Lifting speed (laden / unladen) 0.99 m/s / 0.55 m/s 0.55 m/s 5.3 Lowering speed (laden / unladen) 0.99 m/s / 0.55 m/s 0.55 m/s 5.1 Reach speed (with load / without load) 7.50 k/ 11.10 k 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 9 1.50 km/h 0.20 m/s / 0.20 m/s 5.10 Engine 1 5.90 kW 11 kW	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 2701 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ma 1598 mm 4.35 Tuming radius Ma 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 4.7 Performances 12.30 km/h / 12.50 km/h 12.00 km/h / 12.50 km/h 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.55 m/s 12.00 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.59 m/s / 0.55 m/s 12.00 m/s / 0.55 m/s 5.3 Lowering speed (laden / unladen) 0.20 m/s / 0.55 m/s 12.00 m/s / 0.55 m/s 5.4 Reach speed (with load / without load) 0.20 m/s / 0.55 m/s 12.00 m/s / 0.55 m/s 5.7 Gradeability (laden / unladen) 0.20 m/s / 0.50 m/s 11.10 km 5.1 Engine 11 km 11 km 6.2 Lift motor rating at S3 15% 11 km 11 km 6.3 Battery voltage / capacity 48 t/ 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 Pengine Electric 6.1 Drive motor rating \$2.60 min 5.90 kW 6.2 Lift motor rating \$2.60 min 11 kW 6.3 Battery voltage / capacity 48 V / 465 Ah 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (*/· 5%) 731 kg	4.26	Distance between wheel arms/loading surfaces	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 Ast 2768 mm 4.35 Turning radius Wa 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 5.1 Travel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 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) 5.00 km/s / 0.20 m/s 5.10 Service brake 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 according to DIN 43531/35/36 A, B, C 11 kW 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 731 kg 6.6 Battery weight (+/- 5%) 731 kg 6.7 Miscellaneous 18 Electronic	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 to DIN 43531/35/36 A, B, C DIN43531 B 6.4 Battery weight (+/- 5%) 731 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		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) 0.59 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 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	4.35	Turning 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 1/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 1/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 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		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 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 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%)		731 kg
8.3 Oil flow rate for attachments 25 l/min		Miscellaneous		
	8.1	Type of drive control		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 l/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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