

Technical sheet :

M-X 30-4



 **MANITOU**
HANDLING YOUR WORLD

| Technical characteristics | | Metric | |
|---------------------------|--|--------|-----------------------------|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | M-X 30-4 |
| 1.3 | Power source | | Diesel |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 3000 kg |
| 1.6 | Load center of gravity | c | 500 mm |
| 1.8 | Load distance, centre of drive axle to fork | x | 810 mm |
| 1.9 | Wheelbase | y | 2100 mm |
| Weight | | | |
| 2.1 | Service weight | | 5320 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 6550 kg / 1370 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 2370 kg / 2950 kg |
| Wheels | | | |
| 3.1 | Tires type | | Pneumatic |
| 3.3 | Dimensions of rear wheels | | 10,5/80-18 10PR TG42 TL |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.5.2 | Number of drive wheels | | 4 |
| 3.6 | Front wheel gauge | b10 | 1670 mm |
| Dimensions | | | |
| 4.7 | Height of overhead guard (cabin) | h6 | 2540 mm |
| 4.19 | Overall length | l1 | 4835 mm |
| 4.20 | Length to face of forks | l2 | 3635 mm |
| 4.21 | Overall width | b1 | 2105 mm |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | 3A |
| 4.24 | Fork carriage width | b3 | 1470 mm |
| 4.31 | Ground clearance below mast | m1 | 495 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 395 mm |
| 4.35 | Turning radius | Wa | 4070 mm |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 27 km/h / 27 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.50 m/s / 0.60 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.50 m/s / 0.50 m/s |
| 5.5 | Drawbar pull (Laden / Unladen) | | 5685 daN / 3665 daN |
| 5.10 | Service brake | | Hydraulic |
| Engine | | | |
| 7.1 | Engine brand / model | | Perkins / 1104D-44T NL38894 |
| 7.3 | Rated speed | | 2360 rpm |
| Miscellaneous | | | |
| 8.1 | Type of drive control | | Hydraulic |

M-X 30-4 - Dimensional drawing



Characteristics of masts and residual capacities

| | | FLT 55 |
|---------------------------------------|----|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 |
| h1 - Mast lowered height | mm | 2.97 |
| h2 - Mast free lift | mm | 1.98 |
| h4 - Mast extended height | mm | 6532 |
| Height at max capacity | mm | 2500 |

| Full Visibility Duplex (FVD) | | FVD 30 | FVD 33 | FVD 35 | FVD 37 | FVD 40 | FVD 45 | FVD 50 | FVD 55 | FVD 60 |
|---------------------------------------|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| h1 - Mast lowered height | mm | 2375 | 2525 | 2625 | 2785 | 2975 | 3225 | 3475 | 3725 | 3975 |
| h2 - Mast free lift | mm | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| h4 - Mast extended height | mm | 4115 | 4415 | 4615 | 4815 | 5115 | 5615 | 6115 | 6615 | 7115 |
| Residual capacity at max height | kg | | | | | | | | 1500 | |
| Height at max capacity | mm | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |

| Free Lift Triplex (FLT) | | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 50 | FLT 60 |
|--|----|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 | 12 | 12 | 12 | 12 |
| h1 - Mast lowered height | mm | 2275 | 2375 | 2525 | 2625 | 2785 | 3225 |
| h2 - Mast free lift | mm | 1283 | 1383 | 1533 | 1633 | 1793 | 2233 |
| h4 - Mast extended height | mm | 4732 | 5032 | 5332 | 5732 | 6032 | 7032 |
| Residual capacity at max height | kg | 3000 | 3000 | 2500 | 2250 | 1500 | |
| Residual capacity with integrated side shift at max height | kg | | | 2500 | 1750 | 1250 | |
| Height at max capacity | mm | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |

| | | FVT 55 |
|---------------------------------------|----|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 |
| h1 - Mast lowered height | mm | 3055 |
| h4 - Mast extended height | mm | 6725 |
| Residual capacity at max height | kg | 2100 |
| Height at max capacity | mm | 2500 |



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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