

Technical sheet :

MC-X 25-4



 **MANITOU**
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| Technical characteristics | | Metric | |
|---------------------------|------------------------------------------------------------------------------------------|-----------|--------------------------------------|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | MC-X 25-4 |
| 1.3 | Power source | | Diesel |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 2500 kg |
| 1.6 | Load center of gravity | c | 500 mm |
| 1.8 | Load distance, centre of drive axle to fork | x | 621 mm |
| 1.9 | Wheelbase | y | 1900 mm |
| Weight | | | |
| 2.1 | Service weight | | 4035 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 5550 kg / 985 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 1575 kg / 2460 kg |
| Wheels | | | |
| 3.1 | Tires type | | Pneumatic |
| 3.2 | Dimensions of front wheels | | 12,5/80-18/12 SL R4 |
| 3.3 | Dimensions of rear wheels | | 27x10-12 SKS |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.5.2 | Number of drive wheels | | 4 |
| 3.6 | Front wheel gauge | b10 | 1159 mm |
| 3.7 | Rear wheel gauge | b11 | 1176 mm |
| Dimensions | | | |
| 4.7 | Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version) | h6 / h6* | 2155 mm / 1990 mm |
| 4.8 | Seat height/stand height | h7 | 1094 mm |
| 4.19 | Overall length | l1 | 4195 mm |
| 4.20 | Length to face of forks | l2 | 3045 mm |
| 4.21 | Overall width | b1 | 1450 mm |
| 4.22 | Forks section x width x length | s / e / l | 40 mm x 122 mm / 1150 mm |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | 2A |
| 4.24 | Fork carriage width | b3 | 1260 mm |
| 4.31 | Ground clearance below mast | m1 | 300 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 310 mm |
| 4.35 | Turning radius | Wa | 3405 m |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 12 km/h / 24.90 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.47 m/s / 0.46 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.50 m/s / 0.30 m/s |
| 5.10 | Service brake | | Hydraulic brakes by loss of pressure |
| | Transmission type | | Hydrostatic |
| Engine | | | |
| 7.1 | Engine brand / model | | Kubota / V2403 |
| 7.2 | I.C. Engine power rating | | 36 kW |
| 7.3 | Rated speed | | 2700 rpm |
| 7.4 | Number of cylinders / Capacity of cylinders | | 4 - 2434 cm³ |
| Miscellaneous | | | |
| 8.1 | Type of drive control | | Cable |
| 8.2 | Working hydraulic pressure for attachments | | 180 bar |
| 8.3 | Oil flow rate for attachments | | 53 l/min |

MC-X 25-4 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 33 | FVD 37 | FVD 45 |
|---------------------------------------------|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 10 | 10 | 10 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 | 12 |
| h1 - Mast lowered height | mm | 2338 | 2598 | 3038 |
| h2 - Mast free lift | mm | 112 | 112 | 112 |
| h3 - Mast lifting height | mm | 3300 | 3700 | 4500 |
| h4 - Mast extended height | mm | 4090 | 4490 | 5290 |
| Height at max capacity | mm | 2500 | 2500 | 2500 |

| Free Lift Triplex (FLT) | | FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 |
|---------------------------------------------|----|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 10 | 10 | 10 | 10 | 10 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 | 12 | 12 | 12 | 6 |
| h1 - Mast lowered height | mm | 1988 | 2088 | 2188 | 2338 | 2438 | 2788 |
| h2 - Mast free lift | mm | 1210 | 1310 | 1410 | 1510 | 1660 | 1920 |
| h3 - Mast lifting height | mm | 3400 | 3700 | 4000 | 4300 | 4700 | 5500 |
| h4 - Mast extended height | mm | 4236 | 4536 | 4836 | 5168 | 5536 | 6408 |
| Height at max capacity | mm | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |

| Full Visibility Triplex (FVT) | | FVT 33 |
|---------------------------------------------|----|--------|
| α - Mast/fork carriage tilt, forward | ° | 10 |
| β - Mast/fork carriage tilt, backward | ° | 12 |
| h1 - Mast lowered height | mm | 1878 |
| h2 - Mast free lift | mm | 124 |
| h3 - Mast lifting height | mm | 3300 |
| h4 - Mast extended height | mm | 4079 |
| Height at max capacity | mm | 2500 |



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