Technical sheet:

ER 14



3.3 Number of Iond wheels - Size of load wheels 1/2 3.5 Number of Front wheels / Ira wheels 1/2 3.6 Front wheel gauge b10 0 mm 3.7 Bear wheel gauge b11 995 mm 4.8 Seat heightystand 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 11720 mm 4.22 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.24 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.25 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.25 Width over forks min / max mx 2 min m / 697 mm 4.25 Width over forks min / max mx 7 0 mm 4.31 Asise width for 1000 x 1200 pallet lengthways Ast 2756 mm 4.25		Technical characteristics		Metric
Power source	1.1	Manufacturer		MANITOU
1.5 Max. capacity Q 1400 kg	1.2	Model Name		ER 14
Max. capacity	1.3	Power source		Electrical - Lead
	1.4	Operator type		Seated
1.0 Weelbase Yes 1378 mm Yes 1378 mm Yes 1378 mm Yes	1.5	Max. capacity	Q	1400 kg
	1.6	Load center of gravity	С	600 mm
	1.8	Load distance, centre of drive axle to fork	x	307 mm
2.1 Service weight 2710 kg 3.1 Tires type Wukollan 3.5.2 Number of four wheels - Size of dire wheels 1 x 355 x 155 3.5 Number of four wheels - Size of load wheels 2 x 220 x 85 3.5 Number of four wheels - Size of load wheels 1 1 x 355 x 155 3.5 Number of front wheels - Size of load wheels 1 1 2 3.6 Fiont wheel gauge 510 0 mm 5.7 Rear wheel gauge 511 95 mm 6 Dimensions 1 12 10 mm 4.9 Decall length 1 1 241 mm 4.9 Decall length 1 1 241 mm 4.0 Length b face of forks 1 1 241 mm 4.20 Length b face of forks 1 1 241 mm 4.21 Post section / width / length 5 1 4 mm x 100 mm / 1150 mm 4.22 Foks section / width / length 5 2 2 A 4.25 Use of foks section / width / length 5 7 2 A 4.25 Size of foks section / width / length </td <td>1.9</td> <td>Wheelbase</td> <td>у</td> <td>1378 mm</td>	1.9	Wheelbase	у	1378 mm
New New		Weight		
1	2.1	Service weight		2710 kg
Number of drive wheels - Size of drive wheels 1 x 355 x 155 2 x 220 x 85 2 x 220 x 85 1 / 2 2 x 220 x 85 2 x 220 x 8		Wheels		
3.3 Number of Iond wheels - Size of load wheels 1/2 3.5 Number of Front wheels / Ira wheels 1/2 3.6 Front wheel gauge b10 0 mm 3.7 Bear wheel gauge b11 995 mm 4.8 Seat heightystand 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 11720 mm 4.22 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.24 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.25 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.25 Width over forks min / max mx 2 min m / 697 mm 4.25 Width over forks min / max mx 7 0 mm 4.31 Asise width for 1000 x 1200 pallet lengthways Ast 2756 mm 4.25	3.1	Tires type		Vulkollan
3.5 Number of front wheels / rear wheels 1/2 3.6 From wheel gauge b10 0 mm 0 Dimensions	3.5.2	Number of drive wheels - Size of drive wheels		1 x 355 x 155
3.6 Front wheel gauge 510 0 mm 3.7 Rear wheel gauge 511 955 mm 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length 11 2415 mm 4.20 Length to face of forks 12 1263 mm 4.21 Overall width 5 / 2 40 mm x 100 mm / 1150 mm 4.22 Fork carriage ISO 2329 (class/form) A/B 5 / 2 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2329 (class/form) A/B 2 2A 4.25 Distance between wheel amms/loading surfaces b5 316 mm / 697 mm 4.25 Vidit over forks min. / max. b5 316 mm / 697 mm 4.25 Vidit over forks min. / max. b6 36 316 mm / 697 mm 4.21 A isle width for 1000 x 1200 pallet lengthways Ast 2701 mm 4.23 A isle width for 1000 x 1200 pallet lengthways Ast 2708 mm 4.31 A jee width for 1000 x 1200 pallet lengthways Ma 150 mm 5.7 Lifting speed (laden / unladen) 6	3.3	Number of load wheels - Size of load wheels		2 x 220 x 85
