Technical sheet :





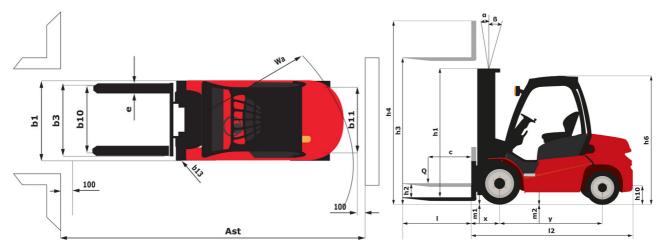


| 11 | Technical characteristics | |
|-------|---|-----------|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | Q |
| 1.6 | Load center of gravity | С |
| 1.8 | Load distance, centre of drive axle to fork | x |
| 1.9 | Wheelbase | 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 | b11 |
| | Dimensions | |
| 4.7 | Height of overhead guard (cabin) | h6 |
| 4.8 | Seat height/stand height | h7 |
| 4.12 | Height of towing bar (coupling height) | h10 |
| 4.19 | Overall length | 11 |
| 4.20 | Length to face of forks | 12 |
| 4.21 | Overall width | b1 |
| 4.21 | Overall width - Single wheels | 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 |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast |
| 4.35 | Turning radius | Wa |
| 4.36 | Internal turning radius (over tyres) | b13 |
| | 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 | |
| 8.2 | 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 | |
| 0.4 | Contra terre at the uniters car according to Divi 12 000 | |

MI 50 G US Created on May 13, 2024 at 5:03:05 AM UTC

Manitou MI 50 G US Lpg Seated 11023 lb 20 in 22 in 85 in 14991 lb 23038 lb / 2976 lb 6614 lb / 8378 lb Pneumatic 300-15-18PR 7.00-12-12PR 2/2 2 47 in 44 in 94 in 54 in 18 in 176 in 128 in 59 in 59 in 2 in x 6 in x 48 in 3A 49 in 7 in 9 in 189 in 194 in 115 in 5 in 14 mph-15 mph 1 ft/s-1 ft/s 2 ft/s-2 ft/s 3800 daN / 2300 daN 22 % / 32 % Hydraulic PSI / 4,3L 74 kW 2300 rpm 6 - 262 in³ 2321 PSI 24 US gpm < 83 dB 83 dB

MI 50 G US - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 30 | FVD 33 | FVD 35 | FVD 37 | FVD 40 | FVD 45 | FVD 50 |
|--|----|--------|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward | ۰ | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Mast/fork carriage tilt, backward | ٥ | 12 | 12 | 12 | 12 | 12 | 6 | 6 |
| h1 - Mast lowered height | in | 88.4 | 94.3 | 98.2 | 102.2 | 110 | 120.9 | 131.7 |
| h2 - Mast free lift | in | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| h3 - Mast lifting height | in | 118.1 | 129.9 | 137.8 | 145.7 | 157.5 | 177.2 | 196.9 |
| h4 - Mast extended height | in | 171.9 | 183.7 | 191.5 | 199.4 | 211.2 | 230.9 | 250.6 |
| Residual capacity at max height | lb | 11023 | 11023 | 11023 | 11023 | 11023 | 10362 | 9039 |
| Residual capacity with integrated side shift at max heigth | lb | 11023 | 11023 | 11023 | 11023 | 11023 | 10141 | 8818 |
| Height at max capacity | in | 118.1 | 129.9 | 137.8 | 145.7 | 157.5 | 157.5 | 157.5 |
| Height at max capacity with integrated sideshift | in | 118.1 | 129.9 | 137.8 | 145.7 | 157.5 | 157.5 | 157.5 |

| Free Lift Duplex (FLD) | | FLD 30 | FLD 33 | FLD 35 | FLD 37 |
|---|----|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward | ۰ | 6 | 6 | 6 | 6 |
| Mast/fork carriage tilt, backward | ۰ | 12 | 12 | 12 | 12 |
| h1 - Mast lowered height | in | 87.6 | 93.5 | 97.5 | 101.4 |
| h2 - Mast free lift | in | 53.7 | 59.6 | 63.5 | 67.5 |
| h3 - Mast lifting height | in | 118.1 | 129.9 | 137.8 | 145.7 |
| h4 - Mast extended height | in | 171.9 | 183.7 | 191.5 | 199.4 |
| Residual capacity at max height | lb | 11023 | 11023 | 11023 | 11023 |
| Residual capacity with integrated side shift at max heigth | lb | 11023 | 11023 | 11023 | 11023 |
| Height at max capacity | in | 118.1 | 129.9 | 137.8 | 145.7 |
| Height at max capacity with integrated sideshift | in | 118.1 | 129.9 | 137.8 | 145.7 |

| Free Lift Triplex (FLT) | | FLT 40 | FLT 43 | FLT 45 | FLT 47 | FLT 50 | FLT 55 | FLT 60 |
|--|----|--------|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward | ۰ | 6 | 6 | 6 | 6 | 6 | 3 | 3 |
| Mast/fork carriage tilt, backward | ۰ | 12 | 6 | 6 | 6 | 6 | 6 | 6 |
| h1 - Mast lowered height | in | 81.9 | 85.8 | 88.5 | 90.9 | 94.9 | 101.4 | 109.8 |
| h2 - Mast free lift | in | 48.1 | 52 | 54.7 | 57.2 | 61.1 | 67.6 | 76.1 |
| h3 - Mast lifting height | in | 157.5 | 169.3 | 177.2 | 185 | 196.9 | 216.5 | 236.2 |
| h4 - Mast extended height | in | 211.2 | 223 | 231.5 | 239 | 250.8 | 270.5 | 290.6 |
| Residual capacity at max height | lb | 10692 | 10362 | 10141 | 9480 | 8598 | 7496 | 5952 |
| Residual capacity with integrated side shift at max heigth | lb | 10472 | 10141 | 9921 | 9259 | 8378 | 7275 | 5732 |
| Height at max capacity | in | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |



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