Technical sheet:

## 1650R



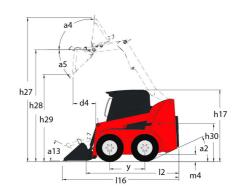


	1030K Oleated	TOTI December 22, 2024 at 5.08 AM U
Capacities		Metric
Rated Operating Capacity		748 kg
Rated Operating Capacity with Optional Counterweight		816.50 kg
Unladen weight		2796 kg
Weight and dimensions		
Wheelbase	у	988 mm
Overall Operating Height - Fully Raised	h27	3876 mm
Height to Hinge Pin - Fully Raised	h28	3022.60 mm
Overall Height to top of ROPS	h17	1948 mm
Dump angle at full height	a5	38 °
Dump height	h29	2380 mm
Overall length with bucket	116	3101 mm
Dump reach - Full height	r6	579 mm
Rollback at ground	a13	28 °
Seat to ground height	h30	904 mm
Overall width less bucket	b1	1544 mm
Bucket Width	e1	1562 mm
Ground clearance	m4	160 mm
	12	2385 mm
Overall length - Less Bucket	12 a2	2363 IIIII 21 °
Departure angle		
Clearance Radius - Front with Bucket	b18	1869 mm
Performances		10.10.1
Travel speed (unladen)		12.60 km/h
Travel Speed with Two-Speed Option - Maximum		19.50 km/h
Wheels		
Standard tires		10.00 x 16.5 HD
Engine		
Engine brand		Yanmar
Engine model		4TNV88C-KMS
Gross Power		52 kW
Net Power		51 kW
Max. torque / Engine rotation		241 Nm / 2500 rpm
Power source Power source		Diesel
.C. Engine power rating		69.73 Hp
Battery voltage		12 V
Altemator		100 kW
Starter		3 kW
Hydraulics		
Standard flow - Auxiliary hydraulics		71.40 l/min
Auxiliary Hydraulic Pressure		207 bar
High-Flow Auxiliary Hydraulics - Option		114 l/min
High-Flow Auxiliary Hydraulics Pressure - Option		200 bar
Tank capacities		
Fuel tank		62.50 l
Hydraulic tank capacity		41.60 l
Displacement		3.30 I
Noise and vibration		
Noise to environment (LwA)		101 dB
Noise at driving position (LpA)		85 dB
Whole-Body Vibration (ISO 2631-1)		0.90 m/s²
Vibration on hands/arms		< 1.77 m/s²

## 1650R - Dimensional drawing







## **Equipment**

Integral Access Plate (removable)  Lifting function  Auxiliary Hydraulics Auxiliary Hydraulic	_	
All-Tach® Attachment Mounting System         Standard           Auxiliary Hydraulics         Optional           Power.A-Tach® Attachment Mounting System         Optional           Lighting         Standard           Work Lights - Front and Rear         Standard           Motorization/Power         Standard           Engine Auto-Shutdown System         Standard           Engine Block Heater         Optional           Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         Air conditioning with manual adjustment         Optional           Air suspension seat         Optional           Cab Enclosure         Optional           Foot and Hand Throttles 2         Standard           Gehl TBar Controls         Optional           Heating         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Suspension Seat - Mechanical         Optional           Other options         Standard           Hydrostatic Drive - Servo         Standard	Integral Access Plate (removable)	Standard
Auxiliary Hydraulics         Optional           High-Flow Auxiliary Hydraulics         Optional           Power-A-Tach® Attachment Mounting System         Optional           Work Lights - Front and Rear         Standard           Montzation/Power         Standard           Engine Auto-Shutdown System         Standard           Engine Block Heater         Optional           Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         Optional           Air conditioning with manual adjustment         Optional           Beleance With Controls         Optional           Gell Tear Controls         Optional           Hearting         Optional           Hearting <td>Lifting function</td> <td></td>	Lifting function	
High-Flow Auxiliary Hydraulics   Optional	All-Tach® Attachment Mounting System	Standard
Power A Tach® Attachment Mounting System         Optional           Lighting         Standard           Work Lights - Front and Rear         Standard           Motobization/Power         Engine Auto-Shutdown System         Standard           Engine Block Heater         Optional           Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         Understand the Cook of	Auxiliary Hydraulics	Standard
Lighting         Standard           Work Lights - Front and Rear         Standard           Motorization/Power         Standard           Engine Auto-Shutdown System         Standard           Engine Block Heater         Optional           Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         Optional           Air suspension seat         Optional           Cab Enclosure         Optional           Foot and Hand Throttles 2         Standard           Gehl TBar Controls         Optional           Heating         Optional           Heating         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Other options         Standard           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Optional	High-Flow Auxiliary Hydraulics	Optional
