Technical sheet:

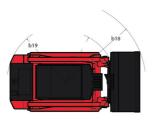
1650RT



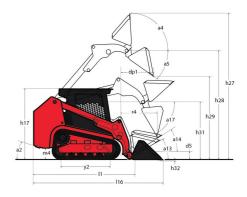


	1650RT Created on	1650RT Created on December 22, 2024 at 5:47 AM UTC	
Capacities		Metric	
Operating Weight		3638 kg	
Unladen weight		3638 kg	
Operating Capacity at 35% Tipping Load		748 kg	
Operating Capacity At 50% Tipping Load		1069 kg	
Tipping capacity		2139 kg	
Weight and dimensions		<u> </u>	
Overall 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	I16	3205 mm	
Overall Length without Bucket	11	2393 mm	
Specified Height	h31	1638 mm	
Reach at Specified Height	r4	559 mm	
	a17	73 °	
Dump angle at specified height	d5	198 mm	
Carry Position		28 °	
Maximum Rollback Angle at Carry Position	a14		
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	у2	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/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 / 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		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	
5.04.14 - 15.054/L		0.70 Dui	

1650RT - Dimensional drawing







Equipment

Auxiliary Hydraulics Electronic Attachment Control - 14-Pin Connector Optional High-Flow Auxiliary Hydraulics Geal Tiax & automatic track tensioning system Power-A-Tach® Attachment Mounting System Optional Motorization/Power Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Glowplugs Starts Assist Standard Steron-Controlled Hydrostatic Drive Two Speed Hydrostatic Drive Standard Operator station Air suspension seat Optional Air suspension seat Optional Foot Throttle Standard Pressurized Cab Enclosure with A/C Rearview Camera Optional SIGNSy/FOPS Level II Overhead Guard Silding Side Windows Standard Scelectable Self-Leveling Hydraulic Lift Action 4 Prezumatios Prezumatios Silding Side Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Secontry Anti-Vandalism Lock Provisions Seack-Up Alarm Seack-Up Alarm Sage-C-Up Alarm	Lifting function	
Electronic Attachment Control - 14-Pin Connector ligh-Flow Auxiliary Hydraulics Optional dealTrax® automatic track tensioning system Optional Motorization/Power Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Standard Dual-Element Air Cleaner with Indicator Standard Silomolugs Starts Assist Standard Serov-Controlled Hydrostatic Drive Standard Serov-Controlled Hydrostatic Drive Standard Derator station Air suspension seat Optional Foot Throttle Standard Standard Standard Standard Pressurized Cab Enclosure with A/C Rearview Camera ROPS/FOPS Level II Overhead Guard Siding Side Windows Standard Solder Side Self-Leveling Hydraulic Lift Action 4 Pheumatics Rubber Track Undercarriage System Standard Standard Optional Pheumatics Sceondary functions Counterweight Dedicated Undercarriage Standard Standard Standard Standard Sceondary functions Counterweight Dedicated Undercarriage Standard Standard Standard Standard Standard Sceondary functions Sceondary functions Standard Standard Sceondary functions Standard Standard Sceondary functions Standard Standard Standard Sceondary functions Standard S	All-Tach® Attachment Mounting System	Standard
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Power-A-Tach® Attachment Mounting System Motorization/Power Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Glowplugs Starts Assist Standard Servo-Controlled Hydrostatic Drive Standard Two-Speed Hydrostatic Drive System Optional Air suspension seat Foot Throttle Standard Multi-Function Display Screen Pressurized Cab Enclosure with A/C Rearview Camera ROPS/FOPS Level II Overhead Guard Siding Side Windows Standard Siding Side Windows Standard Other options Selectable Self-Leveling Hydraulic Lift Action 4 Pheumatics Rount-Frack Undercarriage System Standard Secondary functions Counterweight Standard Secondary functions Anti-Vandalism Lock Provisions Standard Secondary functions Counterweight Standard Sack-Up Alarm Optional Easy Manager Engine Alert System with Error Display Standard	High-Flow Auxiliary Hydraulics	Optional
Motorization/Power Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Glowplugs Starts Assist Standard Servo-Controlled Hydrostatic Drive Standard Two-Speed Hydrostatic Drive System Operator station Air suspension seat Foot Throttle Standard Full-Suspension Seat Standard Multi-Function Display Screen Pressurized Cab Enclosure with A/C Rearview Camera ROPS/FOPS Level II Overhead Guard Stiding Side Windows Standard Swing-out Cab Door Standard Swing-out Cab Door Standard Other options Seelectable Self-Leveling Hydraulic Lift Action 4 Presumatics Counterweight Standard Standard Standard Secondary functions Counterweight Standard Standard Scounterweight Standard Standard Scounterweight Standard Standard Standard Standard Standard Scounterweight Standard Standard Standard Standard Standard Scounterweight Standard Standard Scounterweight Standard Standard Scounterweight Standard Standard Standard Standard	IdealTrax® automatic track tensioning system	Standard
Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Slowplugs Starts Assist Standard Servo-Controlled Hydrostatic Drive Standard Servo-Controlled Hydrostatic Drive Standard Two-Speed Hydrostatic Drive System Standard Operator station Air suspension seat Optional Foot Throttle Standard Foot Throttle Standard Full-Suspension Seat Optional Rearview Camera Optional RoPSyFOPS Level II Overhead Guard Stiding Side Windows Standard Swing-out Cab Door Standard Other options Selectable Self-Leveling Hydraulic Lift Action 4 Pneumatics Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Secondary functions Counterweight Secondary functions Counterweight Secondary Standard Secondary Stan	Power-A-Tach® Attachment Mounting System	Optional
