

Technical sheet :

# 1650RT

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                                |     | Metric              |
|---|-----|---------------------|
| Operating Weight                          |     | 3638 kg             |
| Unladen weight                            |     | 3638 kg             |
| Operating Capacity at 35% Tipping Load    |     | 748 kg              |
| Operating Capacity At 50% Tipping Load    |     | 1069 kg             |
| Tipping capacity                          |     | 2139 kg             |
| Weight and dimensions                     |     |                     |
| Overall Operating Height - Fully Raised   | h27 | 4008 mm             |
| Height to Hinge Pin - Fully Raised        | h28 | 3038 mm             |
| Dump reach - Full height                  | r6  | 641 mm              |
| Dump angle at full height                 | a5  | 39 °                |
| Dump Height - Fully Raised                | h29 | 2329 mm             |
| Maximum Rollback Angle - Fully Raised     | a4  | 98 °                |
| Overall Height to top of ROPS             | h17 | 1969 mm             |
| Overall length with bucket                | l16 | 3205 mm             |
| Overall Length without Bucket             | l1  | 2393 mm             |
| Specified Height                          | h31 | 1638 mm             |
| Reach at Specified Height                 | r4  | 559 mm              |
| Dump angle at specified height            | a17 | 73 °                |
| Carry Position                            | d5  | 198 mm              |
| Maximum Rollback Angle at Carry Position  | a14 | 28 °                |
| Digging Position                          | h32 | 53 mm               |
| Angle of Departure with STD Counterweight |     | 28 °                |
| Ground clearance                          | m4  | 185 mm              |
| Track gauge                               | b10 | 1356 mm             |
| Track Shoe Width                          | b20 | 320 mm              |
| Crawler base                              | y2  | 1265 mm             |
| Overall width less bucket                 | b1  | 1676 mm             |
| Bucket Width                              | e1  | 1676 mm             |
| Clearance Radius - Front with Bucket      | b18 | 1979 mm             |
| Angle of Approach                         | a3  | 90 °                |
| Grouser Height                            |     | 25 mm               |
| Track Type / Track Rollers / Roller Type  |     | Rubber / 3 / Steel  |
| Performances                              |     |                     |
| Ground Speed - Single Speed               |     | 10.50 km/h          |
| Ground Speed - Two Speed                  |     | 16.10 km/h          |
| Drawbar Pull/Ttractive Effort             |     | 4345 kg             |
| Bucket Breakout - Tilt Cylinder           |     | 1919 kg             |
| Bucket Breakout - Lift Cylinder           |     | 2295 kg             |
| Engine                                    |     |                     |
| Engine brand                              |     | Yanmar              |
| Engine model                              |     | 4TNV98C-NMS2        |
| Motor Type                                |     | Radial Piston       |
| Gross Power / Power                       |     | 51.70 kW @ 2500 rpm |
| Net Power / Power                         |     | 51 kW / 2500 rpm    |
| Max. torque                               |     | 241 Nm              |
| I.C. Engine power rating                  |     | 69.30 Hp            |
| Battery voltage                           |     | 12 V                |
| Cold Cranking Amps at Temperature (CCA)   |     | 950 A               |
| Alternator - Voltage / Ampere             |     | 12 V / 100 A        |
| Hydraulics                                |     |                     |
| Standard flow - Auxiliary hydraulics      |     | 71 l/min            |
| Tank capacities                           |     |                     |
| Oil Pan Capacity                          |     | 9 l                 |
| Hydraulic tank capacity                   |     | 39 l                |
| Fuel tank                                 |     | 62.50 l             |
| Liquid cooling tank volume                |     | 12.90 l             |
| Displacement / Number of cylinders        |     | 3.30 l / 4          |
| Miscellaneous                             |     |                     |
| Ground Pressure                           |     | 0.45 bar            |





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