Technical sheet :



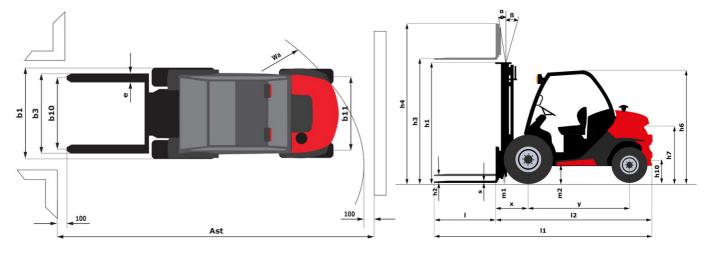




| | Technical characteristics |
|-------------|--|
| 1.1 | Manufacturer |
| 1.2 | Model Name |
| 1.3 | Power source |
| 1.4 | Operator type |
| 1.5 | Max. capacity |
| 1.6 | Load center of gravity |
| 1.8 | Load distance, centre of drive axle to fork |
| 1.9 | Wheelbase |
| | Weight |
| 2.1 | Service 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 |
| 3.2 | Dimensions of front wheels |
| 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 |
| 3.7 | Rear wheel gauge |
| 0.7 | Dimensions |
| 4.7 | Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version) |
| 4.8 | Seat height/stand height |
| 4.19 | Overall length |
| 4.10 | Length to face of forks |
| 4.20 | Overall width |
| 4.22 | Forks section x width x length |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B |
| 4.23 | Fork carriage width |
| 4.24 | Ground clearance below mast |
| 4.31 | Ground clearance below mast |
| 4.35 | Turning radius |
| 4.50 | Performances |
| 5.1 | |
| 5.2 | Travel speed (laden / unladen) |
| 5.2 | Lifting speed (laden / unladen) |
| 5.3 5.10 | Lowering speed (laden / unladen) Service brake |
| 5.10 | Engine |
| 7.2 | |
| 7.2 | Engine power according to ISO 1585 |
| 7.1 | Engine brand / model |
| | Engine power according to ISO 1585 |
| 7.3 | Rated speed |
| 7.4 | Number of cylinders / Capacity of cylinders |
| 0.1 | Miscellaneous |
| 8.1 | Type of drive control |
| 8.2 | Working hydraulic pressure for attachments |
| 8.3 | Oil flow rate for attachments |

| MetricManitouMC-X-25-4DieselSeatedQ2500 kgcSolo mmx621 mmy1900 mmy1900 mmy1900 mmx621 mmy1900 mm100 mm101 1575 kg / 2460 kg112,5/80-18/12 SL R427x10-12 SKS212101 1159 mm1131141159 mm111159 mm111111111111111111111111111111123045 mm1314150 mm151151152 km/h / 24.90 km/h153153154155 | | |
|---|-----------|--------------------------------------|
| MC-X_25-4DieselQCSeatedSeatedSeatedCSolo kgx621 mmy1900 mmy1900 mmy1900 mm4035 kgS550 kg / 985 kg1575 kg / 2460 kg12,5/80-18/12 SL R42/212,5/80-18/12 SL R42/22/244b101159 mmb1111041114195 mmb111114195 mm1123045 mmb135/e / I40 mm x 122 mm / 1150 mms/e / I40 mm x 122 mm / 1150 mmm1300 mmm2310 mmwa3405 mm1300 mmm2310 mmwa3405 m12 km/h / 24.90 km/h0.47 m/s / 0.46 m/s0.50 m/s / 0.30 m/sHydraulic brakes by loss of pressueMain Si Si Kubota / V240336 kWKubota / V240336 kW2700 rpm4280290 rpm290 rpm201 rpm201 rpm201 rpm210 rpm210 rpm210 rpm210 rpm210 rpm210 rpm210 rpm210 rpm210 rpm <t< td=""><td></td><td>Metric</td></t<> | | Metric |
| DieselQSeatedQ2500 kgc500 mmx621 mmy1900 mmy1575 kg / 2460 kgy2/2y2/2y2/2y2/2y2/2y1159 mmb101159 mmb111176 mmy200 mmh6/ h6*2155 mm / 1990 mmh71094 mm114195 mmy200 mmy200 mmy200 mmm1300 mmm2310 mmwa3405 mwa3405 mwa36 kWKubota / V2403y36 kWKubota / V2403y36 kWy2700 rpmy36 kWy200 pmy36 kWy <td></td> <td>Manitou</td> | | Manitou |
