Technical sheet:

ER 14



Manufacture		Technical characteristics		Metric
1.4 Openstor type	1.1	Manufacturer		MANITOU
1.4	1.2	Model Name		ER 14
1.5 Max. capacity c 600 mm 1.8 Load distance, center of drive axie to fork x 307 mm 1.9 Wheelbase y 1378 mm 2.1 Service weight 2710 kg 3.1 Times type Wuklafan 3.1 Times type 1x 155x 155 3.2 Number of drive wheels - Size of drive wheels 1x 25x 25x 155 3.3 Number of front wheels / sear wheels 1x 25x 25x 155 3.3 Number of front wheels / sear wheels 1x 2x 220x 85 3.3 Number of front wheels / sear wheels 1x 12x 25x 155 3.3 Number of front wheels / sear wheels 1x 12x 25x 155 3.3 Number of front wheels / sear wheels 1x 12x 25x 155 3.4 Number of front wheels / sear wheels 1x 12x 25x 155 3.5 Number of front wheels / sear wheels 1x 12x 25x 155 3.6 Para wheel gauge 1x 10x 12x 12x 4.8 See theight/stand helph 1x 10x 12x 12x 4.8 See theight/stand helph 1x 10x 12x 12x 12x 4.2	1.3	Power source		Electrical - Lead
1.6 Load center of gravity 6 600 mm 1.8 Load distance, center of drive axis to fook x 307 mm 1.9 Wheelbase y 1378 mm 1.0 Service welght 2 2710 kg 1.0 Service welght 2 1 Valkellan 3.5.2 Number of flow wheels - Size of driew wheels 1 x 355 x 155 3.5 Number of flowtheels - Size of flow wheels 1 x 25 x 155 3.5 Number of flowtheels - Size of flow wheels 1 x 25 x 155 3.5 Number of flowtheels - Size of flow wheels 1 x 2 x 22x 28 5 3.5 Pont wheel gauge b10 0 mm 3.6 Font wheel gauge b10 0 mm 4.1 2 1 x 2 x 2x 2x 85 1 x 2 x 2x 2x 85 3.5 Pont wheel gauge b10 0 mm 4.2 Pont wheel gauge b10 0 mm 4.1 2 1 x 24 x 2x 2x 2x 85 1 x 24 x 2x 2x 2x 85 4.2 Pont wheel gauge 2 2 x 2x 2x 2x 85 4.2 E	1.4	Operator type		Seated
1.8 Very Melbase X y 307 mm 2.1 Service weight	1.5	Max. capacity	Q	1400 kg
1.9	1.6	Load center of gravity	С	600 mm
Neight Service weight Service weig	1.8	Load distance, centre of drive axle to fork	х	307 mm
Service weight	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 107 mm 4.9 Coverall length h7 107 mm 4.20 Coverall width b1 241 mm 4.21 Overall width b1 122 mm 4.22 Fook section / width / length s / e/ 1 40 mm x 100 mm / 1150 mm 4.23 Fook carriage ISO 2232 (class from) A/B s / e/ 1 40 mm x 100 mm / 1150 mm 4.24 Width over forks min. / max. b5 316 mm / 697 mm 4.25 Giound clearance at centre of wheelbase m2 70 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		
3.3 Number of load wheels - Size of load wheels 1.72 3.5 Number of front wheel gauge 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 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 carrage (S02 228 (class/mm) A/B 5 / e / l 40 mm x 100 mm / 150 mm 4.24 Fork carrage (S02 228 (class/mm) A/B 5 / e / l 40 mm x 100 mm / 150 mm 4.25 Oistance between wheel ams/loading surfaces b4 900 mm 4.25 Oistance between wheel ams/loading surfaces b5 315 mm / 697 mm 4.25 Oistance between wheel ams/loading surfaces b5 315 mm / 697 mm 4.25 Oistance between wheel ams/loading surfaces b5 315 mm / 697 mm 4.25 Oistance between wheel ams/loading surfaces	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 995 mm 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length i1 2413 mm 4.20 Length of face of forks i2 1258 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/form) A/B z / 2 2A 4.26 Distance between wheel amms/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 Width over forks min / max b5 316 mm / 697 mm 4.32 Aiste width for 800 x 1200 pallet lengthways A81 2766 mm 4.34 Aiste width for 800 x 1200 pallet lengthways A81 2766 mm 4.7 Height 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 4.19 Overall length 11 2413 mm 4.20 Length to face of forks 12 1263 mm 4.21 Overall width 5 / 2 40 mm x 100 mm / 150 mm 4.22 Fork section / width / length 5 / 2 40 mm x 