Technical sheet:

ER 16



Manufacture		Technical characteristics		Metric
1.4 Operator type	1.1	Manufacturer		MANITOU
1.5	1.2	Model Name		ER 16
1.5	1.3	Power source		Electrical
1.6	1.4	Operator type		Seated
1.8	1.5	Max. capacity	Q	1600 kg
	1.6	Load center of gravity	С	600 mm
	1.8	Load distance, centre of drive axle to fork	х	439 mm
Service weight Wheels Wilk-olls Wi	1.9	Wheelbase	у	1448 mm
Vincel V		Weight		
1 Number of Idrive wheels - Size of divie wheels 1 x x 55 x 155 1 x 555 x 155 1 x 555 x 155 1 x 125 x 155 x 155 1 x 125 x 155 x	2.1	Service weight		3190 kg
3.5.2 Number of drive wheels - Size of drive wheels 1 x 355 x 155 3.3 Number of float wheels - Size of load wheels 2 x 282 x 105 3.5 Number of float wheels / sear wheels 1 1 / 2 3.6 Front wheel gauge b10 0 mm 3.7 Bear wheel gauge b10 1 130 mm Olimersions 4.8 Sea beleph/stand height h7 1077 mm 4.19 Overall widh 11 2379 mm 4.20 Length to face of forks 12 1229 mm 4.21 Overall widh 5 / 1 40mm x 100 mm / 1150 mm 4.22 Fork saction / widh / length 5 / 1 40mm x 100 mm / 1150 mm 4.23 Fork saction / widh / length 5 / 1 40mm x 100 mm / 1150 mm 4.23 Fork saction / widh / length 5 / 1 40mm x 100 mm / 1150 mm 4.24 Fork saction / widh / length 5 / 1 40mm x 100 mm / 1150 mm 4.25 Distance between wheel ams/loading surfaces b4 912 mm 4.26 Distance between wheel ams/loading surfaces <t< td=""><td></td><td>Wheels</td><td></td><td></td></t<>		Wheels		
3.3 Number of fond wheels - Size of load wheels 2 x 282 x 105 3.5 Number of front wheel aguage b10 0 mm 3.6 Front wheel gauge b10 0 mm 3.7 Bear wheel gauge b11 1130 mm 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length 11 2379 mm 4.20 Length to face of forks 12 1229 mm 4.21 Overall width b1 1270 mm 4.22 Fork saccion / width / length 5 / f / I 40 mm x 100 mm / 1150 mm 4.22 Fork saccion / width / length 5 / f / I 40 mm x 100 mm / 1150 mm 4.23 Fork saccion / width / length 5 / f / I 40 mm x 100 mm / 1150 mm 4.24 Fork saccion / width / length 5 / f / I 40 mm x 100 mm / 1150 mm 4.25 Fork saccion / width / length 5 / f / I 40 mm x 100 mm / 1150 mm 4.26 Distance between wheel arms/loading surfaces b5 316 mm / 697 mm 4.25 Giound detannear act enterted of wheelbase m2	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 1130 mm 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length 11 2379 mm 4.20 Length of face of forks 12 1229 mm 4.21 Overall width b1 1270 mm 4.22 Fork section / width / length \$ / e/ 1 40 mm x 100 mm / 1150 mm 4.23 Fork cantage ISO 2238 (class/form) A/B \$ / e/ 1 40 mm x 100 mm / 1150 mm 4.26 Distance between wheel amms/loading surfaces B4 912 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.25.2 Isourd clearance at centre of wheelbase m2 70 mm 4.33 A issle width for 1000 x 1200 pallet lengthways Ast 22728 mm 4.34 A issle width for 1000 x 1200 pallet lengthways Ast 22728 mm 4.35 Tuming radius Wa 1668 mm 4.7	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 1130 mm 10 minerations 4.8 Seat height/stand height n7 1077 mm 4.19 Overall length 11 2379 mm 4.20 Length to face of forks 12 1229 mm 4.21 Overall width 51 (270 mm) 11 (270 mm) 4.22 Fork section / width / length 5 (4) 40 mm x 100 mm / 1150 mm 4.23 Fork camage ISO 23/38 (class/form) A/IB 2 A 2A 4.25.1 Width over forks min. / max. 55 316 mm / 697 mm 4.25.1 Width over forks min. / max. 55 316 mm / 697 mm 4.32 Ground clearane at centre of wheelbase m2 70 mm 4.33 A sile width for 800 x 1200 pallet lengthways As at 2228 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Wa 1668 mm 4.37 Tuming radius Max 1668 mm 5.1 Travel speed (laden / unladen) Max	3.3	Number of load wheels - Size of load wheels		2 x 282 x 105
Rear wheel gauge	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 I1 2379 mm 4.20 Length to face of forks I2 1229 mm 4.21 Overall width b1 1270 mm 4.22 Fork searinge ISO 2328 (class/form) A/B \$ e/1 40 mm x 100 mm / 1100 mm 4.23 Fork carriage ISO 2328 (class/form) A/B \$ 24 426 Distance between wheel amms/loading surfaces \$ 4 912 mm 4.25.1 Width over forks min. / max. \$ 5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase \$ 205 mm 70 mm 4.33 A sisk width for 1000 x 1200 pallet lengthways A st 2728 mm 4.34 A jisk width for 800 x 1200 pallet lengthways A st 2728 mm 4.35 Tuming radius Wa 1668 mm 4.7 Height of overhead guard (cabin) Wa 1668 mm 5.3 Liffing speed (laden / unladen) 9.49 m/s / 0.49 m/s / 0.49 m/s 0.49 m/s / 0.49 m/s 5.3 Lowering speed (laden / unladen) 9.49 m/s / 0.49 m/s	3.7	Rear wheel gauge	b11	1130 mm
