Technical sheet :

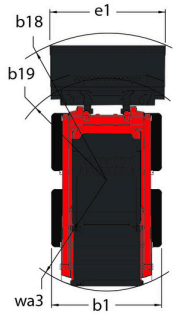
1650R



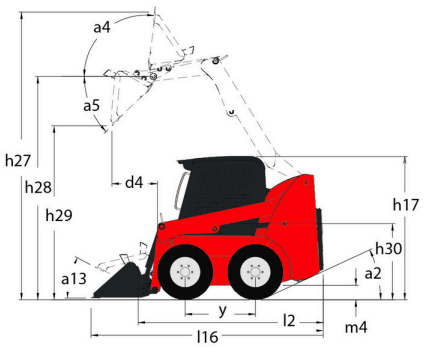
MANITOU
HANDLING YOUR WORLD

Capacities		Imperial
Rated Operating Capacity		1649 lb
Rated Operating Capacity with Optional Counterweight		1800 lb
Unladen weight		6164 lb
Weight and dimensions		
Wheelbase	y	39 in
Overall Operating Height - Fully Raised	h27	153 in
Height to Hinge Pin - Fully Raised	h28	119 in
Overall Height to top of ROPS	h17	77 in
Dump angle at full height	a5	38 °
Dump height	h29	94 in
Overall length with bucket	l16	122 in
Dump reach - Full height	r6	23 in
Rollback at ground	a13	28 °
Seat to ground height	h30	36 in
Overall width less bucket	b1	62 in
Bucket Width	e1	61 in
Ground clearance	m4	6 in
Overall length - Less Bucket	l2	94 in
Departure angle	a2	21 °
Clearance Radius - Front with Bucket	b18	74 in
Performances		
Travel speed (unladen)		8 mph
Travel Speed with Two-Speed Option - Maximum		12 mph
Wheels		
Standard tires		10.00 x 16.5 HD
Engine		
Engine brand		Yanmar
Engine model		4TNV88C-KMS
Engine norm		Tier 4
Max. torque / Engine rotation		178 ft/lbs / 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		19 US gpm
Auxiliary Hydraulic Pressure		3002 PSI
High-Flow Auxiliary Hydraulics - Option		30 US gpm
High-Flow Auxiliary Hydraulics Pressure - Option		2596 PSI
Tank capacities		
Fuel tank capacity		17 US gal
Hydraulic tank capacity		11 US gal
Displacement		0.87 US gal
Noise and vibration		
Noise to environment (LwA)		101 dB
Noise at driving position (LpA)		85 dB
Whole-Body Vibration (ISO 2631-1)		3 ft/s²
Vibration on hands/arms		< 6 ft/s²

1650R - Dimensional drawing







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
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

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