Technical sheet:

ER 14



Manufacturer		Technical characteristics		Metric
1.4 Openstor type	1.1	Manufacturer		MANITOU
1.4	1.2	Model Name		ER 14
1.5 Max. capacily 0 1.400 kg 1.6 Load cistance, centre of drive ask to fook x 307 mm 1.9 Winelbase y 1378 mm 2.1 Service weight	1.3	Power source		Electrical
1.6 Load celeret of gravity Code distance, centre of dive axis to fook	1.4	Operator type		Seated
1.8 Melbase Load distance, centre of drive axie to fork x 307 mm 1.9 Weight Y 1378 mm 2.1 Service weight C 2710 kg 3.1 Times type Wilkollan 1.1 kg 3.2 Number of float wheels - Size of fload wheels 1.1 kg 2.2 kg 1.1 kg 3.3 Number of float wheels - Size of fload wheels 1.7 kg 2.2 kg 2.2 kg 2.2 kg 3.3 Sear wheel gauge b10 0 mm	1.5	Max. capacity	Q	1400 kg
1.9 Wheelbase Wheelbase	1.6	Load center of gravity	С	600 mm
	1.8	Load distance, centre of drive axle to fork	х	307 mm
2.1 Service weight 2710 kg Wheels Wulkollan 3.1 Tires type Vulkollan 3.5.2 Number of food view wheels - Size of fore wheels 2.2 x 20 x 85 3.5 Number of food view wheels - Size of load wheels 1.2 x 20 x 85 3.5 Food view deglauge b1 0 mm 3.6 Foot wheel gauge b1 0 mm 0 Dimensions 10 0 mm 4.8 Sea theight stand height 5.7 1077 mm 4.9 Length to leave of forks 11 2413 mm 4.20 Overall width 12 1285 mm 4.21 Overall width / length 5.1 10 mm x 100 mm 4.22 Fooks section / width / length 5.1 40 mm x 100 mm 1120 mm 4.22 Fooks section / width / length 5.1 40 mm x 100 mm 10 mm 4.25 Fooks section / width / length 5.1 40 mm x 100 mm 10 mm 4.25 Fooks section / width / length 5.1 40 mm x 100 mm 10 mm </td <td>1.9</td> <td>Wheelbase</td> <td>у</td> <td>1378 mm</td>	1.9	Wheelbase	у	1378 mm
Nicel		Weight		
Number of drive wheels - Size of drive wheels 1 x x 55x x 155	2.1	Service weight		2710 kg
3.5.2 Number of drine wheels - Size of drine 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 - size wheels 1 1 / 2 3.6 Front wheel gauge b10 0 mm 3.7 Rear wheel gauge b10 0 mm 4.8 Seat height/stand height h7 1077 mm 4.9 Coverall length i1 2431 mm 4.20 Length of face of forks i2 1263 mm 4.21 Overall widh j1 40m mx 100 mm 4.22 Fork section / widh / length j6 12 1263 mm 4.21 Overall widh j6 2 2 1263 mm 4.22 Fork section / widh / length j6 2 2 2 2 1209 mm 111 112 mm 3 2 2 1209 mm 1209 mm 1209 mm 1209 mm 2 2 7 0 1 2 2 7 0 1 4 4		Wheels		
3.3 Number of load wheels - Size of load wheels 1 / 2 3.5 Number of front wheels are wheels 1 / 2 3.6 Foot 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 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 5 / / 1 40 mm x 100 mm / 1150 mm 4.23 Fork carries (10 Size) (alses/from) A/B 2 / 2 2 4.24 Fork carries (10 Size) (alses/from) A/B 5 / / 1 40 mm x 100 mm / 1150 mm 4.25 Oi Stance between wheel arms/loading surfaces b5 316 mm / 607 mm 4.25 Oi Stance between wheel arms/loading surfaces b5 3 16 mm / 607 mm 4.25 Oi Stance between wheel arms/loading surfaces m2 7 0 mm 4.32 Gound clearance at center of wheebase m2 7 0 mm <t< td=""><td>3.1</td><td>Tires type</td><td></td><td>Vulkollan</td></t<>	3.1	Tires type		Vulkollan
3.5 Number of front wheels / rear wheels 1 / 2 3.6 Find twheel 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 2433 mm 4.20 Length of face of forks 12 1268 mm 4.21 Coverall width b1 1120 mm 4.22 Fork section / width / length \$ / e/1 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2228 (class/from) A/B \$ / e/1 2A 4.26 Distance between wheel amms/loading surfaces b5 316 mm / 697 mm 4.27 Ground cleannee at cente of wheelbase 2 70 mm 4.28 Aiste width for 1000 x 1200 pallet lengthways Ast 22701 mm 4.31 Aiste width for 800x 1200 pallet lengthways Ast 2726 mm 4.32 Height of overhead guard (cabin) Ma 19.80 mm 4.7 Height of overhead guard (rabin) Ast 2205 mm 5.1	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/sand height 17 1077 mm 4.19 Overall length 11 2413 mm 4.20 Length to face of forks 12 1223 mm 4.21 Overall width 11 1120 mm 4.22 Fork section / width / length 5 / e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 2 2A 4.26 Distance between wheel amms/loading surfaces 44 900 mm 4.27 Width over forks min. / max. 5 316 mm / 697 mm 4.28 Glound clearance at centre of wheelbase m2 70 mm 4.32 Asie width for 1000 x 1200 pallet lengthways Ma 22701 mm 4.33 Asie width for 1000 x 1200 pallet lengthways Ma 1538 mm 4.37 Tuming radius Ma 1598 mm 5.1 Title yeed (laden / uniden) Ma 1598 mm 5.2 Lifting spee	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 Sand height 7 1077 mm 4.19 Overall length 11 2413 mm 4.20 Length to face of forks 12 122 mg 4.21 Coverall width 10 1120 mm 4.22 Fork saction / width / length 5 / e/ I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 22328 (class //om) A/B 5 / e/ I 40 mm x 100 mm / 1150 mm 4.25 Fork carriage ISO 22328 (class //om) A/B 5 / e/ I 40 mm x 100 mm / 1150 mm 4.25 Uidth over forks min. / max. 5 / 6 316 mm / 697 mm 4.25 Width over forks min. / max. 5 / 5 316 mm / 697 mm 4.26 Glound clearance at centre of wheelbase 6 / 4 900 mm 4.27 Width over forks min. / max. 6 / 5 316 mm / 697 mm 4.32 Alsie width for 1000 v 1200 pallet lengthways Ast 270 mm 4.33 Alsie width for 800 x 1200 pallet lengthways Ast 1598 mm 4.35 Turning radius 1	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 1628 mm 4.21 Overall width b1 1120 mm 4.22 Fork searings ISO 2328 (class/form) A/B s e /l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B b4 900 mm 4.24 Distance between wheel arms/loading surfaces b4 900 mm 4.25.1 Width over forks min. / max. b5 315 mm / 697 mm 4.25.2 Ground clearance at centre of wheelbase m2 70 mm 4.23 A kis le width for 1000 x 1200 pallet lengthways Ast 22701 mm 4.33 A kis le width for 800 x 1200 pallet lengthways Ast 27501 mm 4.34 A lise width for 800 x 1200 pallet lengthways Ast 2750 mm 4.35 Tuming radius Ma 1598 mm 4.37 Height of overhead guard (cabin) M3 1598 mm 5.2 Lifting speed (laded n unladen) 0.04 m/s 7.05 m/	3.7	Rear wheel gauge	b11	995 mm
4.19 Overall length face of forks I1 2413 mm 4.20 Length to face of forks I2 1263 mm 4.21 Overall width I2 1263 mm 4.22 Fork section / width / length s / e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class / form) A / B 2A 2A 4.26 Distance between wheel ams/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 Alse width for 1000 x 1200 pallet lengthways Ast 2701 mm 4.34 Alse width for 800x 1200 pallet lengthways Ast 2768 mm 4.35 Turning radius Wa 1599 mm 4.7 Height of overhead guard (cabin) Ma 1520 mm 5.1 Tavel speed (laden / unladen) 0.49 m/s / 0.55 m/s 5.2 Lifting speed (laden / unladen) 0.9 m/s / 0.55 m/s 5.1 Tavel speed (laden / unladen) 0.9 m/s / 0.55 m/s 5.1 Gradeability (laden / unladen) 0.20 m/s / 0.20 m/s 0.20 m/		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/1 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 4.29.2 Ground clearance at centre of wheelbase m2 70 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Alsie width for 1000 x 1200 pallet lengthways Ast 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) h6 2205 mm 4.7 Height of overhead guard (with middlen) 12.30 km/h / 12.50 km/h 5.1 Tawel speed (laden / unladen) 0.49 m/s / 0.65 m/s 5.2 Lifting speed (laden / unladen) 0.59 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 2238 (class/fom) 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 A sile width for 1000 x 1200 pallet lengthways ast 22701 mm 4.34 A lise width for 800 x 1200 pallet lengthways Ast 2726 mm 4.35 Turning radius Ma 1598 mm 4.7 Height of overhead guard (cabin) Ma 1598 mm 4.7 Performances Turning radius 0.40 m/s / 0.50 m/s 5.1 Tixvel speed (laden / unladen) 0.40 m/s / 0.55 m/s 5.2 Liffing speed (laden / unladen) 0.5 m/s 0.59 m/s / 0.55 m/s 5.3 Lowering speed (with load / without load) 0.5 m/s 0.59 m/s / 0.50 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/ 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 238 (class/form) A/B 2A 4.26 Distance between wheel ams/loading surfaces bb 