Technical sheet :







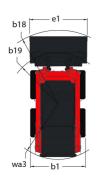
	1650R Created on A
Capacities	
Rated Operating Capacity	
Rated Operating Capacity with Optional Counterweight	
Unladen weight	
Weight and dimensions	
Wheelbase	у
Overall Operating Height - Fully Raised	h27
Height to Hinge Pin - Fully Raised	h28
Overall Height to top of ROPS	h17
Dump angle at full height	a5
Dump height	h29
Overall length with bucket	116
Dump reach - Full height	r6
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	
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)	
Vibration on bands /arms	

1650R Created on August 1, 2025 at 9:04 PM UTC

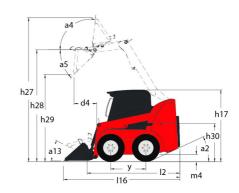
	Metric
	748 kg
	816.50 kg
	2796 kg
	988 mm
	3876 mm
	3023 mm
	1948 mm
	38 °
	2380 mm
	3101 mm
	579 mm
}	28 °
)	904 mm
	1544 mm
	1562 mm
	160 mm
	2385 mm
	21 °
3	1869 mm
	12.60 km/h
	19.50 km/h
	10.00 - 16 5 UD
	10.00 x 16.5 HD
	Yanmar
	Yanmar 4TNV88C-KMS
	Yanmar 4TNV88C-KMS 52 kW
	4TNV88C-KMS
	4TNV88C-KMS 52 kW 51 kW
	4TNV88C-KMS 52 kW
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 rpm
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 rpm Diesel
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 rpm Diesel 69.73 Hp
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 rpm Diesel 69.73 Hp 12 V
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 rpm Diesel 69.73 Hp 12 V 100 kW 3 kW
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 rpm Diesel 69.73 Hp 12 V 100 kW 3 kW
	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
	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
	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
	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
	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
	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
	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
	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
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 pm 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
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 rpm Diesel 69.73 Hp 12 V 100 kW 3 kW 207 bar 114 l/min 207 bar 62.50 l 62.50 l 41.60 l 3.30 l
	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 62.50 l 41.60 l 3.30 l 101 dB 85 dB 0.90 m/s²
	4TNV88C-KMS 52 kW 51 kW 241 Nm / 2500 rpm Diesel 69.73 Hp 12 V 100 kW 3 kW 207 bar 114 l/min 207 bar 62.50 l 62.50 l 41.60 l 3.30 l

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™ 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