| QSeatedQ2500 kgx621 mmy1900 mmy1575 kg / 2460 kgy2400 kgy2/2y2/2y2/2y2/2y1159 mmb101159 mmb111176 mmy200 mmh6 / h6*2155 mm / 1990 mmh71094 mmy3045 mmb11450 mmy2Ay300 mmm1300 mmm2310 mmwa3405 mwa300 mmm2310 mmm312 km/h / 24.90 km/h0.47 m/s / 0.46 m/s0.47 m/s / 0.46 m/s0.47 m/s / 0.46 m/sy36 kWKubota / V2403y36 kWy2700 rpmy36 kWy200 rpmy36 kWy200 rpmy36 kWy36 kWy36 kWy36 kWy36 kWy36 kWy36 kWy36 kWy36 kWy36 kWy< | | MC-X_25-4 |
| Q2500 kgc500 nmx621 nmy1900 nmy1900 nmy1900 nm4035 kg5550 kg / 985 kg1575 kg / 2460 kg01575 kg / 2460 kg22/202/2101159 nm111176 nm101159 nm111176 nm123045 nm131260 nm142Ab101150 nm11300 nm123045 nm131260 nmm1300 nmm2310 nmWa3405 n36 kWKubota / V240356 kW2700 pm4 - 2434 cm³180 bar | | Diesel |
| c 500 mm x 621 mm y 1900 mm y 1900 mm y 1900 mm 4035 kg 5550 kg / 985 kg 1575 kg / 2460 kg 1575 kg / 2460 kg Pneumatic 2/2 12 2/2 4 1175 mm 10 1159 mm 11 1176 mm 4 1176 mm 11 1176 mm 12 3045 mm 11 4195 mm 12 3045 mm 13 1260 mm 14 930 mm 15 240 mm x 122 mm / 1150 mm 12 3045 mm 13 1260 mm 14 300 mm 12 310 mm 13 0.50 m/s / 0.46 m/s 12 km/h / 24.90 km/h 0.47 m/s / 0.46 m/s 13 0.50 m/s / 0.30 m/s 14 1450 mm 1450 mm 14 1450 mm 1450 mm 14 <td< td=""><td></td><td>Seated</td></td<> | | Seated |
| x 621 mm y 1900 mm y 1900 mm 4035 kg 4035 kg 5550 kg / 985 kg 5550 kg / 985 kg 1575 kg / 2460 kg 1575 kg / 2460 kg 1575 kg / 2460 kg 12,5/80-18/12 SL R4 2/2 2/2 2/2 4 12,5/80-18/12 SL R4 2/2 2/2 4 4 10 11 10 1159 mm 12 10 11 10 1159 mm 10 11 11 11 11 11 11 11 11 11 | Q | 2500 kg |
| y 1900 mm 4035 kg 4035 kg 5550 kg / 985 | С | 500 mm |
| 4035 kg 4035 kg 5550 kg / 985 kg 1575 kg / 2460 kg Pneumatic 12,5/80-18/12 SL R4 27x10-12 SKS 2/2 4 b10 11575 mm b10 1159 mm b11 1176 mm b12 304 b13 12 304 12 305 mm b1 1450 mm s2 (e / 1) 40 mm x 122 mm / 1150 mm m1 300 mm m2 310 mm w3 w3 w3 w3 w3 w3 w3 w3 < | х | 621 mm |
| 5550 kg / 2460 kg 1575 kg / 2460 kg Pneumatic 12,5/80-18/12 SL R4 2/2 2/2 4 b10 b11 1159 mm b11 1176 mm h6 / h6* 7 109 mm b11 110 b11 112 3045 mm b1 140 mm x 122 mm / 1150 mm b1 5 / e / l 40 mm x 122 mm / 1150 mm s / e / l 40 mm x 122 mm / 1150 mm s / e / l 40 mm x 122 mm / 1150 mm wa 300 mm m1 300 mm m2 310 mm wa 3405 m 12 km/h / 24.90 km/h 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s Hydraulic brakes by loss of pressure 36 kW 2700 rpm 4 - 2434 cm³ 6 6 Cable | у | 1900 mm |
| 5550 kg / 2460 kg 1575 kg / 2460 kg Pneumatic 12,5/80-18/12 SL R4 2/2 2/2 4 b10 b11 1159 mm b11 1176 mm h6 / h6* 7 109 mm b11 110 b11 112 3045 mm b1 140 mm x 122 mm / 1150 mm b1 5 / e / l 40 mm x 122 mm / 1150 mm s / e / l 40 mm x 122 mm / 1150 mm s / e / l 40 mm x 122 mm / 1150 mm wa 300 mm m1 300 mm m2 310 mm wa 3405 m 12 km/h / 24.90 km/h 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s Hydraulic brakes by loss of pressure 36 kW 2700 rpm 4 - 2434 cm³ 6 6 Cable | | |
| 1575 kg / 2460 kg Pneumatic 12,5/80-18/12 SL R4 2/2 2/2 4 b10 b11 1155 mm / 1990 mm b11 12 3045 mm 12 300 mm m1 300 mm m2 310 mm Wa 36 kW 12 km/h / 24.90 km/h 0.40 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s 12 km/h / 24.90 km/h 0.41 m/s 136 kW 2700 mm 36 kW <td< td=""><td></td><td>4035 kg</td></td<> | | 4035 kg |
