

Technical sheet :

# 1050R

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities   |     | Metric             |
|--|-----|--------------------|
| Rated Operating Capacity                             |     | 476 kg             |
| Rated Operating Capacity with Optional Counterweight |     | 533 kg             |
| Unladen weight                                       |     | 1905 kg            |
| Weight and dimensions                                |     |                    |
| Wheelbase  | y   | 876 mm             |
| Overall Operating Height - Fully Raised              | h27 | 3546 mm            |
| Height to Hinge Pin - Fully Raised                   | h28 | 2746 mm            |
| Overall Height to top of ROPS                        | h17 | 1786 mm            |
| Dump angle at full height                            | a5  | 42 °               |
| Dump height  | h29 | 2146 mm            |
| Overall length with bucket                           | l16 | 2896 mm            |
| Dump reach - Full height                             | r6  | 579 mm             |
| Rollback at ground                                   | a13 | 29 °               |
| Seat to ground height                                | h30 | 828 mm             |
| Overall width less bucket                            | b1  | 1229 mm            |
| Bucket Width   | e1  | 1404 mm            |
| Ground clearance                                     | m4  | 152 mm             |
| Overall length - Less Bucket                         | l2  | 2258 mm            |
| Departure angle                                      | a2  | 26 °               |
| Clearance Radius - Front with Bucket                 | b18 | 1763 mm            |
| Performances   |     |                    |
| Travel speed (unladen)                               |     | 9.50 km/h          |
| Wheels   |     |                    |
| Standard tires                                       |     | 27 x 8.5 x 15 HD   |
| Engine   |     |                    |
| Engine brand   |     | Yanmar             |
| Engine model   |     | 3TNV88C-KMS        |
| Engine norm  |     | Stage IIIB, Tier 4 |
| Gross Power  |     | 25.50 kW           |
| Net Power  |     | 24.70 kW           |
| Max. torque / Engine rotation                        |     | 108 Nm / 2800 rpm  |
| Power source   |     | Diesel             |
| I.C. Engine power rating                             |     | 34.20 Hp           |
| Battery voltage                                      |     | 12 V               |
| Alternator   |     | 40 kW              |
| Starter  |     | 2.30 kW            |
| Hydraulics   |     |                    |
| Standard flow - Auxiliary hydraulics                 |     | 55.10 l/min        |
| Auxiliary Hydraulic Pressure                         |     | 189.60 bar         |
| Tank capacities                                      |     |                    |
| Fuel tank  |     | 39.40 l            |
| Hydraulic tank capacity                              |     | 30.30 l            |
| Displacement   |     | 1.60 l             |
| Noise and vibration                                  |     |                    |
| Noise to environment (LwA)                           |     | 101 dB             |
| Noise at driving position (LpA)                      |     | 80 dB              |
| Whole-Body Vibration (ISO 2631-1)                    |     | 0.81 m/s²          |
| Vibration on hands/arms                              |     | < 0.93 m/s²        |

1050R - Dimensional drawing



Equipment

|  |          |
|--|----------|
| —  |          |
| Integral Access Plate (removable)                | Standard |
| Lifting function                                 |          |
| All-Tach® Attachment Mounting System             | Standard |
| Auxiliary Hydraulics                             | Standard |
| Lighting   |          |
| Work Lights - Front and Rear                     | Standard |
| Motorization/Power                               |          |
| Engine Block Heater                              | Standard |
| Operator station                                 |          |
| Cab Enclosure                                    | Optional |
| Foot and Hand Throttles 2                        | Standard |
| Gehl T-Bar Controls                              | Standard |
| Hand/Foot Controls                               | Standard |
| Heating  | Optional |
| High-Back Adjustable Seat                        | Standard |
| Horn   | Optional |
| ROPS/FOPS Level II Overhead Guard                | Standard |
| Sound Reduction Material                         | Standard |
| Suspension Seat - Mechanical                     | Optional |
| Other options                                    |          |
| Hydrostatic Drive - Servo                        | Standard |
| Selectable Self-Leveling Hydraulic Lift Action 4 | Optional |
| Secondary functions                              |          |
| Counterweight                                    | Optional |
| Full Instrumentation                             | Standard |
| Security   |          |
| Anti-Vandalism Protection                        | Standard |
| Back-Up Alarm                                    | Optional |
| Brake Control (Auto / Manual)                    | Standard |
| Hydraloc™ Safety System                          | Standard |
| Lift Arm Support Device                          | Standard |
| Operator Restraint Bar                           | Standard |



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