100 mm / 150 mm 4.23 Fork carriage SD 22/32 (class/form) A/B 2 2A 4.26 Distance between wheel amms/loading surfaces b4 900 mm 4.27 Width over forks min. / max. b5 316 mm / 697 mm 4.28 Giound clearance at centre of wheelbase m2 70 mm 4.32 Asie width for 1000 x 1200 pallet lengthways ASI 2276 mm 4.33 Asie width for 1000 x 1200 pallet lengthways ASI 2276 mm 4.34 Asie width for 1000 x 1200 pallet lengthways ASI 2276 mm 5.7 Tuming radiu Wa 1598 mm <td< td=""><td>3.3</td><td>Number of load wheels - Size of load wheels</td><td></td><td>2 x 220 x 85</td></td<>	3.3	Number of load wheels - Size of load wheels		2 x 220 x 85
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 1126 mm 4.21 Overall width b1 1120 mm 4.22 Fork cardiage ISO 2232 (class/form) A/B \$ e/1 40 mm x 100 mm / 1150 mm 4.23 Fork cardiage ISO 2232 (class/form) A/B \$ e/1 40 mm x 100 mm / 1150 mm 4.25 Fork cardiage ISO 2232 (class/form) A/B \$ e/1 40 mm x 100 mm / 1150 mm 4.26 Distance between wheel amm/loading surfaces \$ 44 900 mm 4.25 Width over forks min. / max. \$ 5 316 mm / 697 mm 4.26 Distance between wheel amm/loading surfaces \$ 44 900 mm 4.27 Width over forks min. / max. \$ 5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase \$ 2 70 mm 4.33 Alsie width for 800 x 1200 pallet lengthways \$ 43 \$ 45 \$ 158 mm 4.35 Turning adu	3.5	Number of front wheels / rear wheels		1/2
	3.6	Front wheel gauge	b10	0 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 1283 mm 4.21 Overall width b1 1120 mm 4.22 Fork seetion / width / length s e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2232 (class/form) A/B b4 900 mm 4.24 Distance between wheel amms/loading surfaces b4 900 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.25.2 Ground clearance at centre of wheelbase m2 70 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.32 Asile width for 1000 x 1200 pallet lengthways Ast 2761 mm 4.33 Alsie width for 800 x 1200 pallet lengthways Ast 2768 mm 4.35 Tuming radius M8 2768 mm 4.35 Tuming radius M8 2768 mm 5.2 Electrical Ministry of Lengthy 6.200 mm / 5.05 m/s 5.3 <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 11 2413 mm 4.20 Length to face of forks 12 1263 mm 4.21 Overall width to face of forks bt 11 120 mm 4.22 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2292 (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 Alse width for 1000 x 1200 pallet lengthways Ast 2761 mm 4.34 Alse width for 3000 x 1200 pallet lengthways Ast 2788 mm 4.35 Turning radius Wa 1598 mm 4.34 Height of overhead guard (cabin) B6 2205 mm 4.7 Height of overhead guard (cabin) B6 2205 mm 5.2 Tavel speed (laden / unladen) B1 2.30 km/h / 12.50 km/h 4 5.3 Lovering speed (laden / unladen) B0 2.00 m/s / 10.55 m/s 5 5.1 Gradeability (lade		Dimensions		
4.20 Length to ace of forks 12 1263 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 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 4.32 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 Turning radius Wa 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 4.7 Height of overhead guard (without load) 112.30 km/h / 12.50 km/h 5.1 Tavel speed (laden / unladen) 0.49 m/s / 0.55 m/s 5.3 Lowering speed (laden / unladen) 0.9 m/s / 0.55 m/s	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 2328 (class/fom) A/B Distance between wheel amms/loading surfaces b4 900 mm 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 Asle width for 1000 x 1200 pallet lengthways ast 2701 mm 4.34 Alsie width for 800 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 Height of overhead guard (cabin) Ma 2020 mm 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.55 m/s 0.49 m/s / 0.55 m/s 5.2 Liffing speed (laden / unladen) 0.20 m/s / 0.20 