4.19 Overall length 11 2379 mm 4.20 Length to face of forks 12 1229 mm 4.21 Overall width for 100 kith b1 1270 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 4.26 Distance between wheel amms/loading surfaces b4 912 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 Alsle width for 1000 x 1200 pallet lengthways Ast 2289 mm 4.34 Alsle width for 800 x 1200 pallet lengthways Ast 2289 mm 4.35 Tuming radius Ma 1668 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 5.1 Tavel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.48 m/s 5.1 Tavel speed (laden / unladen) 0.49 m/s / 0.48 m/s 5.1 Reach speed (wind / unladen) 0.20 m/s / 0.20 m/s 5		Dimensions		
4.20 Length to face of forks 12 1229 mm 4.21 Overall width b1 1270 mm 4.22 Forks section / width / length s / e / t 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 912 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 2589 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Turning radius Wa 1668 mm 4.7 Height of overhead guard (cabin) b6 2205 mm 4.7 Height of overhead guard (without load) 11.33 km/h / 14.50 km/h 5.1 Tarwel speed (laden / unladen) 0.49 m/s / 0.48 m/s 5.3 Lowering speed (laden / unladen) 0.20 m/s / 0.20 m/s 5.4.1 Reach speed (with for 800 x / 200 ml 0.20 m/s / 0.20 m/s <t< td=""><td>4.8</td><td>Seat height/stand height</td><td>h7</td><td>1077 mm</td></t<>	4.8	Seat height/stand height	h7	1077 mm
4.21 Overall width b1 1270 mm 4.22 Forks section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2282 (class/form) A/B 2A 4.26 Distance between wheel ams/loading surfaces b4 912 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 Aslie width for 1000 x 1200 pallet lengthways Ast 2289 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 22728 mm 4.35 Tuming radius Wa 1668 mm 4.7 Height of overhead guard (cabin) Ma 1668 mm 4.7 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Liffing speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.1 Reach speed (with load / without load) 0.20 m/s 5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.1	4.19	Overall length	l1	2379 mm
4.22 Forks section / width / length s / e/ 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 238E (class/form) A/B 2A 4.26 Distance between wheel arms/loading surfaces b4 912 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 2728 mm 4.35 Tuming radius Wa 1668 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 4.7 Height of overhead guard (malden) h6 2205 mm 5.1 Tavel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Liffing speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Service brake Electric 6.1 Drive motor rating \$2.50 min 7.20 kW 6.2 Liff motor rating \$2.50 min	4.20	Length to face of forks	12	1229 mm
4.23 Fork carriage ISO 2328 (class/form) A/B 2A 4.26 Distance between wheel arms/loading surfaces b4 912 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 2689 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Tuming radius Ma 1668 mm 4.7 Height of overhead guard (cabin) M6 2205 mm Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.3 Lowering speed (laden / unladen) 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) 8.50 % / 11.10 % 5.10 Senrice brake Electric 6.1 Drive motor rating 32 S0 min 7.20 kW 6.2	4.21	Overall width	b1	1270 mm
4.26 Distance between wheel ams/loading surfaces b4 912 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 2728 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Tuming radius Wa 1668 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 5.1 Tavel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.3 Reach speed (with load / without load) 0.49 m/s / 0.20 m/s 5.4.1 Reach speed (with load / without load) 8.50 % / 11.10 % 5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.10 Service brake Electric 6.1 Dive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating S2 60 min 7.20 kW 6.3 Battery according to DIN 45531/35/36 A, B, C DIN 45531 C 6.4 Battery according to DIN 45531/55/36	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 2689 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Turning radius Wa 1668 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.48 m/s 5.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.10 Service brake Electric Englie 15 kW 6.1 Drive motor rating \$2.50 min 7.20 kW 6.2 Lift motor rating \$2.50 min 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery weight (+/- 5%) 7.35 kg	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 2689 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Tuming radius Wa 1668 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.20 m/s 5.3 Lowering speed (laden / unladen) 0.49 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 Engine 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating \$2.50 min 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery weight (+/- 5%) 735 kg Miscellaneous Type of drive control Electronic 8.1 Type of d	4.26	Distance between wheel arms/loading surfaces	b4	912 mm
