

Technical sheet :

1850RT



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|---|-----|--|
| Max. capacity | Q | 2398 kg |
| Operating Weight | | 4128 kg |
| Unladen weight | | 4128 kg |
| Operating Capacity at 35% Tipping Load | | 839 kg |
| Operating Capacity At 50% Tipping Load | | 1199 kg |
| Tipping capacity | | 2398 kg |
| Weight and dimensions | | |
| Overall Operating Height - Fully Raised | h27 | 4267 mm |
| Height to Hinge Pin - Fully Raised | h28 | 3251 mm |
| Dump reach - Full height | r6 | 876 mm |
| Dump angle at full height | a5 | 40.20 ° |
| Dump Height - Fully Raised | h29 | 2489 mm |
| Maximum Rollback Angle - Fully Raised | a4 | 102.50 ° |
| Overall Height to top of ROPS | h17 | 2103 mm |
| Overall length with bucket | l16 | 3754 mm |
| Overall Length without Bucket | l1 | 2921 mm |
| Specified Height | h31 | 1715 mm |
| Reach at Specified Height | r4 | 790 mm |
| Dump angle at specified height | a17 | 66.80 ° |
| Carry Position | d5 | 208 mm |
| Maximum Rollback Angle at Carry Position | a14 | 31.60 ° |
| Digging Position | h32 | 23 mm |
| Angle of Departure with STD Counterweight | | 30.40 ° |
| Ground clearance | m4 | 318 mm |
| Track gauge | b10 | 1313 mm |
| Track Shoe Width | b20 | 320 mm |
| Crawler base | y2 | 1392 mm |
| Overall width less bucket | b1 | 1636 mm |
| Bucket Width | e1 | 1674 mm |
| Clearance Radius - Front with Bucket | b18 | 2322 mm |
| Angle of Approach | a3 | 90 ° |
| Grouser Height | | 25 mm |
| Track Type / Track Rollers / Roller Type | | Rubber / 4 / Steel |
| Performances | | |
| Ground Speed - Single Speed | | 9.50 km/h |
| Ground Speed - Two Speed | | 14.20 km/h |
| Drawbar Pull/Tractive Effort | | 4635 kg |
| Bucket Breakout - Tilt Cylinder | | 2429 kg |
| Bucket Breakout - Lift Cylinder | | 2275 kg |
| Engine | | |
| Engine brand | | Yanmar |
| Engine model | | 4TNV98C-NMSL |
| Motor Type | | Axial Piston with Planetary Gear Box Reduction |
| 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) | | 850 A |
| Alternator - Voltage / Ampere | | 14 V / 100 A |
| Tank capacities | | |
| Oil Pan Capacity | | 10.40 l |
| Hydraulic tank capacity | | 41.60 l |
| Fuel tank | | 91 l |
| Liquid cooling tank volume | | 13.30 l |
| Displacement / Number of cylinders | | 3.30 l / 4 |
| Miscellaneous | | |
| Ground Pressure | | 0.43 bar |

1850RT - 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 |
| Two-Speed Hydrostatic Drive System | Standard |
| Operator station | |
| Air suspension seat | Optional |
| Foot Throttle | Standard |
| Full-Suspension Seat | Standard |
| IdealAccess™ Fold-Up Door | Optional |
| Multi-Function Display Screen | Standard |
| Pressurized Cab Enclosure with A/C | Optional |
| Rearview Camera | Standard |
| 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 | Standard |
| Easy Manager | Standard |
| Engine Alert System with Error Display | Standard |
| Mechanical Lift Cylinder Lock | Standard |
| Tilt-out Foot Pod | Standard |



Head Office

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

www.manitou.com



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