| Pneumatic 12,5/80-18/12 SL R4 2/2 4 b10 b11 1159 mm b11 1176 mm h6 / h6* 2155 mm / 1990 mm h7 1094 mm 11 4195 mm b1 11 4195 mm b1 11 4195 mm b1 5/e / l 40 mm x 122 mm / 1150 mm s/e / l 40 mm x 122 mm / 1150 mm s/e / l 40 mm x 122 mm / 1150 mm wa 310 mm wa 310 mm wa 3405 m wa 310 mm wa 36 kW 36 kW 36 kW 2700 mm 36 kW 2700 mm 4 - 2434 cm³ Cable 180 bar | | 5550 kg / 985 kg |
| 12,5/80-18/12 SL R4 2/2 2/2 4 b10 b11 1159 mm b11 11 h6 / h6* 7 1094 mm 11 4195 mm 11 4195 mm 12 3045 mm 5/e / I 40 mm x 122 mm / 1150 mm s/e / I 40 mm x 122 mm / 1150 mm s/e / I 40 mm x 122 mm / 1150 mm s/e / I 40 mm x 122 mm / 1150 mm s/e / I 40 mm x 122 mm / 1150 mm wa 300 mm m1 300 mm m2 310 mm wa 300 mm wa 310 mm wa 310 mm wa 36 kW Gas kW Skibota / V2403 36 kW 2700 mm 36 kW 2700 mm | | 1575 kg / 2460 kg |
| 12,5/80-18/12 SL R4 2/2 2/2 4 b10 b11 1159 mm b11 11 h6 / h6* 7 1094 mm 11 4195 mm 11 4195 mm 12 3045 mm 5/e / I 40 mm x 122 mm / 1150 mm s/e / I 40 mm x 122 mm / 1150 mm s/e / I 40 mm x 122 mm / 1150 mm s/e / I 40 mm x 122 mm / 1150 mm s/e / I 40 mm x 122 mm / 1150 mm wa 300 mm m1 300 mm m2 310 mm wa 300 mm wa 310 mm wa 310 mm wa 36 kW Gas kW Skibota / V2403 36 kW 2700 mm 36 kW 2700 mm | | |
| 27x10-12 SKS 2 / 2 4 b10 1159 mm b11 110 h6 / h6* A h7 1094 mm 11 4195 mm 12 3045 mm b1 4195 mm 12 3045 mm b1 1450 mm s/e / l 40 mm x 122 mm / 1150 mm s/e / l 40 mm x 122 mm / 1150 mm s/e / l 40 mm x 122 mm / 1150 mm s/e / l 40 mm x 122 mm / 1150 mm wa 300 mm m1 300 mm m2 310 mm wa 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s Hydraulic brakes by loss of pressure 36 kW Kubota / V2403 36 kW 2700 mm 4 - 2434 cm³ Cable 180 bar | | Pneumatic |
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| b11 1176 mm h6 / h6* 2155 mm / 1990 mm h7 1094 mm h7 1094 mm l1 4195 mm l2 3045 mm b1 1450 mm b1 40 mm x 122 mm / 1150 mm s / e / l 40 mm x 122 mm / 1150 mm s / e / l 40 mm x 122 mm / 1150 mm wa 300 mm m1 300 mm wa 3405 m wa 3405 m uaster and | | 4 |
| h6 / h6* 2155 mm / 1990 mm h7 1094 mm h1 4195 mm 12 3045 mm b1 1450 mm b1 40 mm x 122 mm / 1150 mm s / e / l 40 mm x 122 mm / 1150 mm b3 1260 mm m1 300 nm m2 310 mm Wa 3405 m Ma 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s 1450 mm Hydraulic brakes by loss of pressure 36 kW Skubcta / V2403 36 kW 4 2434 cm³ Cable 180 bar | b10 | 1159 mm |
| h7 1094 mm 11 4195 mm 12 3045 mm b1 1450 mm s / e / l 40 mm x 122 mm / 1150 mm b3 1260 mm m1 300 mm m2 310 mm Wa 3405 m Ma 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s 136 kW Hydraulic brakes by loss of pressure 36 kW SKubota / V2403 36 kW 4 - 2434 cm³ 2700 pm Gable 180 bar | b11 | 1176 mm |
| h7 1094 mm 11 4195 mm 12 3045 mm b1 1450 mm s / e / l 40 mm x 122 mm / 1150 mm b3 1260 mm m1 300 mm m2 310 mm Wa 3405 m Ma 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s 136 kW Hydraulic brakes by loss of pressure 36 kW SKubota / V2403 36 kW 4 - 2434 cm³ 2700 pm Gable 180 bar | | |
