Technical sheet :

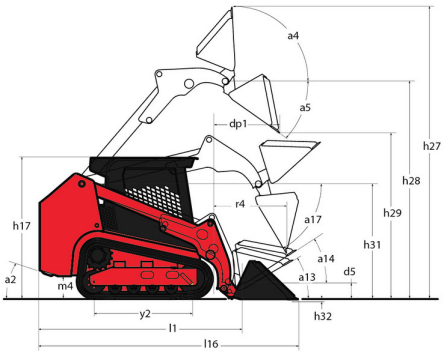
# 1650 RT

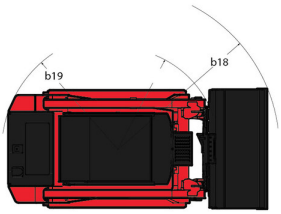



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| Capacities | | Metric |
|---|---|---|
| Operating Weight | | 3638 kg |
| Operating Capacity at 35% Tipping Load | | 748 kg |
| Operating Capacity At 50% Tipping Load | | 1069 kg |
| Tipping capacity | | 2139 kg |
| **Weight and dimensions** | | |
| Overall Operating Height - Fully Raised | h27 | 4008 mm |
| Height to Hinge Pin – Fully Raised | h28 | 3038 mm |
| Reach - Fully Raised | dp1 | 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 ° |
| Maximum Rollback Angle at Ground | a13 | 28 ° |
| 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 m |
| 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 |
| Clearance Circle - Rear | wa1 | 1440 mm |
| Maximum rollback at specified height | | 62 ° |
| 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/Tractive 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 (kW) / Power | | 51.70 kW / 2500 rpm |
| Net Power (kW) / Power | | 51 kW / 2500 rpm |
| Max. torque | | 241 Nm |
| Battery | | 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 |
| Coolant system capacity | | 12.90 l |
| Displacement / Number of cylinders | | 3.30 l / 4 |
| **Miscellaneous** | | |
| Ground Pressure | | 0.45 Bar |

# 1650 RT - 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 |
| **Safety** | |
| Anti-Vandalism Lock Provisions | Standard |
| Back-Up Alarm | Optional |
| Easy Manager | Standard |
| Engine Alert System with Error Display | Standard |
| Mechanical Lift Cylinder Lock | Standard |
| **Secondary functions** | |
| Counterweight | Standard |
| Dedicated Undercarriage | Standard |

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