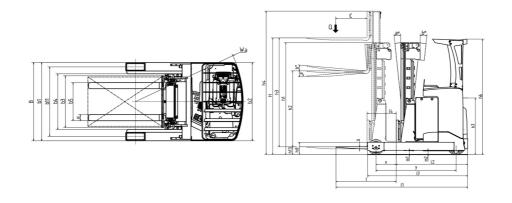
Technical sheet:

ER 12



| Maurifacture | | Technical characteristics | | Metric | |
|--|-------|---|-----------|--------------------------|--|
| Flectifical | 1.1 | Manufacturer | | Manitou | |
| 1.5 Max. capacity Q 1.200 kg 1.6 Load enter of gravity C G00 mm 1.8 Load enter of gravity C G00 mm 1.8 Load enter of gravity C G00 mm 1.9 Weelbase Y 1.378 mm 1.0 Weelbase Y 1.378 mm 1.1 Weelbase Y 1.378 mm 1.2 Weelbase Y 1.378 mm 1.3 Weelbase Y Wilkolian 1.3 Tiers type Wilkolian 3.5 Number of drive wheels - Size of drive wheels 2.2808 kg 3.5 Number of drive wheels - Size of drive wheels 1 x 355 x 155 3.5 Number of front wheel grave whels 2 x 200 x 85 3.5 Number of front wheel grave whels 1.72 3.6 First wheel grave D10 O mm 3.7 Rear wheel grave D11 995 mm 4.8 Satisfy the grave of front wheel grave whels D11 995 mm 50 Mineral of the grave whels D11 O mm 4.8 Satisfy the grave D11 O mm 4.9 Overall leigh D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D11 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral of front wheel grave D12 O mm 50 Mineral o | 1.2 | Model Name | | ER 12 | |
| 1.5 Max. capacily 0 1200 kg 1.6 Load distance, certive of drive asks to fook x 335 mm 1.9 Wheelbase y 1378 mm 2.1 Service weight | 1.3 | Power source | | Electrical | |
| 1.6 | 1.4 | Operator type | | Seated | |
| 1.0 Wheelbase Y 1378 mm Y 1378 m | 1.5 | Max. capacity | Q | | |
| Nicolate Nicolate | 1.6 | Load center of gravity | С | 600 mm | |
| | 1.8 | Load distance, centre of drive axle to fork | х | 335 mm | |
| Service weight Service weight Service weight Service Service weight Service Servic | 1.9 | Wheelbase | у | 1378 mm | |
| Wikele W | | Weight | | | |
| 1 | 2.1 | Service weight | | 2580 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 220 x 85 3.5 Number of float wheels / rear wheels 1 1 / 2 3.6 Front wheel gauge b10 0 mm 3.7 Rear wheel gauge b10 0 mm 3.7 Rear wheel gauge b10 995 mm Dimensions 4.8 Sea thelphytand height h7 1077 mm 4.9 Cverall length 11 2431 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 / t 40 mm x 100 mm 1150 mm 4.23 Fork section / width / length s / e / t 40 mm x 100 mm 1150 mm 4.23 Fork cariage ISO 2238 (class / form) A/B s / e / t 40 mm x 100 mm 1150 mm 4.24 Pork cariage ISO 2238 (class / form) A/B b5 316 mm / 697 mm 142 mm 425 mm / 697 mm 425 mm | | Wheels | | | |
| 3.3 Number of load wheels - Size of load wheels 2 x 220 x 85 3.5 Number of front wheel gauge b10 0 mm 3.6 For thinkeel gauge b10 0 mm 3.7 Bear 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 b1 1120 mm 4.22 Fork saction / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.22 Fork saction / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.22 Fork carriage (180 228) (class/mm) / B 2 A 2 A 4.26 Distance between wheel ams/loading surfaces b4 900 mm 4.25.1 Width over forks min / max. b5 316 mm / 697 mm 4.22.2 Giound clearance at center of wheelbase m2 70 mm 4.32 Aise width for 1000 x 1200 pallet lengthways Ast 2751 mm 4.35< | 3.1 | Tires type | | Vulkollan | |
| 3.3 Number of load wheels - Size of load wheels 2 x 220 x 85 3.5 Number of front wheel gauge b10 0 mm 3.6 For thinkeel gauge b10 0 mm 3.7 Bear 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 b1 1120 mm 4.22 Fork saction / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.22 Fork saction / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.22 Fork carriage (180 228) (class/mm) / B 2 A 2 A 4.26 Distance between wheel ams/loading surfaces b4 900 mm 4.25.1 Width over forks min / max. b5 316 mm / 697 mm 4.22.2 Giound clearance at center of wheelbase m2 70 mm 4.32 Aise width for 1000 x 1200 pallet lengthways Ast 2751 mm 4.35< | 3.5.2 | | | 1 x 355 x 155 | |
