

Technical sheet :

# 850R

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                              |     | Metric                  |
|---|-----|-------------------------|
| Rated Operating Capacity                |     | 386 kg                  |
| Unladen weight                          |     | 1352 kg                 |
| Weight and dimensions                   |     |                         |
| Wheelbase                               | y   | 775 mm                  |
| Overall Operating Height - Fully Raised | h27 | 3167 mm                 |
| Height to Hinge Pin - Fully Raised      | h28 | 2438 mm                 |
| Overall Height to top of ROPS           | h17 | 1897 mm                 |
| Dump angle at full height               | a5  | 46 °                    |
| Dump height                             | h29 | 1836 mm                 |
| Overall length with bucket              | l16 | 2576 mm                 |
| Dump reach - Full height                | r6  | 376 mm                  |
| Rollback at ground                      | a13 | 23 °                    |
| Seat to ground height                   | h30 | 879 mm                  |
| Overall width less bucket               | b1  | 909 mm                  |
| Bucket Width                            | e1  | 914 mm                  |
| Ground clearance                        | m4  | 150 mm                  |
| Overall length - Less Bucket            | l2  | 1905 mm                 |
| Departure angle                         | a2  | 30 °                    |
| Clearance Radius - Front with Bucket    | b18 | 1473 mm                 |
| Performances                            |     |                         |
| Travel speed (unladen)                  |     | 8.90 km/h               |
| Wheels                                  |     |                         |
| Standard tires                          |     | 5.70 x 12               |
| Engine                                  |     |                         |
| Engine brand                            |     | Yanmar                  |
| Engine model                            |     | 3TNV82A-BPMSR           |
| Engine norm                             |     | Stage V                 |
| Max. torque / Engine rotation           |     | 86 Nm / 2400 rpm        |
| Power source                            |     | Diesel                  |
| Engine power (Hp / kW)                  |     | 23.90 Hp / 17.80 kW     |
| Battery voltage                         |     | 12 V                    |
| Alternator                              |     | 40 kW                   |
| Starter                                 |     | 1.70 kW                 |
| Hydraulics                              |     |                         |
| Standard flow - Auxiliary hydraulics    |     | 38.20 l/min             |
| Auxiliary Hydraulic Pressure            |     | 145 bar                 |
| Tank capacities                         |     |                         |
| Fuel                                    |     | 29 l                    |
| Hydraulic tank capacity                 |     | 27.30 l                 |
| Displacement                            |     | 1.30 l                  |
| Noise and vibration                     |     |                         |
| Noise to environment (LwA)              |     | 101 dB                  |
| Noise at driving position (LpA)         |     | 85 dB                   |
| Whole-Body Vibration (ISO 2631-1)       |     | 1.05 m/s <sup>2</sup>   |
| Vibration on hands/arms                 |     | < 1.53 m/s <sup>2</sup> |

### 850R - Dimensional drawing



# Equipment

|  |          |
|--|----------|
| —  |          |
| Integral Access Plate (removable)                | Standard |
| <b>Lifting function</b>                          |          |
| All-Tach® Attachment Mounting System             | Standard |
| Auxiliary Hydraulics                             | Standard |
| <b>Lighting</b>                                  |          |
| Work Lights - Front and Rear                     | Standard |
| <b>Motorization/Power</b>                        |          |
| Engine Block Heater                              | Optional |
| <b>Operator station</b>                          |          |
| Cab Enclosure                                    | Optional |
| Foot and Hand Throttles 2                        | Standard |
| Full-Suspension Seat                             | Optional |
| Gehl T-Bar Controls                              | Standard |
| Heating  | Optional |
| Hom  | Optional |
| ROPS/FOPS Level II Overhead Guard                | Standard |
| <b>Other options</b>                             |          |
| Hydrostatic Drive - Servo                        | Standard |
| Selectable Self-Leveling Hydraulic Lift Action 4 | Optional |
| <b>Security</b>                                  |          |
| 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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