

Technical sheet :

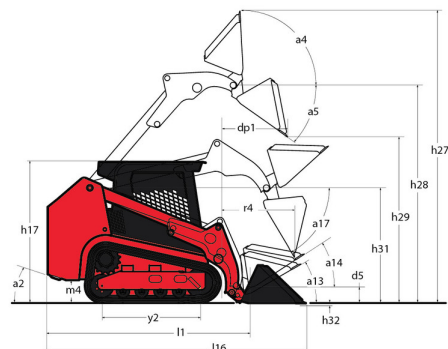
1650RT



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Imperial |
|---|-----|--------------------|
| Operating Weight | | 8020 lb |
| Unladen weight | | 8020 lb |
| Operating Capacity at 35% Tipping Load | | 1649 lb |
| Operating Capacity At 50% Tipping Load | | 2357 lb |
| Tipping capacity | | 4716 lb |
| Weight and dimensions | | |
| Overall Operating Height - Fully Raised | h27 | 158 in |
| Height to Hinge Pin - Fully Raised | h28 | 120 in |
| Dump reach - Full height | r6 | 25 in |
| Dump angle at full height | a5 | 39 ° |
| Dump Height - Fully Raised | h29 | 92 in |
| Maximum Rollback Angle - Fully Raised | a4 | 98 ° |
| Overall Height to top of ROPS | h17 | 78 in |
| Overall length with bucket | l16 | 126 in |
| Overall Length without Bucket | l1 | 94 in |
| Specified Height | h31 | 64 in |
| Reach at Specified Height | r4 | 22 in |
| Dump angle at specified height | a17 | 73 ° |
| Carry Position | d5 | 8 in |
| Maximum Rollback Angle at Carry Position | a14 | 28 ° |
| Digging Position | h32 | 2 in |
| Angle of Departure with STD Counterweight | | 28 ° |
| Ground clearance | m4 | 7 in |
| Track gauge | b10 | 53 in |
| Track Shoe Width | b20 | 13 in |
| Crawler base | y2 | 50 in |
| Overall width less bucket | b1 | 69 in |
| Bucket Width | e1 | 66 in |
| Clearance Radius - Front with Bucket | b18 | 78 in |
| Angle of Approach | a3 | 90 ° |
| Grouser Height | | 0.98 in |
| Track Type / Track Rollers / Roller Type | | Rubber / 3 / Steel |
| Performances | | |
| Ground Speed - Single Speed | | 7 mph |
| Ground Speed - Two Speed | | 10 mph |
| Drawbar Pull/Tractive Effort | | 9579 lb |
| Bucket Breakout - Tilt Cylinder | | 4231 lb |
| Bucket Breakout - Lift Cylinder | | 5060 lb |
| Engine | | |
| Engine brand | | Yanmar |
| Engine model | | 4TNV98C-NMS2 |
| Motor Type | | Radial Piston |
| Engine power (Hp) | | 69.30 Hp |
| Engine power (kW) | | 51 kW |
| Max. torque | | 178 ft/lbs |
| Battery voltage | | 12 V |
| Cold Cranking Amps at Temperature (CCA) | | 950 A |
| Alternator - Voltage / Ampere | | 12 V / 100 A |
| Hydraulics | | |
| Standard flow - Auxiliary hydraulics | | 19 US gpm |
| Tank capacities | | |
| Oil Pan Capacity | | 2 US gal |
| Hydraulic tank capacity | | 10 US gal |
| Fuel | | 17 US gal |
| Cooling liquid | | 3 US gal |
| Displacement / Number of cylinders | | 0.87 US gal / 4 |
| Miscellaneous | | |
| Ground Pressure | | 7 PSI |

1650RT - Dimensional drawing



Equipment

| | |
|--|----------|
| Lifting function | |
| All-Tach® Attachment Mounting System | Standard |
| Auxiliary Hydraulics | Standard |
| Electronic Attachment Control - 14-Pin Connector | Optional |
| High-Flow Auxiliary Hydraulics | Optional |
| IdealTrax® automatic track tensioning system | Standard |
| Power-A-Tach® Attachment Mounting System | Optional |
| Motorization/Power | |
| Combination Radiator & Hydraulic Oil Cooler | Standard |
| Dual-Element Air Cleaner with Indicator | Standard |
| Engine Auto-Shutdown System | Standard |
| Glowplugs Starts Assist | Standard |
| Servo-Controlled Hydrostatic Drive | Standard |
| Two-Speed Hydrostatic Drive System | Standard |
| Operator station | |
| Air suspension seat | Optional |
| Foot Throttle | Standard |
| Full-Suspension Seat | Standard |
| Multi-Function Display Screen | Standard |
| Pressurized Cab Enclosure with A/C | Optional |
| Rearview Camera | Optional |
| ROPS/FOPS Level II Overhead Guard | Standard |
| Sliding Side Windows | Standard |
| Swing-out Cab Door | Standard |
| Other options | |
| Selectable Self-Leveling Hydraulic Lift Action 4 | Optional |
| Pneumatics | |
| Rubber Track Undercarriage System | Standard |
| Single Flange Front/Dual Flange Rear Idlers | Standard |
| Secondary functions | |
| Counterweight | Standard |
| Dedicated Undercarriage | Standard |
| Security | |
| Anti-Vandalism Lock Provisions | Standard |
| Back-Up Alarm | Optional |
| Easy Manager | Standard |
| Engine Alert System with Error Display | Standard |
| Mechanical Lift Cylinder Lock | Standard |

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