| 3.5 Number of front wheels / rear wheels 1 / 2 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 of face of foks 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 cardage ISO 2232 (class/form) A/B x / e/1 40 mm x 100 mm / 1150 mm 4.26 Distance between wheel amms/loading surfaces d4 900 mm 4.25.1 Width over forks min. / max. 55 316 mm / 697 mm 4.25.2 Issue width for 1000 x 1200 pallet lengthways A1 25 mm 4.32 Aisle width for 1000 x 1200 pallet lengthways Ast 275 mm 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 275 mm 4.7 Height of overhead guard (cabin) Ma 123 km/h / 1250 km/h | | | | | |
| 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 1223 mm 4.21 Overall width 5 / 2 40 mm x 100 mm / 1150 mm 4.22 Fork section / width / length 5 / 2 40 mm x 100 mm / 1150 mm 4.23 Fork camage ISO 22/36 (class/form) A/B 2 2A 4.24 Distance between wheel amms/loading surfaces 44 900 mm 4.25.1 Width over forks min. / max. 55 316 mm / 697 mm 4.26 Distance between wheel amms/loading surfaces 44 900 mm 4.27 Width over forks min. / max. 55 316 mm / 697 mm 4.28 Glound clearance at centre of wheelbase m2 70 mm 4.31 Aisle width for 800 x 1200 pallet lengthways Ast 22751 mm 4.32 Lise width for 800 x 1200 pallet lengthways Ast 22751 mm | | Number of front wheels / rear wheels | | | |
| Rear wheel gauge | | | b10 | | |
| | | | b11 | 995 mm | |
| 4.19 Overall length to face of forks 11 2413 mm 4.20 Length to face of forks 12 1263 mm 4.21 Overall width of face of forks 15 120 mm 4.22 Fork section / width / length \$ /e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2232 (class/form) A/B 2A 2A 4.26 Distance between wheel amms/loading surfaces b5 33 fmm / 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 Alsle width for 1000 x 1200 pallet lengthways Ast 2751 mm 4.34 Alsle width for 8000 x 1200 pallet lengthways Ast 2251 mm 4.35 Tuming radius Wa 1593 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 5.1 Taxel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.55 m/s 5.1 Taxel speed (laden / unladen) 0.50 m/s / 0.55 m/s 5.1 Gradeability (laden / unladen) 0.50 m | | | | | |
| 4.19 Overall length to face of forks 11 2413 mm 4.20 Length to face of forks 12 1265 mm 4.21 Overall width of face of forks 15 120 mm 4.22 Fork section / width / length \$ / e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2232 (class / form) A/B 2A 2A 4.26 Distance between wheel amms/loading surfaces b5 33 firm / 697 mm 4.25.1 Width over forks min. / max. b5 33 firm / 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 2751 mm 4.34 A sile width for 3000 x 1200 pallet lengthways Ast 2251 mm 4.35 Tuming radius Wa 1598 mm 4.7 Height of overhead guard (cabin) Ma 1520 mm 5.1 Tavel speed (laden / unladen) 0.50 m/s / 0.55 m/s 5.2 Luffing speed (laden / unladen) 0.50 m/s / 0.55 m/s 5.1 Tavel speed (laden / unladen) 0.50 m/s / 0.55 m/s 5.1 Gradeability (laden / unladen) 0.5 | 4.8 | Seat height/stand height | h7 | 1077 mm | |
| 4.20 Length to face of forks I2 1263 mm 4.21 Overall width b1 1120 mm 4.22 Forks 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 arms/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 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2594 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 mm 4.35 Turning radius Ma 1598 mm 4.7 Height of overhead guard (cabin) Ma 1598 mm 4.7 Height of overhead guard (without load) 11.230 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.55 m/s 5.4.1 Reach speed (with out of without load) 0.50 m/s / 0.55 m/s | 4.19 | | | 2413 mm | |
| 4.21 Overall width b1 1120 mm 4.22 Forks section / width / length s / e / I 40 mm x 100 mm / 150 mm 4.23 Fork carriage ISO 2282 (class/form) A/B 2A 4.26 Distance between wheel ams/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 Aslie width for 1000 x 1200 pallet lengthways Ast 2751 mm 4.34 Alsie width for 800 x 1200 pallet lengthways Ast 2751 mm 4.35 Tuming radius Wa 1598 mm 4.7 Height of overhead guard (cabin) Wa 1598 mm 4.7 Tavel speed (laden / unladen) 9.00 m/s / 0.05 m/s 0.00 m/s / 0.05 m/s 5.1 Tavel speed (laden / unladen) 9.05 m/s / 0.05 m/s 0.05 m/s / 0.05 m/s 5.2 Liffting speed (laden / unladen) 9.05 m/s / 0.05 m/s 0.05 m/s / 0.00 m/s 5.1 Reach speed (with load / without load) 9.02 m/s / 0.20 m/s 0.00 m/s / 0.20 m/s | 4.20 | | 12 | 1263 mm | |