4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2689 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Turning radius Wa 1668 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 8.50 k / 11.10 % 5.10 Service brake Electric Engine 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating \$2.60 min 7.20 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery weight (+/- 5%) 7.35 kg Miscellaneous 1 48 V / 465 Ah 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments	4.25.1	Width over forks min. / max.	b5	316 mm / 697 mm
4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Tuming radius Wa 1668 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 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) 8.50 % / 11.10 % 5.10 Service brake Electric Engine 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating \$2.60 min 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery weight (+/- 5%) 735 kg Miscellaneous 8.1 Type of drive control 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 1668 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.48 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.10 Service brake Electric Engine 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery veight (+/- 5%) 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 7.35 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		2689 mm
Height of overhead guard (cabin) h6 2205 mm	4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2728 mm
Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.3 Lowering speed (with load / unladen) 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) 8.50 % / 11.10 % 5.10 Service brake Electric 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V/ 465 Ah 6.5 Battery weight (+/- 5%) 735 kg Miscellaneous Electronic 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	4.35	Turning radius	Wa	1668 mm
5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.48 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.10 Service brake Electric Engine 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating at \$3.15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 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 / 0.80 m/s 5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.48 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.10 Service brake Electric Englne 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 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) 0.49 m/s / 0.48 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 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)		14.30 km/h / 14.50 km/h
5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 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 / 0.80 m/s
5.7 Gradeability (laden / unladen) 8.50 % / 11.10 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 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)		0.49 m/s / 0.48 m/s
5.10 Service brake Electric Engine Compan="2">Compan="	5.4.1	Reach speed (with load / without load)		0.20 m/s / 0.20 m/s
Engine Company 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating at \$3.15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 kg 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	5.7	Gradeability (laden / unladen)		8.50 % / 11.10 %
6.1 Drive motor rating \$2 60 min 7.20 kW 6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 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% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 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 DIN 43531 C 6.4 Battery voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 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		7.20 kW
6.4 Battery voltage / capacity	6.2	Lift motor rating at S3 15%		15 kW
6.5 Battery weight (+/- 5%) 735 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		DIN 43531 C
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%)		735 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	8.3	Oil flow rate for attachments		25 I/min
	8.4	Sound level at the driver's ear according to DIN 12 053		60.80 dB

ER 16 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 63	FLT 68	FLT 73	FLT 80	FLT 85	FLT 90
α - Mast/fork carriage tilt, forward	٠	3	3	3	3	3	3	3	3
β - Mast/fork carriage tilt, backward	٠	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2640	2790	2957	3190	3673	3823
h2 - Mast free lift	mm	1600	1800	1900	2100	2400	2650	3100	3200
h3 - Mast lifting height	mm	4800	5400	6300	6750	7250	7950	8450	8950
h4 - Mast extended height	mm	5380	5980	6880	7330	7830	8530	9080	9530
Residual capacity with integrated side shift at max heigth	kg	1600	1600	1400	1100				





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



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