Work Lights - Front and Rear         Standard           Motorization/Power         Common Standard           Engine Auto-Shutdown System         Standard           Engine Block Heater         Optional           Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         Optional           Air conditioning with manual adjustment         Optional           Air suspension seat         Optional           Cab Enclosure         Optional           Foot and Hand Throttles 2         Standard           Gehl TBar Controls         Optional           Heating         Optional           Heating         Optional           Heating         Optional           Hey Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Other options         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Standard           Full Instrumentation<	Power-A-Tach® Attachment Mounting System	Optional
Motorization/Power         Standard           Engine Auto-Shutdown System         Standard           Engine Block Heater         Optional           Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         Optional           Air suspension seat         Optional           Cab Enclosure         Optional           Foot and Hand Throttles 2         Standard           Gehl TBar Controls         Optional           Hand/Foot Controls         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Ofter options         Standard           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Standard           Full Instrumentation         Standard           Hydraglide* Ride Control 3         Optional           Security	Lighting	
Engine Auto-Shutdown System         Standard           Engine Block Heater         Optional           Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         U           Air conditioning with manual adjustment         Optional           Air suspension seat         Optional           Cab Enclosure         Optional           Foot and Hand Throttles 2         Standard           Gehl T-Bar Controls         Optional           Hand/Foot Controls         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Suspension Seat - Mechanical         Optional           Other options         Optional           Whydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Standard           Counterweight         Optional           Fill Ill Instrumentation         Standard           Hydraglide* Ride Control 3         Optional           Security </td <td>Work Lights - Front and Rear</td> <td>Standard</td>	Work Lights - Front and Rear	Standard
Engine Block Heater         Optional           Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         Optional           Air conditioning with manual adjustment         Optional           Air suspension seat         Optional           Cab Enclosure         Optional           Foot and Hand Throttles 2         Standard           Gehl Tear Controls         Optional           Heating         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Other options         Standard           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Standard           Counterweight         Optional           Full Instrumentation         Standard           Hydraglide** Ride Control 3         Optional           Security	Motorization/Power	
Swing-Out Cooler         Standard           Two-Speed Drive         Optional           Operator station         University           Air conditioning with manual adjustment         Optional           Air suspension seat         Optional           Cab Enclosure         Optional           Foot and Hand Throttles 2         Standard           Gehl T-Bar Controls         Optional           Hand/Foot Controls         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Other options         Standard           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Optional           Counterweight         Optional           Full Instrumentation         Standard           Hydraglide** Ride Control 3         Optional           Security         Anti-Vandalism Protection         Standard <td>Engine Auto-Shutdown System</td> <td>Standard</td>	Engine Auto-Shutdown System	Standard
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Operator station         Optional           Air conditioning with manual adjustment         Optional           Cab Enclosure         Optional           Foot and Hand Throttles 2         Standard           Gehl FBar Controls         Optional           Hand/Foot Controls         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Other options         Standard           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Standard           Full Instrumentation         Standard           Hydraglide** Ride Control 3         Optional           Security         Standard           Anti-Vandalism Protection         Standard           Back-Up Alarm         Optional           Brake Control (Auto / Manual)         Standard           Hydraloc** Safety System         Standard	Swing-Out Cooler	Standard
Air conditioning with manual adjustment Air suspension seat Optional Cab Enclosure Optional Foot and Hand Throttles 2 Standard Gehl TBar Controls Optional Hand/Foot Controls Optional Heating Optional High-Back Adjustable Seat Hom Standard Joystick controls Optional ROPS/FOPS Level II Overhead Guard Suspension Seat - Mechanical Optional Hydrostatic Drive - Servo Secondary functions Counterweight Full Instrumentation Hydraglide** Ride Control 3 Security Rake Control (Auto / Manual) Brake Control (Auto / Manual) Brake Control (Auto / Manual) Foot and Hand Throttles 2 Standard Optional Optional Optional Optional Optional Optional Standard Standard Optional	Two-Speed Drive	Optional
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Cab Enclosure Optional   Foot and Hand Throttles 2 Standard   Gehl T-Bar Controls Optional   Hand/Foot Controls Optional   Heating Optional   High-Back Adjustable Seat Standard   Hom Standard   Joystick controls Optional   ROPS/FOPS Level II Overhead Guard Standard   Sound Reduction Material Standard   Supension Seat - Mechanical Optional   Other options Standard   Hydrostatic Drive - Servo Standard   Selectable Self-Leveling Hydraulic Lift Action 4 Optional   Secondary functions Optional   Counteweight Optional   Full Instrumentation Standard   Hydraglide™ Ride Control 3 Optional   Security Optional   Anti-Vandalism Protection Standard   Back-Up Alarm Optional   Brake Control (Auto / Manual) Standard   Hydraloc™ Safety System Standard   Lift Arm Support Device Standard	Air conditioning with manual adjustment	Optional
Foot and Hand Throttles 2         Standard           Gehl TBar Controls         Optional           Hand/Foot Controls         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Other options         Standard           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Optional           Counterweight         Optional           Full Instrumentation         Standard           Hydraglide** Ride Control 3         Optional           Security         Standard           Anti-Vandalism Protection         Standard           Back-Up Alarm         Optional           Brake Control (Auto / Manual)         Standard           Hydraloc** Safety System         Standard           Lift Arm Support Device         Standard	Air suspension seat	Optional
Gehl T-Bar Controls         Optional           Hand/Foot Controls         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Other options         Standard           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Optional           Full Instrumentation         Standard           Hydraglide** Ride Control 3         Optional           Security         Standard           Anti-Vandalism Protection         Standard           Back-Up Alarm         Optional           Brake Control (Auto / Manual)         Standard           Hydraloc** Safety System         Standard           Lift Arm Support Device         Standard	Cab Enclosure	Optional
Hand/Foot Controls         Optional           Heating         Optional           High-Back Adjustable Seat         Standard           Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Other options         U           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions         Optional           Full Instrumentation         Standard           Hydraglide** Ride Control 3         Optional           Security         Optional           Anti-Vandalism Protection         Standard           Back-Up Alarm         Optional           Brake Control (Auto / Manual)         Standard           Hydraloc** Safety System         Standard           Lift Arm Support Device         Standard	Foot and Hand Throttles 2	Standard
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Hom         Standard           Joystick controls         Optional           ROPS/FOPS Level II Overhead Guard         Standard           Sound Reduction Material         Standard           Suspension Seat - Mechanical         Optional           Uther options           Hydrostatic Drive - Servo         Standard           Selectable Self-Leveling Hydraulic Lift Action 4         Optional           Secondary functions           Counterweight         Optional           Full Instrumentation         Standard           Hydraglide™ Ride Control 3         Optional           Security           Anti-Vandalism Protection         Standard           Back-Up Alarm         Optional           Brake Control (Auto / Manual)         Standard           Hydraloc™ Safety System         Standard           Lift Arm Support Device         Standard	Heating	Optional