3.7 Rear wheel gauge b11 995 mm 10 Olmensions Command 4.8 Seak height/stand height h7 107 mm 4.9 Overall length 11 2413 mm 4.20 Overall width of ace of forks 12 1263 mm 4.21 Fork section / width / length \$ f.01 1120 mm 4.22 Fork carriage ISO 2329 (class/form) A/B \$ f.01 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2329 (class/form) A/B \$ f.02 2 A 4.25 Fork carriage ISO 2329 (class/form) A/B \$ f.02 2 To 4.25 Fork carriage ISO 2329 (class/form) A/B \$ f.02 \$ f.00 \$ f.00 \$ f.00 4.25 Width over forks min. / max. \$ f.02 \$ f.00 \$ f.00 <td>3.5</td> <td>Number of front wheels / rear wheels</td> <td></td> <td>1 / 2</td>	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 foks 12 1265 mm 4.21 Overall width b1 11120 mm 4.22 Fork section / width / length b1 1120 mm 4.22 Fork caming ISO 2328 (class/fom) A/B 2.4 2.6 Distance between wheel ams/loading surfaces b4 900 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Giound clearance at centre of wheelbase 5 316 mm / 697 mm 4.32 Aisle width for 1000 x 1200 pallet lengthways Ast 2707 mm 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2758 mm 4.35 Tinning radius Ma 1598 mm 4.35 Tinning radius Ma 1598 mm 5.2 Height of overhead guard (cabin) 9 12.30 km/h / 12.50 km/h 5.3 Loweining speed (l	3.7	Rear wheel gauge	b11	995 mm
4.19 Overall length 11 2413 mm 4.20 Length to face of forks 12 12638 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 2232 (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 4.28 Ground clearance at centre of wheelbase m2 700 mm 4.29 Asis le width for 800x 1200 pallet lengthways Ast 2701 mm 4.31 Aisle width for 800x 1200 pallet lengthways Ast 2768 mm 4.32 Tuming radius Wa 1598 mm 4.31 Height of overhead guard (cabin) b6 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 / 0.55 m/s 5.3 Lowering speed (laden / unladen) 0.20 m/s / 0.55 m/s 5.1 Reach speed (wind hoad/ without load) 0.20 m/s / 0.50 m/s		Dimensions		
	4.8	Seat height/stand height	h7	1077 mm
4.21 Overall width b1 1120 mm 4.22 Fork searing ISO 2328 (class/from) A/B s / e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/from) A/B b4 900 mm 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 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 A sile width for 1000 x 1200 pallet lengthways Ast 2760 mm 4.34 A lise width for 800 x 1200 pallet lengthways Ast 2768 mm 4.35 Tuming radius Wa 1598 mm 4.7 Height of overhead guard (cabin) Wa 1598 mm 4.7 Travel speed (laden / unladen) 12.00 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.55 m/s 5.4 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 5.1 Estignie 1 1.1 kW <	4.19	Overall length	l1	2413 mm
4.22 Forks section / width / length s / e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 2A 4.26 Distance between wheel ams/loading surfaces b4 900 mm 4.25.1 Width over fooks 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 2706 mm 4.35 Turning radiu Wa 1598 mm 4.7 Height of overhead guard (cabin) Wa 1598 mm 4.7 Height of overhead guard (naben) B1 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.65 m/s 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.20 m/s / 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 1.50 km/h 5.1 Evidence for stake Electric 6.1 Div	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 ownhead guard (cabin) h6 2205 mm 4.7 Height of ownhead 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 / 0.55 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 Gradeability (laden / unladen) 0.20 m/s / 0.20 m/s 6.1 Drive motor rating S2 60 min 5.90 kW 6.2 <t< td=""><td>4.21</td><td>Overall width</td><td>b1</td><td>1120 mm</td></t<>	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 4.7 Ferformances Travel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.65 m/s 5.2 Liffing speed (laden / unladen) 0.99 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 % 5.1 Electric Electric 6.1 Drive motor rating 82 60 min 7.50 % / 11.10 % 6.2 Liff motor rating at 83 15% 11 kW 6.3 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/-5%) <td>4.22</td> <td>Forks section / width / length</td> <td>s / e / l</td> <td>40 mm x 100 mm / 1150 mm</td>	4.22	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm
