Technical sheet:

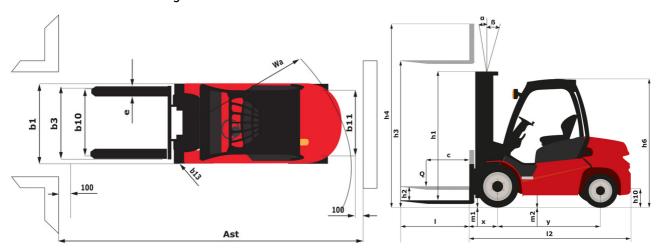
MI 40 G





| | | FIT TO C Created on | September 20, 2024 at 3.30.33 AW |
|------|---|---------------------|----------------------------------|
| | Technical characteristics | | Imperial |
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | MI 40 G |
| 1.3 | Power source | | Lpg |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 8818 lb |
| 1.6 | Load center of gravity | С | 20 in |
| 1.8 | Load distance, centre of drive axle to fork | X | 22 in |
| 1.9 | Wheelbase | у | 79 in |
| | Weight | | |
| 2.1 | Service weight | | 13889 lb |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 19842 lb / 2866 lb |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 6173 lb / 7716 lb |
| | Wheels | | |
| 3.1 | Tires type | | Pneumatic |
| 3.2 | Dimensions of front wheels | | 300-15 18PR |
| 3.3 | Dimensions of rear wheels | | 7.00-12-12PR |
| 3.5 | Number of front wheels / rear wheels | | 2/2 |
| .5.2 | Number of drive wheels | | 2 |
| 3.6 | Front wheel gauge | b10 | 46 in |
| 3.7 | Rear wheel gauge | b11 | 44 in |
| 0.7 | Dimensions | 311 | |
| 4.7 | Height of overhead guard (cabin) | h6 | 94 in |
| 4.8 | Seat height/stand height | h7 | 54 in |
| 4.12 | Height of towing bar (coupling height) | h10 | 18 in |
| 4.19 | Overall length | I1 | 169 in |
| 4.20 | Length to face of forks | 12 | 121 in |
| 1.21 | Overall width | b1 | 55 in |
| 4.21 | | b1 | 55 in |
| 4.22 | Overall width - Single wheels | | 2 in x 5 in x 48 in |
| | Forks section / width / length | s / e / l | |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | 10 | 3A |
| 4.24 | Fork carriage width | b3 | 49 in |
| 4.31 | Ground clearance below mast | m1 | 7 in |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 9 in |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 183 in |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 188 in |
| 1.35 | Turning radius | Wa | 109 in |
| 4.36 | Internal turning radius (over tyres) | b13 | 5 in |
| | Performances | | |
| 5.1 | Travel speed (laden / unladen) | | 14 mph-15 mph |
| 5.2 | Lifting speed (laden / unladen) | | 2 ft/s-2 ft/s |
| 5.3 | Lowering speed (laden / unladen) | | 2 ft/s-2 ft/s |
| 5.5 | Drawbar pull (Laden / Unladen) | | 3800 daN / 2200 daN |
| 5.7 | Gradeability (laden / unladen) | | 24 % / 37 % |
| 5.10 | Service brake | | Hydraulic |
| | Engine | | |
| 7.1 | Engine brand / model | | PSI / 4,3 L |
| 7.2 | I.C. Engine power rating | | 74 kW |
| 7.3 | Rated speed | | 2300 rpm |
| 7.4 | Number of cylinders / Capacity of cylinders | | 6 - 262 in³ |
| | Miscellaneous | | |
| 8.2 | Working hydraulic pressure for attachments | | 2321 PSI |
| 8.3 | Oil flow rate for attachments | | 24 US gpm |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | | < 83 dB |

MI 40 G - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 33 | FVD 35 | FVD 37 | FVD 40 | FVD 45 | FVD 50 |
|--|----|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ۰ | 6 | 6 | 6 | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ۰ | 12 | 12 | 12 | 12 | 12 | 12 |
| h1 - Mast lowered height | in | 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 |
| h3 - Mast lifting height | in | 129.9 | 137.8 | 145.7 | 157.5 | 177.2 | 196.9 |
| h4 - Mast extended height | in | 176 | 183.9 | 191.7 | 203.5 | 223.2 | 242.9 |
| Residual capacity at max height | lb | 8818 | 8818 | 8818 | 8818 | 8157 | 7055 |
| Residual capacity with integrated side shift at max heigth | lb | 8818 | 8818 | 8818 | 8818 | 7937 | 6834 |
| Height at max capacity | in | 129.9 | 137.8 | 145.7 | 157.5 | 157.5 | 157.5 |
| Height at max capacity with integrated | in | 129.9 | 137.8 | 145.7 | 157.5 | 157.5 | 157.5 |

| Free Lift Duplex (FLD) | | FLD 30 | FLD 33 | FLD 35 | FLD 37 |
|--|----|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ۰ | 6 | 6 | 6 | 6 |
| β - 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 | 164.2 | 176 | 183.9 | 191.7 |
| Residual capacity at max height | lb | 8818 | 8818 | 8818 | 8818 |
| Residual capacity with integrated side shift at max heigth | lb | 8818 | 8818 | 8818 | 8818 |
| 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 |
|--|----|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ۰ | 6 | 6 | 6 | 6 | 6 | 3 | 3 |
| β - 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 | 48.4 | 52.3 | 54.9 | 57.4 | 61.4 | 67.9 | 76.3 |
| h3 - Mast lifting height | in | 157.5 | 169.3 | 177.2 | 185 | 196.9 | 216.5 | 236.2 |
| h4 - Mast extended height | in | 203.5 | 215.4 | 223.8 | 231.1 | 242.9 | 262.6 | 282.7 |
| Residual capacity at max height | lb | 8818 | 8598 | 7716 | 7275 | 6834 | 6173 | 5071 |
| Residual capacity with integrated side shift at max heigth | lb | 8598 | 8378 | 7496 | 7055 | 6614 | 5952 | 4850 |
| Height at max capacity | in | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 |





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