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 0.20 m/s / 0.20 m/s 5.1 Reach spee	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 bf 90 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 Aisle width for 1000 x 1200 pallet lengthways Ast 2701 mm 4.34 Aisle width for 1000 x 1200 pallet lengthways Ma 1598 mm 4.35 Turning addu Wa 1598 mm 4.7 Height of overhead guard (cabin) Ma 1598 mm 4.7 Height of overhead guard (maken) Ma 12.30 km/h / 12.50 km/h 5.1 Tavel speed (laden / unladen) Ma 12.30 km/h / 12.50 km/h 5.2 Liffing speed (laden / unladen) Ma 0.20 m/s / 0.55 m/s 5.3 Lovering speed (laden / unladen) Ma 0.20 m/s / 0.20 m/s 5.7 Reach speed (with load / without load) Ma 5.90 kW 6.1 Diviw motor ratin	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 fork 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 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 Ford mances Ferformances 12.30 km/h / 12.50 km/h 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.55 m/s 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 5.1 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 Bactive between the second of the se	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 center 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 Wa 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) 0.49 m/s / 0.65 m/s 5.3 Lowering speed (laden / unladen) 0.59 m/s / 0.50 m/s 5.4.1 Reach speed (with load / without load) 0.59 m/s / 0.55 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% 5.90 kW 6.3 Battery voltage / capacity 48 V / 465 Ah	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 Ast 2768 mm 4.35 Turning radius Wa 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 5.1 Travel speed (laden / unladen) 0.59 m/s / 0.65 m/s 1.20 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.59 m/s / 0.55 m/s 1.50 km/h 5.4 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 5.00 km/h 1.11 km 5.1 Project Electric 11 km 6.1 Drive moor rating \$2.60 min 5.90 kW 11 kW 6.2 Lift moor rating at \$3 15% 11 kW 11 kW 6.3 Battery voltage / capacity 48 V / 465 Ah 731 kg 6.4 <t< td=""><td>4.23</td><td>Fork carriage ISO 2328 (class/form) A/B</td><td></td><td>2A</td></t<>	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 5.7 Gradeability (laden / unladen) 0.20 m/s / 0.20 m/s 5.10 Sentice brake Electric Englie Electric 6.1 Drive motor rating \$2.60 min 5.90 kW 6.2 Liff motor rating \$2.60 min 11 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN43531 B 6.4 Battery weight (*/- 5%) 48 V / 465 Ah 6.5 Battery weight (*/- 5%) 731 kg Miscellaneous	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 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) Electric 5.10 Service brake Electric 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 vaccording to DIN 43531/35/36 A, B, C DIN43531 B 6.4 Battery vacing to Jin 43531/35/36 A, B, C 48 V / 465 Ah 6.5 Battery weight (+/- 5%) The second of the second of the	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%) 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 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	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 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	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 1/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 1/min	5.3	Lowering speed (laden / unladen)		0.59 m/s / 0.55 m/s
Electric Engine 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 1/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 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 1/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 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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