| 4.22 Forks section / width / length s / e/ 40 mm x 100 mm / 1150 mm 4.23 Fork carniage ISO 2388 (class/form) A/B 2A 4.26 Distance between wheel ams/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 Aisle width for 1000 x 1200 pallet lengthways Ast 2751 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 mm 4.7 Height of overhead guard (cabin) h6 2205 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 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.55 m/s 0.50 m/s / 0.55 m/s 5.3 Lowering speed (laden / unladen) 7.50 km/s 0.50 m/s / 0.20 m/s 5.1 Reach speed (with load / without load) 7.50 km/s 0.50 m/s / 0.20 m/s 5.1 Service brake Electric 11 kW <td></td> <td></td> <td></td> <td colspan="2">1120 mm</td> | | | | 1120 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 2694 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 mm 4.35 Tuming radius Ma 1598 mm 4.37 Height of overhead guard (cabin) Ma 2205 mm 5.1 Travel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.58 m/s / 0.55 m/s 5.3 Lowering speed (laden / unladen) 0.58 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) 0.58 m/s / 0.55 m/s 5.0 Service brake Electric 6.1 Dive motor rating 32 S0 m/s 11 kW 6.2 Lift motor rating 4 S3 15% <td< td=""><td></td><td>Forks section / width / length</td><td>s / e / l</td><td>40 mm x 100 mm / 1150 mm</td></td<> | | Forks section / width / length | s / e / l | 40 mm x 100 mm / 1150 mm | |
| 4.26 Distance between wheel ams/loading surfaces b4 900 mm 4.25.1 Wildth 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 2694 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 mm 4.35 Tuming radius Wa 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 6.1 Travel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.65 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.20 m/s 5.4.1 Reach speed (with load / without load) 0.56 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 7.50 % / 11.10 % 5.10 Service brake Electric Engline 5.90 kW 6.1 Drive motor rating S2 60 min 5.90 kW 6.2 Lift motor rating s2 60 min 11 kW 6.3 | | - | | 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 Aisle width for 1000 x 1200 pallet lengthways Ast 2694 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 mm 4.35 Turning radius Wa 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 5.1 Taval speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.65 m/s 0.58 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 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 1.00 m/s 5.7 Gradeability (laden / unladen) 5.00 km/s 1.00 m/s 5.10 Engline Electric 6.1 Drive motor ating \$2.50 min 5.90 kW 6.2 Lift motor rating \$2.50 min 5.90 kW 6.3 Battery voltage / capacity 48 V / 310 Ah | 4.26 | | b4 | 900 mm | |
| 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2751 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 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) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.65 m/s 5.3 Lowering speed (with load / without load) 0.58 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 k/ 11.10 k 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 5.90 kW 6.2 Lift motor rating s1 S3 15% 11 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN43531 B 6.4 Battery weight (+/- 5%) 7.30 kg Miscellaneous Battery weight (+/- 5%) 7.30 kg Miscellaneous Electronic 8.3 Oil flow rate for attachments | | - | b5 | 316 mm / 697 mm | |
| 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 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 | |
| 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 mm 4.35 Tuming radius Wa 1598 mm 4.7 Height of overhead guard (cabin) h6 2205 mm Performances Travel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.65 m/s 5.3 Lowering speed (laden / unladen) 0.58 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 6.1 Drive motor rating \$2.60 min 5.90 kW 6.2 Lift 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 DIN43531 B 6.4 Battery weight (+/- 5%) 730 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 | | 2694 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) 0.50 m/s / 0.65 m/s 5.3 Lowering speed (laden / unladen) 0.58 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 Engline 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/310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | 4.34 | | Ast | 2751 mm | |
| Performances 5.1 Travel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 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 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 6.2 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | 4.35 | | Wa | 1598 mm | |
| Performances 5.1 Travel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 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 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 6.2 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | | • | | 2205 mm | |
| 5.1 Travel speed (laden / unladen) 12.30 km/h / 12.50 km/h 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.65 m/s 5.3 Lowering speed (laden / unladen) 0.58 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 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) 0.50 m/s / 0.65 m/s 5.3 Lowering speed (laden / unladen) 0.58 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 S2 60 min 5.90 kW 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | 5.1 | | | 12.30 km/h / 12.50 km/h | |
| 5.3 Lowering speed (laden / unladen) 0.58 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 S2 60 min 5.90 kW 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 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 5.7 Gradeability (laden / unladen) 7.50 % / 11.10 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 5.90 kW 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 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 % 5.10 Service brake Electric 6.1 Drive motor rating S2 60 min 5.90 kW 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | | - , , | | | |
| 5.10 Service brake Electric Engine Companies 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | | | | | |
| Engine 5.90 kW 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous Electronic 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | | , | | | |
| 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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 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 \$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 / 310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | 6.1 | | | 5.90 kW | |
| 6.3 Battery according to DIN 43531/35/36 A, B, C DIN43531 B 6.4 Battery voltage / capacity 48 V / 310 Ah 6.5 Battery weight (+/- 5%) 730 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min | | | | | |
| 6.4 Battery voltage / capacity | | | | | |
| 6.5 Battery weight (+/- 5%) 730 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 | 3.0 | | | , 55 % | |
| 8.3 Oil flow rate for attachments 25 l/min | 8.1 | | | Electronic | |
| | | •• | | | |
| | 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 57.40 dB | |

ER 12 - Dimensional drawing



Characteristics of masts and residual capacities

| Free Lift Triplex (FLT) | FLT 48 | FLT 54 | FLT 57 | FLT 63 | FLT 68 | |
|--|--------|--------|--------|--------|--------|------|
| α - Mast/fork carriage tilt, forward ° | | 3 | 3 | 3 | 3 | 3 |
| β - Mast/fork carriage tilt, backward | ۰ | 1 | 1 | 1 | 1 | 1 |
| h1 - Mast lowered height | mm | 2140 | 2340 | 2440 | 2640 | 2790 |
| h2 - Mast free lift | mm | 1600 | 1800 | 1900 | 2100 | 2250 |
| h3 - Mast lifting height | mm | 4800 | 5400 | 5700 | 6300 | 6800 |
| h4 - Mast extended height | mm | 5380 | 5980 | 6280 | 6880 | 7330 |
| Residual capacity with integrated side shift at max heigth | kg | 1200 | 1200 | 1200 | 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



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