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| b1 1450 mm s / e / l 40 mm x 122 mm / 1150 mm b3 2A b3 1260 mm m1 300 mm m2 310 mm Wa 3405 m I 12 km/h / 24.90 km/h 0.47 m/s / 0.46 m/s 0.47 m/s I 0.50 m/s / 0.30 m/s I 12 km/h / 24.90 km/h I 0.56 m/s / 0.30 m/s I 36 kW I 36 kW I 36 kW I 2700 pm I 4 - 2434 cm³ I Cable 180 bar 180 bar | | |
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| 2A b3 1260 mm m1 300 mm m2 310 mm Wa 3405 m U 12 km/h / 24.90 km/h 0.47 m/s / 0.46 m/s 0.50 m/s 0.50 m/s / 0.30 m/s 14 km/a 400 mm 36 kW 35 kW 36 kW 2700 mm 2700 mm 4 - 2434 cm³ 2700 mm 180 bar 180 bar | | |
| b3 1260 mm m1 300 mm m2 310 mm Wa 3405 m Wa 3405 m 12 km/h / 24.90 km/h 0.47 m/s / 0.46 m/s 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s Wa 36 kW Safe kW 2700 rpm 4 - 2434 cm ³ Cable 180 bar 180 bar | s / e / l | |
| m1 300 mm m2 310 mm Wa 3405 m Wa 3405 m Image: I | | |
| m2 310 mm Wa 3405 m Ual 12 km/h / 24.90 km/h 12 km/h / 24.90 km/h 0.47 m/s / 0.46 m/s 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s Ual 0.50 m/s / 0.30 m/s Hydraulic brakes by loss of pressure 36 kW Kubota / V2403 36 kW 2700 rpm 4 - 2434 cm ³ Cable 180 bar | | |
| Wa 3405 m 12 km/h / 24.90 km/h 0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s 0.50 m/s / 0.30 m/s Hydraulic brakes by loss of pressure 36 kW Kubota / V2403 36 kW 2700 rpm 4 - 2434 cm³ Cable 180 bar | | |
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| 0.50 m/s / 0.30 m/s Hydraulic brakes by loss of pressure 36 kW Kubota / V2403 36 kW 2700 rpm 4 - 2434 cm ³ Cable 180 bar | | |
| Hydraulic brakes by loss of pressure 36 kW Kubota / V2403 36 kW 2700 rpm 4 - 2434 cm ³ Cable 180 bar | | |
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| Kubota / V2403 36 kW 2700 rpm 4 - 2434 cm ³ Cable 180 bar | | Tyulaulic blakes by loss of plessure |
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| 2700 rpm 4 - 2434 cm³ Cable 180 bar | | |
| 4 - 2434 cm³ Cable 180 bar | | |
| Cable 180 bar | | · · |
| 180 bar | | |
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| | | |
| | | |
| | | |

MC-X 25-4 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 33 | FVD 37 | FVD 45 |
|-----------------------------------|----|--------|--------|--------|
| Mast/fork carriage tilt, forward | ٥ | 10 | 10 | 10 |
| Mast/fork carriage tilt, backward | ٥ | 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 |
|------------------------------------|----|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward ° | | 10 | 10 | 10 | 10 | 10 | 6 |
| Mast/fork carriage tilt, backward | ۰ | 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 |
|-----------------------------------|----|--------|
| Mast/fork carriage tilt, forward | ۰ | 10 |
| Mast/fork carriage tilt, backward | ٥ | 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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