Technical sheet:

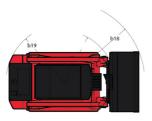
1650RT



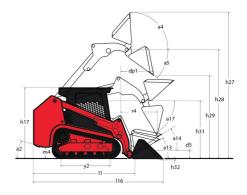


Panacitica		Motrie
Capacities		Metric
perating Weight		3638 kg
nladen weight		3638 kg
perating Capacity at 35% Tipping Load		748 kg
perating Capacity At 50% Tipping Load		1069 kg
ipping capacity		2139 kg
leight and dimensions		
verall Operating Height - Fully Raised	h27	4008 mm
eight to Hinge Pin – Fully Raised	h28	3038 mm
ump reach - Full height	r6	641 mm
ump angle at full height	a5	39 °
ump Height - Fully Raised	h29	2329 mm
aximum Rollback Angle - Fully Raised	a4	98 °
verall Height to top of ROPS	h17	1969 mm
rerall length with bucket	l16	3205 mm
erall Length without Bucket	I1	2393 mm
ecified Height	h31	1638 mm
	r4	559 mm
ach at Specified Height		73 °
mp angle at specified height	a17	
eximum Rollback Angle at Ground	a13	28 °
rry Position	d5	198 mm
ximum Rollback Angle at Carry Position	a14	28 °
gging Position	h32	53 mm
ngle of Departure with STD Counterweight		28 °
ound clearance	m4	185 mm
ack gauge	b10	1356 mm
ack Shoe Width	b20	320 mm
awler base	y2	1265 mm
erall width less bucket	b1	1676 mm
cket Width	e1	1676 mm
earance Radius - Front with Bucket	b18	1979 mm
earance Circle - Rear	wa1	1440 mm
aximum rollback at specified height		62 °
ngle of Approach	a3	90 °
rouser Height		25 mm
ack Type / Track Rollers / Roller Type		Rubber / 3 / Steel
erformances		
round Speed - Single Speed		10.50 km/h
ound Speed - Two Speed		16.10 km/h
awbar Pull/Tractive Effort		4345 kg
cket Breakout - Tilt Cylinder		1919 kg
cket Breakout - Lift Cylinder		2295 kg
		2293 kg
gine		Vergreen
gine brand		Yanmar
gine model		4TNV98C-NMS2
otor Type		Radial Piston
oss Power / Power		51.70 kW @ 2500 rpm
et Power / Power		51 kW / 2500 rpm
ax. torque		241 Nm
C. Engine power rating		69.30 Hp
ttery voltage		12 V
old Cranking Amps at Temperature (CCA)		950 A
ternator - Voltage / Ampere		12 V / 100 A
draulics		
andard flow - Auxiliary hydraulics		71 l/min
nk capacities		
I Pan Capacity		9
draulic oil tank capacity		39 I
iel tank		62.50 I
polant system capacity		12.90 l
		3.301/4
splacement / Number of cylinders		3.301/4
iscellaneous		

1650RT - Dimensional drawing







Equipment

Auxillary Hydraulics Standard Optional dight-Flow Auxillary Hydraulics Optional dight-Flow Auxillary Hydraulics Optional deal rax " Automatic Track Tensioning System Standard Power-A-Tach® Attachment Mounting System Optional Motorization/Power Standard Optional Motorization/Power Standard Optional Motorization/Power Standard Optional Motorization/Power Standard Optional Hydraulic Oil Cooler Standard Optional Standard Stand	Lifting function	
Electronic Attachment Control - 14-Pin Connector Igh-Flow Auxiliary Hydraulics dealTrax* Automatic Track Tensioning System Optional	All-Tach® Attachment Mounting System	Standard
dealTrax" Automatic Track Tensioning System Optional dealTrax" Automatic Track Tensioning System Optional Motorization/Power Opmination Radiator & Hydraulic Oil Cooler Obusi-Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard	Auxiliary Hydraulics	Standard
dealTrax* Automatic Track Tensioning System Optional Obver-A-Tach® Attachment Mounting System Optional Motorization/Power Combination Radiator & Hydraulic Oil Cooler Obual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Element Hydrostatic Drive Standard Element Hydrostatic Drive Standard Derector Station Air suspension seat Optional Element Element Hydrostatic Drive Standard Unit-Function Display Screen Pressurized Cab Enclosure with A/C Rearview Camera Optional Rearview Camera Optional ROPS/FOPS Level II Overhead Guard Standard Standard Standard Standard Standard Standard Deficial Side Windows Standard Standard Deficial Side Windows Standard Deficial Side Windows Standard Deficial Side Windows Standard Deficial Side Flaveling Hydraulic Lift Action 4 Optional Rearwing Camera Optional Rearwing Camera Rountered System Standard Standard Dedicated Undercarriage System Standard Dedicated Undercarriage Standard Dedicated Undercarriage Standard Standard Rearwing Standard Dedicated Undercarriage Standard Standard Dedicated Undercarriage Standard Standard Standard Standard Dedicated Undercarriage Standard Standard Standard Standard Standard Dedicated Undercarriage Standard	Electronic Attachment Control - 14-Pin Connector	Optional
Power A-Tach® Attachment Mounting System Motorization/Power Combination Radiator & Hydraulic Oil Cooler Usual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Slowplugs Starts Assist Standard Slowplugs Starts Assist Standard Power Octoriolled Hydrostatic Drive Standard Power Speed Hydrostatic Drive Standard Power Speed Hydrostatic Drive System Standard Power Speed Hydrostatic Drive Standard Standard Power Speed Hydrostatic Drive Standard Stand	High-Flow Auxiliary Hydraulics	Optional
Motorization/Power Combination Radiator & Hydraulic Oil Cooler Standard Clear with Indicator Standard Slowplugs Starts Assist Standard Slowplugs Starts Assist Standard Servo-Controlled Hydrostatic Drive Standard Groe-Speed Hydrostatic Drive System Optional Cooler Throttle Standard Cooler Cooler Cooler Standard Cooler Cool	IdealTrax™ Automatic Track Tensioning System	Standard
Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Standard Storov-Controlled Hydrostatic Drive Storov-Controlled Hydrostatic Drive Storov-Speed Hydrostatic Drive System Standard Dependent Station Air suspension seat Cool Throttle Standard Persurrized Cab Enclosure with A/C Rearview Camera ROPS/FOPS Level II Overhead Guard Standard Standard Standard Standard Standard Standard Standard Optional Rearview Camera Optional ROPS/FOPS Level II Overhead Guard Standard Sta	Power-A-Tach® Attachment Mounting System	Optional
Dual-Element Air Cleaner with Indicator Standard Engine Auto-Shutdown System Standard Slowplugs Starts Assist Standard Serov-Controlled Hydrostatic Drive Standard Fow-Speed Hydrostatic Drive System Standard Deperator station Department of the System of Standard Foot Throttle Standard Foot Throttle Standard Foull-Suspension Seat Standard Full-Suspension Seat Standard Multi-Function Display Screen Standard Pressurized Cab Enclosure with A/C Optional Rearriew Camera Optional ROPS/FOPS Level II Overhead Guard Standard Stiding Side Windows Standard Selectable Self-Leveling Hydraulic Lift Action 4 Optional Peneumatics Standard Rubber Track Undercarriage System Standard Secondary functions Standard Secondary functions Standard Counterweight Standard Security Anti-Vandalism Lock Provisions Standard Anti-Vandalism Lock Provisions	Motorization/Power	
Engine Auto-Shutdown System Standard Glowplugs Starts Assist Standard Servo-Controlled Hydrostatic Drive Standard Servo-Controlled Hydrostatic Drive Standard Deperator station Air suspension seat Optional Foot Throttle Standard Multi-Function Display Screen Pessurized Cab Enclosure with A/C Gearview Camera Optional Rearview Camera Optional Standard Standard Standard Standard Counter options Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Scounterweight Standard Recording functions Counterweight Optional Recording Standard Recording Stan	Combination Radiator & Hydraulic Oil Cooler	Standard
Slowplugs Starts Assist Standard Servo-Controlled Hydrostatic Drive Standard Fwo-Speed Hydrostatic Drive System Standard Sperator station Air suspension seat Optional Foot Throttle Standard Full-Suspension Seat Standard Multi-Function Display Screen Standard Multi-Function Display Screen Standard Multi-Function Display Screen Optional Rearview Camera Optional Rearview Camera Optional RoPS/FOPS 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 Secondary functions Counterweight Ocunterweight Standard Secondary functions Scalectable Undercarriage Standard Secondary functions Standard Standard Secondary functions Standard	Dual-Element Air Cleaner with Indicator	Standard
Servo-Controlled Hydrostatic Drive Standard Floor-Speed Hydrostatic Drive System Standard Poperator station Controlled Hydrostatic Drive System Optional Standard Poperator station Standard Poperator Standard Poperator Standard Standard Poperator Standard Poperator Standard Poperator Standard Poperator Standard Poperator Standard St	Engine Auto-Shutdown System	Standard
