

Technical sheet :

# 850R

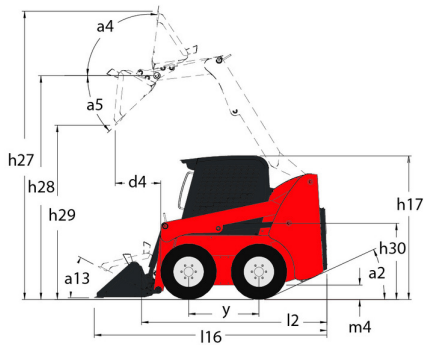
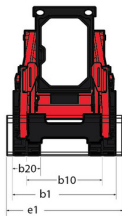
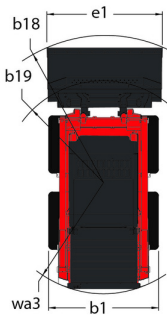
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 **MANITOU**  
HANDLING YOUR WORLD

| 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          |
| Gross Power                             |     | 18.10 kW         |
| Net Power                               |     | 17.80 kW         |
| Max. torque / Engine rotation           |     | 86 Nm / 2400 rpm |
| Power source                            |     | Diesel           |
| 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 tank                               |     | 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/s²        |
| Vibration on hands/arms                 |     | < 1.53 m/s²      |

850R - 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                              | Optional |
| Operator station                                 |          |
| 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 |
| Other options                                    |          |
| Hydrostatic Drive - Servo                        | Standard |
| Selectable Self-Leveling Hydraulic Lift Action 4 | Optional |
| 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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