Technical sheet :







|   | Technical characteristics  |  |  |  |  |
|---|--|--|--|--|--|
| 1.1   | Manufacturer   |  |  |  |  |
| 1.1   | Model Name   |  |  |  |  |
| 1.2   | Power source   |  |  |  |  |
| 1.3   | Operator type  |  |  |  |  |
| 1.4   | Max. capacity  |  |  |  |  |
| 1.6   | Load center of gravity   |  |  |  |  |
| 1.8   | Load distance, centre of drive axle to fork  |  |  |  |  |
| 1.0   | Load distance, centre of drive axie to fork<br>Wheelbase   |  |  |  |  |
| 1.9   | Weight   |  |  |  |  |
| 2.1   | Service weight   |  |  |  |  |
| 2.1   | Weight on front axle (laden) / rear axle (laden)   |  |  |  |  |
| 2.2   | Weight on front axle (Inladen) / rear axle (Unladen)   |  |  |  |  |
| 2.0   | Wheels   |  |  |  |  |
| 3.1   | Tires type   |  |  |  |  |
| 3.1   | 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   |  |  |  |  |
|   |  |  |  |  |  |
|   | Dimensions   |  |  |  |  |
| 4.7   |  |  |  |  |  |
| 4.7<br>4.8  | Dimensions<br>Height of overhead guard (cabin)<br>Seat height/stand height   |  |  |  |  |
|   | Height of overhead guard (cabin)   |  |  |  |  |
| 4.8   | Height of overhead guard (cabin)<br>Seat height/stand height   |  |  |  |  |
| 4.8<br>4.19   | Height of overhead guard (cabin)<br>Seat height/stand height<br>Overall length   |  |  |  |  |
| 4.8<br>4.19<br>4.20   | Height of overhead guard (cabin)<br>Seat height/stand height<br>Overall length<br>Length to face of forks  |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21   | Height of overhead guard (cabin)<br>Seat height/stand height<br>Overall length<br>Length to face of forks<br>Overall width   |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22   | Height of overhead guard (cabin)<br>Seat height/stand height<br>Overall length<br>Length to face of forks<br>Overall width<br>Forks section x width x length   |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23   | Height of overhead guard (cabin)<br>Seat height/stand height<br>Overall length<br>Length to face of forks<br>Overall width<br>Forks section x width x length<br>Fork carriage ISO 2328 (class/form) A/B  |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.23   | Height of overhead guard (cabin)<br>Seat height/stand height<br>Overall length<br>Length to face of forks<br>Overall width<br>Forks section x width x length<br>Fork carriage ISO 2328 (class/form) A/B<br>Fork carriage width   |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31   | Height of overhead guard (cabin)<br>Seat height/stand height<br>Overall length<br>Length to face of forks<br>Overall width<br>Forks section x width x length<br>Fork carriage ISO 2328 (class/form) A/B<br>Fork carriage width<br>Ground clearance below mast  |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32   | Height of overhead guard (cabin)<br>Seat height/stand height<br>Overall length<br>Length to face of forks<br>Overall width<br>Forks section x width x length<br>Fork carriage ISO 2328 (class/form) A/B<br>Fork carriage width<br>Ground clearance below mast<br>Ground clearance at centre of wheelbase   |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32<br>4.34   | Height of overhead guard (cabin)   Seat height/stand height   Overall length   Length to face of forks   Overall width   Forks section x width x length   Fork carriage ISO 2328 (class/form) A/B   Fork carriage width   Ground clearance below mast   Ground clearance at centre of wheelbase   Aisle width for 800 x 1200 pallet lengttways   |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32<br>4.34   | Height of overhead guard (cabin)   Seat height/stand height   Overall length   Length to face of forks   Overall width   Forks section x width x length   Fork carriage ISO 2328 (class/form) A/B   Fork carriage width   Ground clearance below mast   Ground clearance at centre of wheelbase   Aisle width for 800 x 1200 pallet lengthways   Turning radius  |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32<br>4.34<br>4.35                                   | Height of overhead guard (cabin)   Seat height/stand height   Overall length   Length to face of forks   Overall width   Forks section x width x length   Fork carriage ISO 2328 (class/form) A/B   Fork carriage width   Ground clearance below mast   Ground clearance at centre of wheelbase   Aisle width for 800 x 1200 pallet lengthways   Turning radius   Performances   |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32<br>4.34<br>4.35<br>5.1                            | Height of overhead guard (cabin)   Seat height/stand height   Overall length   Length to face of forks   Overall width   Forks section x width x length   Fork carriage ISO 2328 (class/form) A/B   Fork carriage width   Ground clearance below mast   Ground clearance at centre of wheelbase   Aisle width for 800 x 1200 pallet lengthways   Tuming radius   Performances   Travel speed (laden)   |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32<br>4.34<br>4.35<br>5.1<br>5.2.1                   | Height of overhead guard (cabin)   Seat height/stand height   Overall length   Length to face of forks   Overall width   Forks section x width x length   Fork carriage ISO 2328 (class/form) A/B   Fork carriage width   Ground clearance below mast   Ground clearance at centre of wheelbase   Aisle width for 800 x 1200 pallet lengthways   Tuming radius   Performances   Travel speed (laden)   Lifting speed (unladen)   |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32<br>4.34<br>4.35<br>5.1<br>5.2.1<br>5.2.1<br>5.3.1 | Height of overhead guard (cabin)   Seat height/stand height   Overall length   Length to face of forks   Overall width   Forks section x width x length   Fork carriage ISO 2328 (class/form) A/B   Fork carriage width   Ground clearance below mast   Ground clearance at centre of wheelbase   Aisle width for 800 x 1200 pallet lengthways   Tuming radius   Performances   Travel speed (laden)   Lifting speed (unladen)   Lowering speed (unladen)                        |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32<br>4.34<br>4.35<br>5.1<br>5.2.1<br>5.3.1<br>5.5   | Height of overhead guard (cabin)   Seat height/stand height   Overall length   Length to face of forks   Overall width   Forks section x width x length   Fork carriage ISO 2328 (class/form) A/B   Fork carriage width   Ground clearance below mast   Ground clearance at centre of wheelbase   Aisle width for 800 x 1200 pallet lengthways   Tuming radius   Performances   Travel speed (laden)   Lifting speed (unladen)   Lowering speed (unladen)   Drawbar pull (Laden) |  |  |  |  |
| 4.8<br>4.19<br>4.20<br>4.21<br>4.22<br>4.23<br>4.24<br>4.31<br>4.32<br>4.34<br>4.35<br>5.1<br>5.2.1<br>5.3.1<br>5.5   | Height of overhead guard (cabin)   Seat height/stand height   Overall length   Length to face of forks   Overall width   Forks section x width x length   Fork carriage ISO 2328 (class/form) A/B   Fork carriage width   Ground clearance below mast   Ground clearance at centre of wheelbase   Aisle width for 800 x 1200 pallet lengthways   Tuming radius   Performances   Travel speed (laden)   Lifting speed (unladen)   Drawbar pull (Laden)   Service brake            |  |  |  |  |