Standard Operator station Air suspension seat Optional Foot Throttle Standard Foot Throttle Standard Foot Throttle Standard Foot Throttle Standard Multi-Function Display Screen Standard Multi-Function Display Screen Optional Rearview Camera Optional Rearview Camera Optional Rearview Camera Optional Rearview Undercamage Selectable Self-Leveling Hydraulic Lift Action 4 Optional Rearview Camera Optional Standard Standard Standard Optional Other options Selectable Self-Leveling Hydraulic Lift Action 4 Optional Rearview Undercamage System Standard Standard Standard Scounderweight Oedicated Undercamage Security Anti-Vandalism Lock Provisions Standard Optional Standard Optional Standard Optional Standard	Glowplugs Starts Assist	Standard
Deperator station Air suspension seat Optional Foot Throttle Standard Foot Throttle Standard Multi-Function Display Screen Standard Multi-Function Display Screen Pessurized Cab Enclosure with A/C Optional Rearview Camera Optional ROPS/FOPS Level II Overhead Guard Stiding Side Windows Standard Stiding Side Windows Standard Swing-out Cab Door Standard Other options Relectable Self-Leveling Hydraulic Lift Action 4 Optional Rearview Camera Optional Opt	Servo-Controlled Hydrostatic Drive	Standard
Air suspension seat Optional Foot Throttle Standard Foot Throttle Standard Multi-Function Display Screen Standard Multi-Function Display Screen Standard Pressurized Cab Enclosure with A/C Optional Rearview Camera Optional ROPS/FOPS Level II Overhead Guard Stiding Side Windows Standard Stiding Side Windows Standard Stiding Side Windows Standard Stelectable Self-Leveling Hydraulic Lift Action 4 Optional Rearview Camera Options Selectable Self-Leveling Hydraulic Lift Action 4 Optional Rearview Camera Options Standard Standard Standard Standard Standard Standard Standard Standard Standard Secondary functions Counterweight Standard Dedicated Undercarriage Standard Secondary functions Scounterweight Standard Secondary Standard Seco	Two-Speed Hydrostatic Drive System	Standard
Foot Throttle Standard Full-Suspension Seat Standard Multi-Function Display Screen Standard Multi-Function Display Screen Standard Pressurized Cab Enclosure with A/C Optional Rearview Camera Optional ROPS/FOPS Level II Overhead Guard Standard Stiding Side Windows Standard Stiding Side Windows Standard Swing-out Cab Door Standard Other options Selectable Self-Leveling Hydraulic Lift Action 4 Optional Real Rober Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Standard Secondary functions Counterweight Standard Dedicated Undercarriage Standard Secondary functions Standard Secondary functions Counterweight Standard Dedicated Undercarriage Standard Secondary Sta	Operator station	
Full-Suspension Seat Multi-Function Display Screen Persourized Cab Enclosure with A/C Optional Rearview Camera Optional ROPS/FOPS Level II Overhead Guard Stiding Side Windows Standard Swing-out Cab Door Standard Swing-out Cab Door Standard Selectable Self-Leveling Hydraulic Lift Action 4 Optional Rearview Camera Optional Rearview Camera Options Selectable Self-Leveling Hydraulic Lift Action 4 Optional Rearview Camera Standard Science Front/Dual Flange Rear Idlers Standard Secondary functions Counterweight Standard Secondary functions Counterweight Standard Secondary Camera Optional Secondary Anti-Vandalism Lock Provisions Standard Secondary Anti-Vandalism Lock Provisions Standard Secondary Standard	Air suspension seat	Optional
Multi-Function Display Screen Multi-Function Display Screen Standard Pressurized Cab Enclosure with A/C Rearview Camera Optional ROPS/FOPS Level II Overhead Guard Stiding 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 Scondary functions Counterweight Dedicated Undercarriage Standard Secondary Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard	Foot Throttle	Standard
Pressurized Cab Enclosure with A/C Reaview Camera Optional ROPS/FOPS Level II Overhead Guard Stiding Side Windows Standard Swing-out Cab Door Standard Optional Presumatics Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Counterweight Counterweight Dedicated Undercarriage Secondary functions Counterweight Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard	Full-Suspension Seat	Standard
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	Multi-Function Display Screen	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 Oneumatics 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	Pressurized Cab Enclosure with A/C	Optional
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	Rearview Camera	Optional
Standard Other options Selectable Self-Leveling Hydraulic Lift Action 4 Optional Pneumatics Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Scondary functions Counterweight Standard Dedicated Undercarriage Standard Security Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard	ROPS/FOPS Level II Overhead Guard	Standard
Other options Selectable Self-Leveling Hydraulic Lift Action 4 Optional Pneumatics Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Scondary functions Counterweight Standard Dedicated Undercarriage Standard Security Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager 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 Standard Dedicated Undercarriage Standard Security Anti-Vandalism Lock Provisions Standard Back-Up Alarm Optional Easy Manager Standard	Swing-out Cab Door	Standard
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	Other options	
Rubber Track Undercarriage System Standard Single Flange Front/Dual Flange Rear Idlers Scondary functions Counterweight Security Anti-Vandalism Lock Provisions Standard Back-Up Alarm Soguer Standard Easy Manager Engine Alert System with Error Display Standard Standard Standard Standard Standard Standard Standard Standard Standard	Selectable Self-Leveling Hydraulic Lift Action 4	Optional
Single Flange Front/Dual Flange Rear Idlers 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	Pneumatics	
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 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	
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 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Easy Manager	Standard
Mechanical Lift Cylinder Lock Standard	Engine Alert System with Error Display	Standard
	Mechanical Lift Cylinder Lock	Standard





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