Technical sheet :







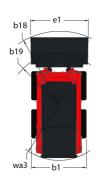
	1650R Created on Aug
Capacities	
Rated Operating Capacity	
Rated Operating Capacity with Optional Counterweight	
Unladen weight	
Weight and dimensions	
Wheelbase	у
Overall Operating Height - Fully Raised	h27
Height to Hinge Pin - Fully Raised	h28
Overall Height to top of ROPS	h17
Dump angle at full height	a5
Dump height	h29
Overall length with bucket	116
	r6
Dump reach - Full height	
Rollback at ground	a13
Seat to ground height	h30
Overall width less bucket	b1
Bucket Width	e1
Ground clearance	m4
Overall length - Less Bucket	12
Departure angle	a2
Clearance Radius - Front with Bucket	b18
Performances	
Travel speed (unladen)	
Travel Speed with Two-Speed Option - Maximum	
Wheels	
Standard tires	
Engine	
Engine brand	
Engine model	
Gross Power	
Net Power	
Max. torque / Engine rotation	2
Power source	
I.C. Engine power rating	
Battery voltage	
Alternator	
Starter	
Hydraulics	
Standard flow - Auxiliary hydraulics	
Auxiliary Hydraulic Pressure	
High-Flow Auxiliary Hydraulics - Option	
High-Flow Auxiliary Hydraulics Pressure - Option	
Tank capacities	
Fuel tank	
Hydraulic tank capacity	
Displacement	
Noise and vibration	
Noise to environment (LwA)	
Noise at driving position (LpA)	
Whole-Body Vibration (ISO 2631-1)	
Vibratian on handa (ama	

<b>650R</b> Created on August	1, 2025 at 10:40 PM UTC
-------------------------------	-------------------------

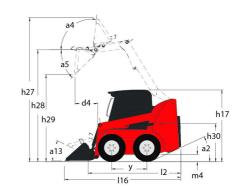
1650R Created on August 1, 2025 at 10:40 PM UTC		
	Metric	
	748 kg	
	816.50 kg	
	2796 kg	
у	988 mm	
h27	3876 mm	
h28	3023 mm	
h17	1948 mm	
a5	38 °	
h29	2380 mm	
116	3101 mm	
rб	579 mm	
a13	28 °	
h30	904 mm	
b1	1544 mm	
e1	1562 mm	
m4	160 mm	
12	2385 mm	
a2	21 °	
b18	1869 mm	
	12.60 km/h	
	19.50 km/h	
	10.00 x 16.5 HD	
	Yanmar	
	4TNV88C-KMS	
	52 kW	
	51 kW	
	241 Nm / 2500 rpm	
	Diesel	
	69.73 Hp	
	12 V	
	100 kW	
	3 kW	
	71.40 l/min	
	207 bar	
	114 l/min	
	200 bar	
	62.50 l	
	41.60 l	
	3.30 l	
	101 dB	
	85 dB	
	0.90 m/s²	
	< 1.77 m/s²	

## 1650R - Dimensional drawing

Vibration on hands/arms







## Equipment

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	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	
Hydrostatic Drive - Servo	Standard
Selectable Self-Leveling Hydraulic Lift Action 4	Optional
Secondary functions	
Counterweight	Optional
Full Instrumentation	Standard
Hydraglide <sup>™</sup> 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



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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes