Technical sheet :





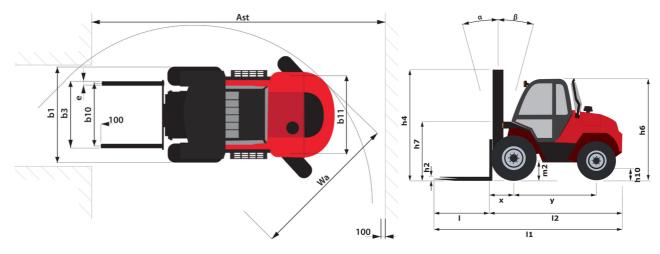


| | Technical characteristics | |
|-------|--|-----|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | |
| 1.6 | Load center of gravity | |
| 1.8 | Load distance, centre of drive axle to fork | |
| 1.9 | Wheelbase | |
| | Weight | |
| 2.1 | Service weight | |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | |
| | Wheels | |
| 3.1 | Tires type | |
| 3.3 | Dimensions of rear wheels | |
| 3.5 | Number of front wheels / rear wheels | |
| 3.5.2 | Number of drive wheels | |
| 3.6 | Front wheel gauge | b |
| | Dimensions | |
| 4.7 | Height of overhead guard (cabin) | ł |
| 4.19 | Overall length | |
| 4.20 | Length to face of forks | |
| 4.21 | Overall width | t |
| 4.22 | Forks section x width x length | s / |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | |
| 4.24 | Fork carriage width | t |
| 4.31 | Ground clearance below mast | n |
| 4.32 | Ground clearance at centre of wheelbase | n |
| 4.35 | Turning radius | V |
| | Performances | |
| 5.1 | Travel speed (laden / unladen) | |
| 5.2 | Lifting speed (laden / unladen) | |
| 5.3 | Lowering speed (laden / unladen) | |
| 5.5 | Drawbar pull (Laden / Unladen) | |
| 5.10 | Service brake | |
| | Transmission type | |
| | Engine | |
| 7.1 | Engine brand / model / norm | |
| 7.2 | I.C. Engine power rating | |
| 7.3 | Rated speed | |
| | Miscellaneous | |
| 8.1 | Type of drive control | |

| M-X 50-4 | Created on June 20, 2025 at 8:12 AM UTC | | | | | | | |
|----------|---|--|--|--|--|--|--|--|
| | Metric | | | | | | | |
| | Manitou | | | | | | | |
| | M-X 50-4 | | | | | | | |
| | Diesel | | | | | | | |
| | Seated | | | | | | | |
| Q | 5000 kg | | | | | | | |
| С | 600 mm | | | | | | | |
| x | 762 mm | | | | | | | |
| у | 2120 mm | | | | | | | |
| | | | | | | | | |
| | 7660 kg | | | | | | | |
| | 10800 kg / 1869 kg | | | | | | | |
| | 2570 kg / 5090 kg | | | | | | | |
| | | | | | | | | |
| | Pneumatic | | | | | | | |
| | 340/80R18 XMCL 143A8 | | | | | | | |
| | 2 / 2 | | | | | | | |
| | 4 | | | | | | | |
| b10 | 1620 mm | | | | | | | |
| | | | | | | | | |
| h6 | 2495 mm | | | | | | | |
| 11 | 4945 mm | | | | | | | |
| 12 | 3745 mm | | | | | | | |
| b1 | 2080 mm | | | | | | | |
| s/e/l | 50 mm x 150 mm / 1200 mm | | | | | | | |
| | 4A | | | | | | | |
| b3 | 1670 mm | | | | | | | |
| m1 | 265 mm | | | | | | | |
| m2 | 375 mm | | | | | | | |
| Wa | 4155 mm | | | | | | | |
| | | | | | | | | |
| | 24 km/h / 23.40 km/h | | | | | | | |
| | 0.40 m/s / 0.50 m/s | | | | | | | |
| | 0.40 m/s / 0.40 m/s | | | | | | | |
| | 10360 daN / 6205 daN | | | | | | | |
| | Hydraulic | | | | | | | |
| | Torque converter | | | | | | | |
| | Dorking / 1104D 44T NI 20004 / Store IIIA | | | | | | | |
| | Perkins / 1104D-44T NL38894 / Stage IIIA | | | | | | | |
| | 70 Hp | | | | | | | |
| | 2360 rpm | | | | | | | |

Hydraulic

M-X 50-4 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 30 | FVD 33 | FVD 35 | FVD 37 | FVD 40 | FVD 45 | FVD 50 |
|---|----|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ۰ | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| β - Mast/fork carriage tilt, backward | ٥ | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| h1 - Mast lowered height | mm | 2520 | 2670 | 2770 | 2870 | 3020 | 3270 | 3520 |
| h4 - Mast extended height | mm | 4070 | 4370 | 4570 | 4770 | 5070 | 5570 | 6070 |
| Residual capacity at max height | kg | 5000 | 5000 | 5000 | 5000 | 5000 | 4500 | 4000 |
| Residual capacity with integrated side shift at max heigth | kg | 4700 | 4700 | 4700 | 4700 | 4700 | 4050 | 3600 |
| Height at max capacity | mm | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |

| Free Lift Triplex (FLT) | | FLT 37 | FLT 40 | FLT 43 | FLT 45 | FLT 47 | FLT 50 | FLT 55 | FLT 60 |
|---|----|--------|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward ° | | 15 | 15 | 15 | 15 | 15 | 10 | 10 | 10 |
| β - Mast/fork carriage tilt, backward | ٥ | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| h1 - Mast lowered height | mm | 2270 | 2370 | 2470 | 2545 | 2605 | 2720 | 2870 | 3045 |
| h2 - Mast free lift | mm | 1265 | 1365 | 1465 | 1540 | 1600 | 1715 | 1865 | 2040 |
| h4 - Mast extended height | mm | 4770 | 5070 | 5370 | 5570 | 5770 | 6070 | 6570 | 7070 |
| Residual capacity at max height | kg | 5000 | 5000 | 4500 | 4000 | 3700 | 3300 | 2400 | 2000 |
| Residual capacity with integrated side shift at max heigth | kg | 4700 | 4500 | 4050 | 3600 | 3330 | 2970 | 2160 | 1800 |
| Height at max capacity | mm | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |





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