

Technical sheet :

1650R



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|--|-----|-------------------------|
| Rated Operating Capacity | | 748 kg |
| Rated Operating Capacity with Optional Counterweight | | 816.50 kg |
| Unladen weight | | 2796 kg |
| Weight and dimensions | | |
| Wheelbase | y | 988 mm |
| Overall Operating Height - Fully Raised | h27 | 3876 mm |
| Height to Hinge Pin - Fully Raised | h28 | 3023 mm |
| Overall Height to top of ROPS | h17 | 1948 mm |
| Dump angle at full height | a5 | 38 ° |
| Dump height | h29 | 2380 mm |
| Overall length with bucket | l16 | 3101 mm |
| Dump reach - Full height | r6 | 579 mm |
| Rollback at ground | a13 | 28 ° |
| Seat to ground height | h30 | 904 mm |
| Overall width less bucket | b1 | 1580 mm |
| Bucket Width | e1 | 1562 mm |
| Ground clearance | m4 | 160 mm |
| Overall length - Less Bucket | l2 | 2385 mm |
| Departure angle | a2 | 21 ° |
| Clearance Radius - Front with Bucket | b18 | 1869 mm |
| Performances | | |
| Travel speed (unladen) | | 12.60 km/h |
| Travel Speed with Two-Speed Option - Maximum | | 19.50 km/h |
| Wheels | | |
| Standard tires | | 10.00 x 16.5 HD |
| Engine | | |
| Engine brand | | Yanmar |
| Engine model | | 4TNV88C-KMS |
| Max. torque / Engine rotation | | 241 Nm / 2500 rpm |
| Power source | | Diesel |
| Engine power (Hp / kW) | | 69.73 Hp / 51 kW |
| Battery voltage | | 12 V |
| Alternator | | 100 kW |
| Starter | | 3 kW |
| Hydraulics | | |
| Standard flow - Auxiliary hydraulics | | 71.40 l/min |
| Auxiliary Hydraulic Pressure | | 207 bar |
| High-Flow Auxiliary Hydraulics - Option | | 114 l/min |
| High-Flow Auxiliary Hydraulics Pressure - Option | | 179 bar |
| Tank capacities | | |
| Fuel tank capacity | | 62.50 l |
| Hydraulic tank capacity | | 41.60 l |
| Displacement | | 3.30 l |
| Noise and vibration | | |
| Noise to environment (LwA) | | 101 dB |
| Noise at driving position (LpA) | | 85 dB |
| Whole-Body Vibration (ISO 2631-1) | | 0.90 m/s ² |
| Vibration on hands/arms | | < 1.77 m/s ² |

1650R - Dimensional drawing



Equipment

| | |
|--|----------|
| — | |
| Integral Access Plate (removable) | Standard |
| Lifting function | |
| All-Tach® Attachment Mounting System | Standard |
| Auxiliary Hydraulics | Standard |
| High-Flow Auxiliary Hydraulics | Optional |
| Power-A-Tach® Attachment Mounting System | Optional |
| Lighting | |
| Work Lights - Front and Rear | Standard |
| Motorization/Power | |
| Engine Auto-Shutdown System | Standard |
| Engine Block Heater | Optional |
| Swing-Out Cooler | Standard |
| Two-Speed Drive | Optional |
| Operator station | |
| Air conditioning with manual adjustment | Optional |
| Air suspension seat | Optional |
| Cab Enclosure | Optional |
| Foot and Hand Throttles 2 | Standard |
| Gehl T-Bar Controls | Optional |
| Hand/Foot Controls | Optional |
| Heating | Optional |
| High-Back Adjustable Seat | Standard |
| Hom | Standard |
| Joystick controls | 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 |
| Hydraglide™ Ride Control 3 | 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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