4.25.1 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	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 Erformances 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.50 m/s 5.2 Liffing speed (laden / unladen) 0.49 m/s / 0.55 m/s 5.3 Lowering speed (laden / unladen) 0.59 m/s / 0.55 m/s 5.4 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) 0.59 m/s / 0.50 m/s 5.7 Bright 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 voltage / capacity 48 tV / 465 Ah 6.5 Battery weight (+/-5%) 731 kg </td <td>4.26</td> <td>Distance between wheel arms/loading surfaces</td> <td>b4</td> <td>900 mm</td>	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 adius Wa 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 5.1 Tavel speed (laden / unladen) 0.49 m/s / 0.65 m/s 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.59 m/s 5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.59 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 Dive 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 5.90 kW 6.4 Battery voltage / capacity 4.8 V / 465 Ah 6.4 Battery weight (+/- 5%) 4.8 V / 465 Ah 6. Miscellaneous 5.90 kW 8. Battery weight (+/- 5%) 6.90 kW 8. Miscel	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 Enformances 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 / 0.55 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 0.20 m/s / 0.20 m/s 5.10 Service brake Electric 6.1 Drive motor rating \$2.60 min 5.90 kW 6.2 Lift motor rating at \$3.15% 5.90 kW 6.3 Battery voltage / capacity 11 kW 6.4 Battery voltage / capacity 48 V / 465 Ah 6.4 Battery wight (+/- 5%) 731 kg 6.5 Battery weight (+/- 5%) 731 kg 6.7 Miscellaneous Electronic 8.3 Oil flow rate for attachments 25 l/min	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 / 0.25 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 Gradeability (laden / unladen) Electric 5.10 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 6.2 Lift motor rating \$3.15% 11 kW 6.3 Battery voltage / capacity 48 V / 465 Ah 6.4 Battery weight (+/- 5%) 731 kg Miscellaneous Indicate ontrol 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
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) 0.49 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 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 Electronic 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/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 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 5.90 kW 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 (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		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 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 10 flow rate for attachments Electronic	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 l/min	5.4.1	Reach speed (with load / without load)		0.20 m/s / 0.20 m/s
Engine Common of Tating 92 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 1/min	5.7	Gradeability (laden / unladen)		7.50 % / 11.10 %
6.1 Drive motor rating \$2 60 min 5.90 kW 6.2 Lift motor rating at \$3 15% 11 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN43531 B 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 731 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	5.10	Service brake		Electric
6.2 Lift motor rating at \$3 15% 11 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN43531 B 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 731 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min		Engine		
6.3 Battery according to DIN 43531/35/36 A, B, C DIN43531 B 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 731 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	6.1	Drive motor rating S2 60 min		5.90 kW
6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 731 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	6.2	Lift motor rating at S3 15%		11 kW
6.5 Battery weight (+/- 5%) 731 kg Miscellaneous 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
Miscellaneous8.1Type of drive controlElectronic8.3Oil flow rate for attachments25 l/min	6.4	Battery voltage / capacity		48 V / 465 Ah
Miscellaneous8.1Type of drive controlElectronic8.3Oil flow rate for attachments25 l/min	6.5	Battery weight (+/- 5%)		731 kg
8.3 Oil flow rate for attachments 25 1/min		Miscellaneous		
8.3 Oil flow rate for attachments 25 1/min	8.1			Electronic
8.4 Sound level at the driver's ear according to DIN 12 053 57.40 dB	8.3	••		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	





Head Office

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes