

Technical sheet :

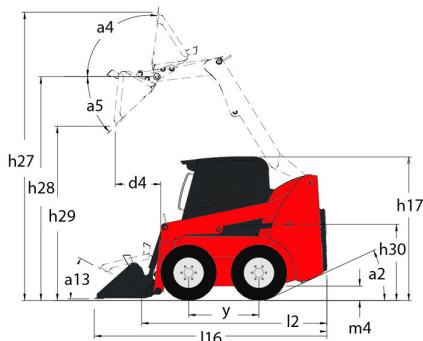
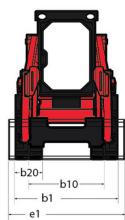
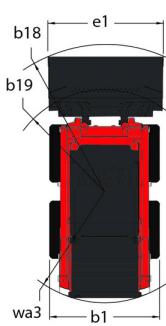
1650R



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	
Rated Operating Capacity		748 kg	
Rated Operating Capacity with Optional Counterweight		816.50 kg	
Unladen weight		2796 kg	
Weight and dimensions			
Wheelbase	y	988 mm	
Overall Operating Height - Fully Raised	h27	3876 mm	
Height to Hinge Pin - Fully Raised	h28	3023 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	l16	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	1580 mm	
Bucket Width	e1	1562 mm	
Ground clearance	m4	160 mm	
Overall length - Less Bucket	l2	2385 mm	
Departure angle	a2	21 °	
Clearance Radius - Front with Bucket	b18	1869 mm	
Performances			
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	
Max. torque / Engine rotation		241 Nm / 2500 rpm	
Power source		Diesel	
Engine power (Hp / kW)		69.73 Hp / 51 kW	
Battery voltage		12 V	
Alternator		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		179 bar	
Tank capacities			
Fuel		62.50 l	
Hydraulic tank capacity		41.60 l	
Displacement		3.30 l	
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/s ²	
Vibration on hands/arms		1.77 m/s ²	

1650R - Dimensional drawing



Equipment

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Integral Access Plate (removable)	Standard
Lifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
High-Flow Auxiliary Hydraulics	Optional
Power-A-Tach® Attachment Mounting System	Optional
Lighting	
Work Lights - Front and Rear	Standard
Motorization/Power	
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 T-Bar Controls	Optional
Hand/Foot Controls	Optional
Heating	
High-Back Adjustable Seat	Standard
Horn	Standard
Joystick controls	Optional
ROPS/FOPS Level II Overhead Guard	Standard
Sound Reduction Material	Standard
Suspension Seat - Mechanical	Optional
Other 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
Operator Restraint Bar	Standard



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