Technical sheet :





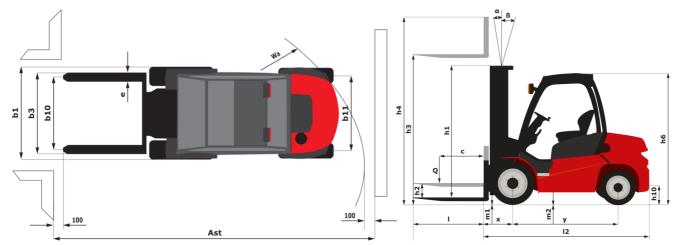


| | Technical characteristics | |
|-------|---|-----------|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | Q |
| 1.6 | Load center of gravity | С |
| 1.8 | Load distance, centre of drive axle to fork | х |
| 1.9 | Wheelbase | у |
| | 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 | b10 |
| 3.7 | Rear wheel gauge | b10 |
| 5.7 | Dimensions | DIT |
| 4.7 | Height of overhead guard (cabin) | h6 |
| 4.7 | Seat height/stand height | h7 |
| 4.0 | Overall length | 11 |
| | - | |
| 4.20 | Length to face of forks | 12 |
| 4.21 | Overall width | b1 |
| 4.22 | Forks section / width / length | s / e / l |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | |
| 4.24 | Fork carriage width | b3 |
| 4.31 | Ground clearance below mast | m1 |
| 4.32 | Ground clearance at centre of wheelbase | m2 |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast |
| 4.35 | Turning radius | Wa |
| | 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) | |
| 5.7 | Gradeability (laden / unladen) | |
| 5.10 | Service brake | |
| | Engine | |
| 7.1 | Engine brand / model | |
| 7.2 | Engine power according to ISO 1585 | |
| 7.3 | Rated speed | |
| 7.4 | Number of cylinders / Capacity of cylinders | |
| | Miscellaneous | |
| 8.1 | Type of drive control | |
| 8.2 | Working hydraulic pressure for attachments | |
| 8.3 | Oil flow rate for attachments | |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | |

| | Metric |
|---|--------------------------------------|
| | Manitou |
| | MSI-X_25 |
| | Diesel |
| | Seated |
| | 2500 kg |
| | 500 mm |
| | 621 mm |
| | 1900 mm |
| | |
| | 3875 kg |
| | 5510 kg / 865 kg |
| | 1533 kg / 2342 kg |
| | 1333 kg / 2342 kg |
| | Inflatable |
| | 300-15/18 6T R43 |
| | 7.00-12/12 ED PLUS |
| | 2 / 2 |
| | |
| | 2 1044 mm |
| | |
| | 1108 mm |
| | 2095 mm |
| | 972 mm |
| | 4193 mm |
| | 3043 mm |
| | 1330 mm |
| 1 | 40 mm x 122 mm x 1150 mm |
| | 2A |
| | 1260 mm |
| | 260 mm |
| | 238 mm |
| | 4591 mm |
| | 2620 mm |
| | |
| | 18 km/h-22 km/h |
| | 0.50 m/s-0.50 m/s |
| | 0.50 m/s-0.30 m/s |
| | 2010 daN / 1250 daN |
| | 33 % / 34 % |
| | Hydraulic brakes by loss of pressure |
| | |
| | Kubota / V2403 |
| | 36 kW |
| | 2700 rpm |
| | 4 - 2434 cm³ |
| | |
| | Cable |
| | 180 bar |
| | 45 l/min |
| | < 80 dB |
| | 80 dB |
| | |

MSI-X 25 Created on May 3, 2024 at 10:01:01 AM UTC

MSI-X 25 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 30 | FVD 33 | FVD 37 | FVD 40 | FVD 45 |
|-----------------------------------|----|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward | ٥ | 10 | 10 | 10 | 10 | 10 |
| Mast/fork carriage tilt, backward | ٥ | 12 | 12 | 12 | 12 | 12 |
| h1 - Mast lowered height | mm | 2136 | 2286 | 2546 | 2736 | 2986 |
| h2 - Mast free lift | mm | 85 | 85 | 85 | 85 | 85 |
| h3 - Mast lifting height | mm | 3000 | 3300 | 3700 | 4000 | 4500 |
| h4 - Mast extended height | mm | 3738 | 4038 | 4438 | 4738 | 5238 |
| Residual capacity at max height | kg | 2500 | 2500 | | | |
| Height at max capacity | mm | 3000 | 3300 | 2500 | 2500 | 2500 |

| Free Lift Triplex (FLT) | | FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 | FLT 60 |
|-----------------------------------|----|--------|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward | ۰ | 10 | 10 | 10 | 10 | 10 | 6 | 6 |
| Mast/fork carriage tilt, backward | ۰ | 12 | 12 | 12 | 12 | 12 | 6 | 6 |
| h1 - Mast lowered height | mm | 1936 | 2036 | 2136 | 2286 | 2386 | 2736 | 2986 |
| h2 - Mast free lift | mm | 1183 | 1283 | 1383 | 1483 | 1633 | 1893 | 2083 |
| h3 - Mast lifting height | mm | 3400 | 3700 | 4000 | 4300 | 4700 | 5500 | 6000 |
| h4 - Mast extended height | mm | 4184 | 4484 | 4784 | 5116 | 5484 | 6356 | 6916 |
| Residual capacity at max height | kg | 2500 | 2500 | 2500 | 2500 | 2500 | | |
| Height at max capacity | mm | 3400 | 3700 | 4000 | 4300 | 4700 | 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 | 1826 |
| h2 - Mast free lift | mm | 72 |
| h3 - Mast lifting height | mm | 3300 |
| h4 - Mast extended height | mm | 4027 |
| 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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