Technical sheet:

ER 16



Manufacture		Technical characteristics		Metric
1.1	1.1	Manufacturer		MANITOU
1.5 Max. capacity	1.2	Model Name		ER 16
1.5 Max. capacity c 660 mm 1.8 Load distance, center of gravity c 660 mm 1.9 Wheelbase y 1.448 mm Veight y 1.448 mm 2.1 Service weight 3190 kg 3.1 Tires type Vulkollan 3.2 Number of derive wheels - Size of flow wheels 2.2 828 105 3.3 Number of floor wheels - Size of flow wheels 1.3 535 155 3.5 Number of floor wheels - Size of flow wheels 1.7 2 3.6 Floor wheel gauge b10 0 mm 4.8 Seat height Stand height h7 1077 mm 4.9 Owerall length 11 2379 mm 4.20 Length b face of floks 12 122 222 mm 4.21 Overall length 5 / 40 mix 100 mm / 1150 mm 4.22 Flox cameng Sto 2238 (class/from) A/B 5 / 40 mix 100 mm / 1150 mm 4.23 Flox cameng Sto 2238 (class/from) A/B 5 / 40 mix 100 mm / 1150 mm 4.24 Owerall length flor wheel flow mix floor mix floor mix floor mix floor mix floor mi	1.3	Power source		Electrical
1.6 Load center of gravity Continue of	1.4	Operator type		Seated
1.8 Load distance, centre of drive axie to fook x 4.38 mm 1.9 Weeight y 1.48 mm 2.1 Service weight 31390 kg 31390 kg 3.1 Tires type Wulkollan 1.355 t 155 3.2 Number of fload wheels - Size of fload wheels 1.1 x 355 t 155 3.5 Number of fload wheels - Size of load wheels 1.7 2 3.5 Number of front wheel sugge b10 0 mm 3.7 Rear wheel gauge b10 0 mm 4.8 Seat height/stand height 57 107 7mm 4.9 Overall length 57 107 7mm 4.1 Overall length 5 f 1 227 7mm 4.2 Fok section / width / length 5 f 2 10 mm x 100 mm / 1150 mm 4.2 Fok section / width / length 5 f 2 10 mm x 100 mm / 1150 mm 4.2 Fok section / width / length 5 f 2 10 mm x 100 mm / 1150 mm 4.2 Fok section / width / length 5 f 2 10 mm x 100 mm / 1150 mm 4.2 Fok section / width / leng	1.5	Max. capacity	Q	1600 kg
Neclipate Necl	1.6	Load center of gravity	С	600 mm
Neight Service weight Service wheels Service whee	1.8	Load distance, centre of drive axle to fork	х	439 mm
Service weight Serv	1.9	Wheelbase	у	1448 mm
Wheels		Weight		
Tires type	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 load wheels - Size of load wheels 2 x 282 x 105 3.5 Number of load wheels - Size of load wheels 1 / 2 3.6 Front wheel gauge b10 0 mm 3.7 Rear wheel gauge b10 0 mm 4.8 Seat height/sand height h7 1077 mm 4.9 Overall widh 11 2379 mm 4.20 Length to face of forks 12 1229 mm 4.21 Overall widh / length b1 1770 mm 4.22 Fork section / width / length s x el 1 40 mm x 100 mm / 1150 mm 4.23 Fork section / width / length s x el 1 40 mm x 100 mm / 1150 mm 4.24 Fork section / width / length s x el 1 40 mm x 100 mm / 1150 mm 4.25 Fork section / width / length s x el 1 40 mm x 100 mm / 1150 mm 4.26 Distance between wheel amms/loading surfaces b4 912 mm 4.27 Width over forks min. / max. b5 315 mm / 697 mm		Wheels		
3.3 Number of load wheels - Size of load wheels 1 / 2 3.5 Number of front wheel yeare bit 0 3.6 Front wheel gauge bit 0 3.7 Rear wheel gauge bit 1 4.8 Sex height/stand height h7 1077 mm 4.19 Overall length lit 2379 mm 4.20 Length to face of forks li2 1229 mm 4.21 Overall width bit 1270 mm 1270 mm 4.22 Fork section / Width / length s / e / t 40 mm x 100 mm / 1150 mm 4.23 Fork carage IRO S238 (class from) A/B 2A 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 center of wheelbase m2 70 mm 4.33 Alsie width for 0100 x 1200 pallet lengthways As1 2728 mm 4.34 Alsie width for 800 x 1200 pallet lengthways As1 2728 mm 4.35 Tuming radius Wa 10	3.1	Tires type		Vulkollan
3.5 Number of front wheels / rear wheels 1 / 2 3.6 Finnt wheel gauge bill 0 mm Olmensions 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length I1 2379 mm 4.20 Length to face of forks I2 122 mg 4.21 Overall width bill 1270 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 2A 4.25 Distance between wheel amms/loading surfaces b4 91 mm 4.25.1 Width over forks min. / max. 55 316 mm / 697 mm 4.25.1 Seat leight of rott over 1200 pallet lengthways 55 316 mm / 697 mm 4.32 Alsie width for 800 x 1200 pallet lengthways As1 2728 mm 4.33 Alsie width for 800 x 1200 pallet lengthways As1 2728 mm 4.34 Alsie width for 800 x 1200 pallet lengthways As1 2728 mm 4.35 Turning radius Wa 1658 mm 5.1 Tarwis peed (laden / unl	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 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length l1 2379 mm 4.20 Length to face of forks l2 122 1229 mm 4.21 Overall width b1 1270 mm 4.22 Forks section / width / length s / e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2232 (class/form) A/B s / e / I 40 mm x 100 mm / 1150 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 14.50 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 3.20 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 3.20 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 3.20 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 3.20 mm 4.32 Asie width for 2000 x 1200 pallet lengthways Ast 2225 mm	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
Note	3.6	Front wheel gauge	b10	0 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 section / width / length s / e / ! 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 2A 24 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 center of wheelbase m2 70 mm 4.33 A isle width for 1000 x 1200 pallet lengthways Ast 2728 mm 4.34 A isle width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Tuming radius Wa 1668 mm 4.7 Height of overhead guard (cabin) Wa 168 mm 5.1 Tavel speed (laden / unladen) 4.0 49 m/s / 0.48 m/s 2.20 mm 5.2 Lifting speed (laden / unladen) 0.4 9 m/s / 0.48 m/s <t< td=""><td>3.7</td><td>Rear wheel gauge</td><td>b11</td><td>1130 mm</td></t<>	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 b1 1270 mm 4.22 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 228 (class/form) A/B 2A 4.26 Distance between wheel arms/loading surfaces b4 91 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 Alsie width for 1000 x 1200 pallet lengthways Ast 22689 mm 4.34 Alsie width for 800 x 1200 pallet lengthways Ast 22728 mm 4.35 Tuming radius Wa 1668 mm 4.7 Helight of overhead quard (cabin) b6 2205 mm 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.80 m/s 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.48 m/s 5.1 Reach speed (wilh oad / without load) 0.20 m/s / 0.20 m/s 5.1 Gradeability (laden / unladen) 8.50 x/ 11.10 x 6.1		Dimensions		