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Servo-Controlled Hydrostatic Drive Standard Two-Speed Hydrostatic Drive System Standard Two-Speed Hydrostatic Drive System Operator station Operator station Standard Two-Speed Hydrostatic Drive System Optional Foot Throttle Standard Full-Suspension seat Standard Standard Full-Suspension Seat Standard Optional Standard Wultf-Function Display Screen Standard Optional Reaview Camera Optional Reaview Camera Optional Reaview Camera Standard Swing-out Cab Door Standard Other options Selectable Self-Leveling Hydraulic Lift Action 4 Optional Pneumatics Standard Single Flange Front/Dual Flange Rear Idlers Standard Secondary functions Scoondary functions Scoondary functions Scoondary functions Standard Secondary Flange Front/Dual Flange Rear Idlers Standard Secondary Flange Front/Dual Flange Rear Idlers Standard Secondary functions Standard Secondary functions Standard Secondary functions Standard Secondary Flange Front/Dual Flange Rear Idlers Standard Secondary Flange Front/Dual Flange Rear Idlers Standard Secondary functions Standard Secondary functions Standard Secondary functions Standard Secondary Flange Front/Dual Flange Rear Idlers Standard Secondary Flange Front/Dual Flange Rear Idlers Standard Secondary functions Standard Secondary functions Standard Secondary St	Engine Auto-Shutdown System	Standard
Two-Speed Hydrostatic Drive System Operator station Air suspension seat Foot Throttle Foot Throttle Standard Full-Suspension Seat Standard Multi-Function Display Screen Pessurized Cab Enclosure with A/C Optional Rearview Camera Optional ROPS/FOPS Level II Overhead Guard Standard Stiding Side Windows Standard Other options Selectable Self-Leveling Hydraulic Lift Action 4 Preneumatics Rubber Track Undercarriage System Standard Secondary functions Counterweight Dedicated Undercarriage Standard Secondary functions Counterweight Dedicated Undercarriage Standard Secondary functions Standard Standard Secondary functions Standard Standard Secondary functions Standard Standard Secondary functions Standard Standard Standard Secondary functions Standard	Glowplugs Starts Assist	Standard
Operator station Optional 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 Standard Relectable Self-Leveling Hydraulic Lift Action 4 Optional Prevumatics Standard Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Standard Secondary functions Standard Counterweight Standard Dedicated Undercarriage Standard Security Standard Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard Engine Alert System with Error Display Standard	Servo-Controlled Hydrostatic Drive	Standard
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Standard Other options Selectable Self-Leveling Hydraulic Lift Action 4 Pneumatics Rubber Track Undercarriage System Single Flange Front/Dual Flange Rear Idlers Secondary functions Counterweight Standard Dedicated Undercarriage Security Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard Engine Alert System with Error Display Standard	ROPS/FOPS Level II Overhead Guard	Standard
Other options Selectable Self-Leveling Hydraulic Lift Action 4 Optional Pneumatics Rubber Track Undercarriage System 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	Sliding Side Windows	Standard
Selectable Self-Leveling Hydraulic Lift Action 4 Pneumatics Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Scondary functions Counterweight Dedicated Undercarriage Standard Security Anti-Vandalism Lock Provisions Back-Up Alarm Easy Manager Engine Alert System with Error Display Optional	Swing-out Cab Door	Standard
Preumatics Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Secondary functions Counterweight Standard Dedicated Undercarriage Security Anti-Vandalism Lock Provisions Back-Up Alarm Easy Manager Engine Alert System with Error Display Standard Standard Standard Standard Standard Standard Standard Standard Standard	Other options	
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Secondary functions Standard Counterweight Standard Dedicated Undercarriage Standard Security Standard Back-Up Alarm Optional Easy Manager Standard Engine Alert System with Error Display Standard	Rubber Track Undercarriage System	Standard
Counterweight Standard Dedicated Undercarriage Standard Security Standard Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard Engine Alert System with Error Display Standard	Single Flange Front/Dual Flange Rear Idlers	Standard
Dedicated Undercarriage Standard Security Standard Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard Engine Alert System with Error Display Standard	Secondary functions	
Security Standard Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard Engine Alert System with Error Display Standard	Counterweight	Standard
Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard Engine Alert System with Error Display Standard	Dedicated Undercarriage	Standard
Back-Up Alarm Optional Easy Manager Standard Engine Alert System with Error Display Standard	Security	
Easy Manager Standard Engine Alert System with Error Display Standard	Anti-Vandalism Lock Provisions	Standard
Engine Alert System with Error Display Standard	Back-Up Alarm	Optional
3	Easy Manager	Standard
Mechanical Lift Cylinder Lock Standard	Engine Alert System with Error Display	Standard
	Mechanical Lift Cylinder Lock	Standard





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