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 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 addus Wa 1598 mm 4.7 Height of overhead guard (cabin) Ma 1598 mm 4.7 Height of overhead guard (maken) B 20 cm 5.1 Tavel speed (laden / unladen) 12.00 km/h / 12.50 km/h 5.2 Liffing speed (laden / unladen) 0.9 m/s / 0.55 m/s 5.1 Reach speed (with load / without load) 2.0 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 2.0 m/s / 0.20 m/s 5.1 Respice Electric 6.1 Divim moto	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 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 owerhead 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) 0.59 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) 0.59 m/s / 0.55 m/s 5.7 Gradeability (laden / unladen) 0.59 m/s / 0.55 m/s 5.10 Service brake Electric 6.1 Divie motor rating s2.50 min 5.00 km 6.2 Lift motor rating at 33 15% 11 kW 6.3	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 2761 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 Perfomances Perfomances 12.30 km/h / 12.50 km/h 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.65 m/s 0.59 m/s / 0.55 m/s 5.2 Lifting speed (laden / unladen) 0.59 m/s / 0.20 m/s 0.59 m/s / 0.25 m/s 5.4.1 Reach speed (with load / without load) 0.59 m/s / 0.20 m/s 0.59 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 7.50 % / 11.10 % 0.50 m/s 0.59 m/s / 0.20 m/s 5.10 Service brake Electric Electric 6.1 Drive motor rating \$2.50 min 5.90 kW 11 kW 6.2 Lift motor rating \$2.50 min 5.90 kW 11	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 Wa 1598 mm 4.35 Turning radius Wa 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 5.1 Tavel 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 / 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) 5.00 km/h 5.7 Gradeability (laden / unladen) 5.00 km/h 5.1 Pengine 11 kW 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 valcage / capacity 48 V / 465 Ah 6.5 Battery weight (+/-5%) <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 Service brake Electric Engline 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 (4/- 5%) 731 kg Miscellanesus Type of drive control Electronic 8.3 Oil flow rate for atta	4.26	Distance between wheel arms/loading surfaces	b4	900 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 Turning radius Wa 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 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 (with load / without load) 0.20 m/s / 0.20 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 0.20 m/s / 0.20 m/s 5.10 Service brake Electric 6.1 Drive motor rating S2 60 min 5.90 kW 6.2 Lift motor rating S2 60 min 5.90 kW 6.2 Lift motor rating 4 S3 15% 11 kW 6.3 Battery vaccording to DIN 43531/35/36 A, B, C 3.48 V / 465 Ah 6.5 Battery weight (+/- 5%) 731 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachmen	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 / 0.65 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 weight (+/- 5%) 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	4.33	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 / 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 Sevrice brake Electric 6.1 Divie 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 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	4.35	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 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 \$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		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 S.90 kW 6.1 Drive motor rating \$2.60 min \$.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	5.7	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 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
8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 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	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	





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