4.20 Length to face of forks I2 1229 mm 4.21 Overall width b1 1270 mm 4.22 Forks 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 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 Alsie width for 1000 x 1200 pallet lengthways Ast 2689 mm 4.34 Alsie width for 800 x 1200 pallet lengthways Ast 2728 mm 4.35 Tuming radius Wa 1668 mm 4.37 Height of overhead guard (cabin) Ma 1668 mm 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.48 m/s 0.49 m/s / 0.48 m/s 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.48 m/s 0.49 m/s / 0.48 m/s 5.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 8.50 % / 11.10 % 5.1 Engine	4.8	Seat height/stand height	h7	1077 mm
4.20 Length to face of forks I2 1229 mm 4.21 Overall width b1 1270 mm 4.22 Forks 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 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 2289 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 22728 mm 4.35 Tuming radius Wa 1668 mm 4.47 Height of overhead guard (cabin) Ma 1668 mm 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.08 m/s 0.04 m/s / 0.08 m/s 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.08 m/s 0.04 m/s / 0.08 m/s 5.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 0.04 m/s / 0.08 m/s 5.7 Gradeab	4.19	Overall length	I1	2379 mm
4.21 Overall width b1 1.270 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 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 Asise width for 800 x 1200 pallet lengthways Ast 2289 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) Wa 1668 mm 4.7 Height of overhead guard (cabin) 9 14.30 km/h / 14.50 km/h 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.48 m/s 0.49 m/s / 0.48 m/s 5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.48 m/s 0.49 m/s / 0.48 m/s 5.3 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 0.20 m/s / 0.20 m/s 5.1	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 2269 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) Wa 1668 mm 4.7 Height of overhead guard (cabin) Wa 1648 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 / 0.48 m/s 5.4.1 Reach speed (with load / without load) 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 Engline 15 kW <td>4.21</td> <td></td> <td>b1</td> <td>1270 mm</td>	4.21		b1	1270 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 Wa 1668 mm 4.7 Height of overhead guard (cabin) Wa 1668 mm 4.7 Height of overhead guard (cabin) M6 2205 mm 5.1 Travel speed (laden / unladen) 0.49 m/s / 0.80 m/s 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s 15.41 Reach speed (with load / without load) 0.49 m/s / 0.48 m/s 15.41 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 8.50 % / 11.10 % 15.10 % 8.50 % / 11.10 % 15.10 % 15.10 % 15.10 % 15.10 % 15.10 % 15.10 % 15.10 % 15.10 %	4.22	Forks section / width / length	s / e / l	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 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Asise 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 Wa 1668 mm 4.7 Helight of overhead guard (cabin) h6 2205 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 Engline 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Liff motor rating at S3 15% 15 kW 6.3	4.23	Fork carriage ISO 2328 (class/form) A/B		2A
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 isle width for 1000 x 1200 pallet lengthways 2689 mm 4.34 A isle 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 / 0.49 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 Senvice brake Electric 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 15 kW 6.3 Battery weight (+/- 5%) 735 kg Miscellaneous	4.26		b4	912 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 / 0.20 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 Electric 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 voltage / capacity 48 V / 465 Ah 6.5 Battery weight (+/- 5%) 735 kg Miscellaneous 8.1 Type of drive control 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 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) 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	4.32	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 / 0.20 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 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery weight (+/-5%) 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	4.33	Aisle width for 1000 x 1200 pallet lengthways		2689 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 / 0.20 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 S2 60 min 7.20 kW 6.2 Lift motor rating S2 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%) 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	4.34	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 / 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 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 woltage / 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	4.35		Wa	1668 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 / 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 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 woltage / 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 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				
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	5.1			14.30 km/h / 14.50 km/h
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	5.2			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 \$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	5.3	Lowering speed (laden / unladen)		0.49 m/s / 0.48 m/s
5.10 Service brake Electric Engine Colspan="2">Colsp	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 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	5.7	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	* *		Electric
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		Engine		
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	6.1			7.20 kW
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	6.2			15 kW
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		•		
6.5 Battery weight (+/- 5%) 735 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min				
Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min		, - , ,		
8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min				
8.3 Oil flow rate for attachments 25 l/min	8.1			Electronic
		**		
8.4 Sound level at the drivers ear according to DIN 12 US3	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				





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