Joystick controls       Optional         ROPS/FOPS Level II Overhead Guard       Standard         Sound Reduction Material       Standard         Suspension Seat - Mechanical       Optional         Uther options         Hydrostatic Drive - Servo       Standard         Selectable Self-Leveling Hydraulic Lift Action 4       Optional         Secondary functions         Counterweight       Optional         Full Instrumentation       Standard         Hydraglide™ Ride Control 3       Optional         Security       Standard         Anti-Vandalism Protection       Standard         Back-Up Alarm       Optional         Brake Control (Auto / Manual)       Standard         Hydraloc™ Safety System       Standard         Lift Arm Support Device       Standard	High-Back Adjustable Seat	Standard
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Suspension Seat - Mechanical       Optional         Other options       Standard         Hydrostatic Drive - Servo       Standard         Selectable Self-Leveling Hydraulic Lift Action 4       Optional         Secondary functions       U         Counterweight       Optional         Full Instrumentation       Standard         Hydraglide™ Ride Control 3       Optional         Security       Standard         Anti-Vandalism Protection       Standard         Back-Up Alarm       Optional         Brake Control (Auto / Manual)       Standard         Hydraloc™ Safety System       Standard         Lift Arm Support Device       Standard	ROPS/FOPS Level II Overhead Guard	Standard
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Secondary functions       Counterweight     Optional       Full Instrumentation     Standard       Hydraglide™ Ride Control 3     Optional       Security     Standard       Anti-Vandalism Protection     Standard       Back-Up Alarm     Optional       Brake Control (Auto / Manual)     Standard       Hydraloc™ Safety System     Standard       Lift Arm Support Device     Standard	Hydrostatic Drive - Servo	Standard
Counterweight       Optional         Full Instrumentation       Standard         Hydraglide™ Ride Control 3       Optional         Security         Anti-Vandalism Protection       Standard         Back-Up Alarm       Optional         Brake Control (Auto / Manual)       Standard         Hydraloc™ Safety System       Standard         Lift Arm Support Device       Standard	Selectable Self-Leveling Hydraulic Lift Action 4	Optional
Full Instrumentation         Standard           Hydraglide™ Ride Control 3         Optional           Security         Standard           Anti-Vandalism Protection         Standard           Back-Up Alarm         Optional           Brake Control (Auto / Manual)         Standard           Hydraloc™ Safety System         Standard           Lift Arm Support Device         Standard	Secondary functions	
Hydraglide™ Ride Control 3  Security  Anti-Vandalism Protection  Back-Up Alarm  Brake Control (Auto / Manual)  Hydraloc™ Safety System  Lift Arm Support Device  Optional  Standard  Lift Arm Support Device  Optional  Standard  Standard  Standard  Standard	Counterweight	Optional
SecurityStandardAnti-Vandalism ProtectionStandardBack-Up AlarmOptionalBrake Control (Auto / Manual)StandardHydraloc™ Safety SystemStandardLift Arm Support DeviceStandard	Full Instrumentation	Standard
Anti-Vandalism ProtectionStandardBack-Up AlarmOptionalBrake Control (Auto / Manual)StandardHydraloc" Safety SystemStandardLift Arm Support DeviceStandard	Hydraglide™ Ride Control 3	Optional
Back-Up AlarmOptionalBrake Control (Auto / Manual)StandardHydraloc™ Safety SystemStandardLift Arm Support DeviceStandard	Security	
Brake Control (Auto / Manual)     Standard       Hydraloc™ Safety System     Standard       Lift Arm Support Device     Standard	Anti-Vandalism Protection	Standard
Hydraloc™ Safety System     Standard       Lift Arm Support Device     Standard	Back-Up Alarm	Optional
Lift Arm Support Device Standard	Brake Control (Auto / Manual)	Standard
· · · · · · · · · · · · · · · · · · ·	Hydraloc™ Safety System	Standard
Operator Restraint Bar Standard	Lift Arm Support Device	Standard
	Operator Restraint Bar	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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