Technical sheet:

## **1650RT**



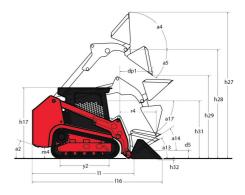


|   | <b>1650RT</b> Created on April 18, 2025 | at 7:24 AM UTC |
|---|---|----------------|
| Capacities                                | Metric                                  |                |
| Operating Weight                          | 3638 kg                                 |                |
| 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                | 116 3205 mm                             |                |
| Overall Length without Bucket             | I1 2393 mm                              |                |
| Specified Height                          | h31 1638 mm                             |                |
|   |   |                |
| Reach at Specified Height                 |   |                |
| Dump angle at specified height            | a17 73 ° d5 198 mm                      |                |
| Carry Position                            |   |                |
| Maximum Rollback Angle at Carry Position  |   |                |
| 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 / Ste                        | el             |
| Performances                              |   |                |
| Ground Speed - Single Speed               | 10.50 km/h                              |                |
| Ground Speed - Two Speed                  | 16.10 km/h                              |                |
| Drawbar Pull/Tractive Effort              | 4345 kg                                 |                |
| Bucket Breakout - Tilt Cylinder           | 1919 kg                                 |                |
| Bucket Breakout - Lift Cylinder           | 2295 kg                                 |                |
| Engine                                    |   |                |
| Engine brand                              | Yanmar                                  |                |
| Engine model                              | 4TNV98C-NMS                             |                |
| Motor Type                                | Radial Piston                           |                |
| Gross Power / Power                       | 51.70 kW @ 2500                         | rpm            |
| Net Power / Power                         | 51 kW / 2500 դ                          | om             |
| 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                          | 91                                      |                |
| Hydraulic tank capacity                   | 39 I                                    |                |
| Fuel tank                                 | 62.50 I                                 |                |
| Liquid cooling tank volume                | 12.90 l                                 |                |
| Displacement / Number of cylinders        | 3.301/4                                 |                |
| Miscellaneous                             |   |                |
| Ground Pressure                           | 0.45 bar                                |                |

## 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 Control of the Control |          |
| 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 |





## **Head Office**

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