Technical sheet:

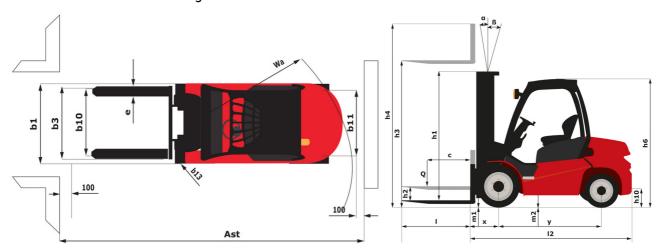
MI 25 G US





| | | MI 25 G US Create | ed on May 2, 2024 at 10:47:17 AM UTC |
|-------|---|-------------------|--------------------------------------|
| | Technical characteristics | | Imperial |
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | MI 25 G |
| 1.3 | Power source | | Lpg |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 5512 lb |
| 1.6 | Load center of gravity | С | 20 in |
| 1.8 | Load distance, centre of drive axle to fork | х | 18 in |
| 1.9 | Wheelbase | у | 63 in |
| | Weight | | |
| 2.1 | Service weight | | 8587 lb |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 12489 lb / 1609 lb |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 3671 lb / 4916 lb |
| | Wheels | | |
| 3.1 | Tires type | | Solid tires |
| 3.2 | Dimensions of front wheels | | 7.00-12 12 |
| 3.3 | Dimensions of rear wheels | | 6.00-9 10 |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.5.2 | Number of drive wheels | | 2 |
| 3.6 | Front wheel gauge | b10 | 38 in |
| 3.7 | Rear wheel gauge | b11 | 38 in |
| | Dimensions | | |
| 4.7 | Height of overhead guard (cabin) | h6 | 83 in |
| 4.8 | Seat height/stand height | h7 | 47 in |
| 4.12 | Height of towing bar (coupling height) | h10 | 14 in |
| 4.19 | Overall length | I1 | 145 in |
| 4.20 | Length to face of forks | 12 | 100 in |
| 4.21 | Overall width | b1 | 45 in |
| 4.21 | Overall width - Single wheels | b1 | 45 in |
| 4.22 | Forks section / width / length | s / e / l | 2 in x 5 in x 45 in |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | 2A |
| 4.24 | Fork carriage width | b3 | 41 in |
| 4.31 | Ground clearance below mast | m1 | 5 in |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 7 in |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 155 in |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 163 in |
| 4.35 | Turning radius | Wa | 89 in |
| 4.36 | Internal turning radius (over tyres) | b13 | 6 in |
| | Performances | | |
| 5.1 | Travel speed (laden / unladen) | | 12 mph-12 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) | | 1700 daN / 1040 daN |
| 5.7 | Gradeability (laden / unladen) | | 20 % / 20 % |
| 5.10 | Service brake | | Hydraulic |
| | Engine | | , |
| 7.1 | Engine brand / model | | GCT (ex-Nissan) / K25 |
| 7.2 | Engine power according to ISO 1585 | | 46 kW |
| 7.3 | Rated speed | | 2400 rpm |
| 7.4 | Number of cylinders / Capacity of cylinders | | 4 - 152 in ³ |
| | Miscellaneous | | |
| 8.2 | Working hydraulic pressure for attachments | | 2321 PSI |
| 8.3 | Oil flow rate for attachments | | 19 US gpm |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | | < 80 dB |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 80 dB |
| 0.4 | Countries at the different and decorating to birt 12 000 | | 00 45 |

MI 25 G US - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 33 | FVD 37 | FVD 40 |
|--|----|--------|--------|--------|
| Mast/fork carriage tilt, forward | ۰ | 6 | 6 | 6 |
| Mast/fork carriage tilt, backward | ۰ | 12 | 12 | 12 |
| h1 - Mast lowered height | in | 86 | 95.9 | 103.7 |
| h2 - Mast free lift | in | 5.5 | 5.5 | 5.5 |
| h3 - Mast lifting height | in | 129.9 | 145.7 | 157.5 |
| h4 - Mast extended height | in | 155.9 | 171.7 | 183.5 |
| Residual capacity at max height | lb | 5512 | 5512 | 5512 |
| Residual capacity with integrated side shift at max heigth | lb | 5512 | 5512 | 5512 |
| Residual capacity with hooked-on side shift at max heigth | lb | 5512 | | |
| Height at max capacity | in | 129.9 | 145.7 | 157.5 |
| Height at max capacity with integrated sideshift | in | 129.9 | 145.7 | 157.5 |

| Free Lift Duplex (FLD) | | FLD 33 | FLD 37 | FLD 40 |
|--|----|--------|--------|--------|
| Mast/fork carriage tilt, forward | ۰ | 6 | 6 | 6 |
| Mast/fork carriage tilt, backward | ٠ | 12 | 12 | 12 |
| h1 - Mast lowered height | in | 85 | 92.9 | 100.8 |
| h2 - Mast free lift | in | 58.3 | 66.1 | 74 |
| h3 - Mast lifting height | in | 129.9 | 145.7 | 157.5 |
| h4 - Mast extended height | in | 156.7 | 170.5 | 184.3 |
| Residual capacity at max height | lb | 5512 | 5512 | 5512 |
| Residual capacity with integrated side shift at max heigth | lb | 5512 | 5512 | 5512 |
| Height at max capacity | in | 129.9 | 145.7 | 157.5 |
| Height at max capacity with integrated sideshift | in | 129.9 | 145.7 | 157.5 |

| Free Lift Triplex (FLT) | | FLT 43 | FLT 45 | FLT 47 | FLT 48 | FLT 50 | FLT 55 | FLT 60 | FLT 65 |
|---|----|--------|--------|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward ° | | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 3 |
| Mast/fork carriage tilt, backward | ۰ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| h1 - Mast lowered height | in | 82.7 | 84.6 | 86.6 | 88.6 | 90.6 | 98.4 | 108.3 | 114.2 |
| h2 - Mast free lift | in | 55.1 | 57.9 | 59.8 | 61.8 | 63.8 | 71.7 | 81.5 | 86.6 |
| h3 - Mast lifting height | in | 169.3 | 177.2 | 185 | 189 | 196.9 | 216.5 | 236.2 | 255.9 |
| h4 - Mast extended height | in | 196.9 | 205.9 | 211.8 | 215.7 | 223.6 | 243.3 | 265 | 283.5 |
| Residual capacity at max height | lb | 5291 | 5181 | 4850 | 4850 | 4299 | 3638 | 2315 | 2205 |
| Residual capacity with integrated side shift at max heigth | lb | 5181 | 5071 | 4740 | 4740 | 4189 | 3527 | 2205 | 2094 |
| Height at max capacity | in | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 | 98.4 |
| Height at max capacity with integrated sideshift | in | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 | 157.5 | |





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