

Technical sheet :

# **MI 50 G FOB**

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 **MANITOU**  
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| Technical characteristics |                                                                 | Metric    |                          |
|---------------------------|-----------------------------------------------------------------|-----------|--------------------------|
| 1.1                       | Manufacturer                                                    |           | Manitou                  |
| 1.2                       | Model Name                                                      |           | MI 50 G FOB              |
| 1.3                       | Power source                                                    |           | LPG                      |
| 1.4                       | Operator type                                                   |           | Seated                   |
| 1.5                       | Max. capacity                                                   | Q         | 5000 kg                  |
| 1.6                       | Load center of gravity                                          | c         | 500 mm                   |
| 1.8                       | Load distance, centre of drive axle to fork                     | x         | 560 mm                   |
| 1.9                       | Wheelbase                                                       | y         | 2150 mm                  |
| Weight                    |                                                                 |           |                          |
| 2.1                       | Service weight                                                  |           | 6800 kg                  |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)                |           | 10450 kg / 1350 kg       |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 3000 kg / 3800 kg        |
| 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                    |
| 3.5.2                     | Number of drive wheels                                          |           | 2                        |
| 3.6                       | Front wheel gauge                                               | b10       | 1190 mm                  |
| 3.7                       | Rear wheel gauge                                                | b11       | 1130 mm                  |
| Dimensions                |                                                                 |           |                          |
| 4.8                       | Seat height/stand height                                        | h7        | 1370 mm                  |
| 4.7                       | Height of overhead guard (cabin)                                | h6        | 2390 mm                  |
| 4.12                      | Height of towing bar (coupling height)                          | h10       | 445 mm                   |
| 4.19                      | Overall length                                                  | l1        | 4475 mm                  |
| 4.20                      | Length to face of forks                                         | l2        | 3255 mm                  |
| 4.21                      | Overall width                                                   | b1        | 1490 mm                  |
| 4.21                      | Overall width - Single wheels                                   | b1        | 1490 mm                  |
| 4.22                      | Forks section / width / length                                  | s / e / l | 50 mm x 150 mm x 1220 mm |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B                         |           | 3A                       |
| 4.24                      | Fork carriage width                                             | b3        | 1250 mm                  |
| 4.31                      | Ground clearance below mast                                     | m1        | 170 mm                   |
| 4.32                      | Ground clearance at centre of wheelbase                         | m2        | 230 mm                   |
| 4.33                      | Aisle Width for pallets 1000 x 1200 crossways                   | Ast       | 4791 mm                  |
| 4.34                      | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 4925 mm                  |
| 4.35                      | Turning radius                                                  | Wa        | 2920 mm                  |
| 4.36                      | Internal turning radius (over tyres)                            | b13       | 130 mm                   |
| Performances              |                                                                 |           |                          |
| 5.1                       | Travel speed (laden / unladen)                                  |           | 22 km/h-24 km/h          |
| 5.2                       | Lifting speed (laden / unladen)                                 |           | 0.40 m/s-0.43 m/s        |
| 5.3                       | Lowering speed (laden / unladen)                                |           | 0.50 m/s-0.50 m/s        |
| 5.5                       | Drawbar pull (Laden / Unladen)                                  |           | 3800 daN / 2300 daN      |
| 5.7                       | Gradeability (laden / unladen)                                  |           | 22 % / 32 %              |
| 5.10                      | Service brake                                                   |           | Hydraulic                |
|                           | Transmission type                                               |           | Torque converter         |
| Engine                    |                                                                 |           |                          |
| 7.1                       | Engine brand / model                                            |           | PSI / 4,3L               |
| 7.2                       | Engine power (Hp / kW)                                          |           | 101 Hp/74 kW             |
| 7.3                       | Rated speed                                                     |           | 2300 rpm                 |
| 7.4                       | Number of cylinders / Capacity of cylinders                     |           | 6 - 4300 cm³             |
| Miscellaneous             |                                                                 |           |                          |
| 8.2                       | Working hydraulic pressure for attachments                      |           | 160 bar                  |
| 8.3                       | Oil flow rate for attachments                                   |           | 90 l/min                 |
| 8.4                       | Measured/guaranteed mean noise level at the ear of the operator |           | < 83 dB                  |
| 8.4                       | Sound level at the driver's ear according to DIN 12 053         |           | 83 dB                    |

### MI 50 G FOB - Dimensional drawing







**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](http://www.manitou.com)



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