| Metric   |
|----------|
| Manitou  |
| M-X 70-2 |
| Diesel   |

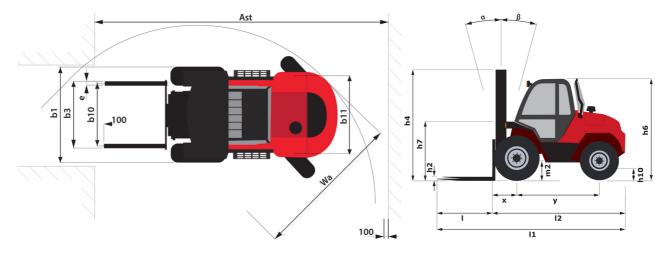
*м-х то-2* Created on August 12, 2025 at 5:27 AM UTC

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b10 b11 h6 h7 11 12 b1 s / e / I b3 m1 m2 Ast Wa

|                   | Metric                  |
|-------------------|-------------------------|
|                   | Ianitou                 |
|                   | 1-X 70-2                |
|                   | Diesel                  |
|                   | Seated                  |
| 7                 | '000 kg                 |
|                   | i00 mm                  |
| 8                 | 103 mm                  |
|                   | 2.49 m                  |
|                   |                         |
| ç                 | 1880 kg                 |
| 14954             | kg / 1926 kg            |
| 4040              | kg / 5840 kg            |
|                   |                         |
| Pr                | eumatic                 |
| 18R18             | 35 8T N20XF             |
| 265/70R1          | 9,5 6T P30 HT3          |
|                   | 2 / 2                   |
|                   | 2                       |
| 1                 | 700 mm                  |
| 1                 | 1545 m                  |
|                   |                         |
|                   | 475 mm                  |
|                   | 485 mm                  |
|                   | 700 mm                  |
|                   | 200 mm<br>155 mm        |
|                   | 50 mm / 1200 mm         |
| 70 mm x 13        | 4A                      |
| 1'                | 4A<br>750 mm            |
|                   | 100 mm                  |
|                   | 10 mm                   |
|                   | 703 mm                  |
|                   | 200 mm                  |
|                   |                         |
| 2                 | 4 km/h                  |
| 0                 | .40 m/s                 |
| 0                 | .40 m/s                 |
| 7                 | 960 daN                 |
| Hydraul           | ic servo brake          |
|                   |                         |
| D 1: /4/2:5       | 4T NL38894 / Stage IIIA |
| Perkins / 1104D-4 | AT NESODIA / Stage IIIA |
| Perkins / 1104D-4 | 70 Hp                   |

## M-X 70-2 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                               |    | FVD 36 | FVD 40 | FVD 45 |
|--|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward                       | ۰  | 15     | 15     | 15     |
| β - Mast/fork carriage tilt, backward                      | ۰  | 15     | 15     | 15     |
| h1 - Mast lowered height                                   | mm | 3145   | 3145   | 3595   |
| h4 - Mast extended height                                  | mm | 4960   | 4960   | 5860   |
| Residual capacity at max height                            | kg | 7000   | 7000   | 6500   |
| Residual capacity with integrated side shift at max heigth | kg | 6300   |        |        |
| Height at max capacity                                     | mm | 2500   | 2500   | 2500   |



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