Technical sheet:

1650R



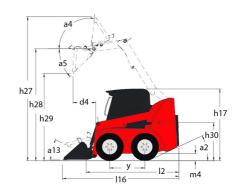


Rabed Opening Casacrity with Opinial Counterweight		1650R Greated on August 12, 2025 at 11.28 i	- IVI U I
Base Departing Capacity with Optional Counterweight	Capacities	Metric	
Unifacton wicight	Rated Operating Capacity	748 kg	
Weight and dimensions	Rated Operating Capacity with Optional Counterweight	816.50 kg	
Wheelbase y 988 mm Overall Operating height - fully flaised b.27 3876 mm Height to Hinge Pin - Fully Raised b.28 3023 mm Overall Felgh bit to toy of RDPS 117 1146 mm Dump negled at Unit height 55 38* Oung negled at Unit height 16 301 mm Oung negle - Full height will bucket 116 301 mm Dump negle - Full height 6 579 mm Blobback at ground height 6 579 mm Owner and height 180 994 mm Owerall width less bucket bit 1544 mm Blocket Width cl 1556 mm Blocket Width cl 1562 mm Blocket Width cl 1156 mm Blocket Width cl 1156 mm Blocket Width cl 1156 mm Clearnest Reduces md 160 mm Clearnest Reduces md 1100 mm Clearnest Reduces md 1100 mm Clearnest Reduces 118 180 mm	Unladen weight	2796 kg	
Decail of potential resign Frail Priseard	Weight and dimensions		
Overall Operating Height - Fully Baised h27 3376 mm Height bit Ringe Fin - Fully Baised h28 3922 mm Overall Height to op of RDPS h17 1948 mm Dump neight of full Height (spit) a5 38° Dump height h29 2286 mm Overall Height (spit) n6 579 mm Soliback et al ground a13 22° Sea to ground height h30 904 mm Overall which less bucket b1 1544 mm Overall which less bucket b1 1544 mm Overall length - Less Bucket b1 1544 mm Overall length - Less Bucket b2 22.3° Orwall length - Less Bucket b2 2.3° Departure angle a2 2.3° Clearance Relatus - Fortwish Bucket b3 1864 mm Performances b1 1550 km/h Travel Speed (unified) b1 1550 km/h Travel Speed (unified) b1 1550 km/h Performances b1 150 km/h Friend Spee	Wheelbase	y 988 mm	
	Overall Operating Height - Fully Raised		
Ownell Height to top of ROPS h17 1948 mm Dump neight full Height a5 38° Dump height h29 2280 mm Ownell Height with bucket l16 577 mm Boilback at ground a13 28° Seat to ground height h30 904 mm Ownell which less bucket b1 1544 mm Bucket Width e1 1542 mm Biomann Height e1 1542 mm Biomann Height e1 1542 mm Bioward Height e1 1548 mm Bioward Height e1 1548 mm Bioward Height e1 23 mm Bioward Height e2 21° Bioward Height e2 21°			
Dump alejal at full height a5 38* Overall length with bucket 116 3101 mm Overall length with bucket 16 579 mm Dump reach Full height 16 579 mm Bullback at ground height h30 90 em Overall width best bucket b1 1544 mm Bucket Width e1 1552 mm Ground clearance m4 160 mm Overall length - Less Bucket 12 2238 mm Departmer angle a2 21* Clearance Radius - Front with Bucket b18 1860 mm Portmenated b18 1860 mm Travel Speed (unidare) b18 1860 mm Travel Speed (unidare) b18 1860 mm Travel Speed (unidare) b1 1.00 km/h Enjile b1			
Dump height			
Ownall Length with bucket 116 310 mm Dump reach - Full height 16 579 mm Rollback at ground a13 28 ° Seat to ground height b10 1544 mm Bucket Width e1 1552 mm Ground cleasance m4 160 mm Overall length - Less Bucket 12 2285 mm Ueparture angle a2 21 ° Cleanance Radius - Front with bucket b18 1860 mm Performances			
Dump reach - Full height 6 5.79 mm Rollback at pround a13 28 ** Sex to ground height h30 9.04 mm Overall width less bucket b1 15.54 mm Bucket Width e1 15.52 mm Ground clearance m4 160 mm Overall leight - Less Bucket 12 2385 mm Departure angle a2 21 ** Clearance Redius - Front with Bucket b18 1869 mm Performances b18 1869 mm Travel speed (unluden) 12.60 km/h 15.05 km/h Travel speed with Two Speed Option - Maximum 12.60 km/h 15.05 km/h Wheels 10.00 x 16.5 HD 50 km/h Standard tires 10.00 x 16.5 HD 50 km/h Engine brand 41 km/km/km/km/km/km/km/km/km/km/km/km/km/k			
Rollback at ground a 13 28 ° Sear to ground height h30 904 mm Workall width less bucket b 1 1544 mm Bucket Width e 1 1552 mm Bucket Width e 1 1502 mm Ground clearance m4 160 mm Owerall eight - Less Bucket 12 2385 mm Departure angle a2 21 ° Clearance Radius - Front with Bucket b18 1869 mm Performances b18 1869 mm Performances b18 1869 mm Travel speed (unladen) 12.60 km/h Travel speed (unladen) 19.50 km/h Travel speed (unladen) 19.50 km/h Travel speed (unladen) 19.50 km/h Group of the Sead with Two Speed Option - Maximum 19.50 km/h Widels 19.50 km/h Standard little 10.00 x 16.5 HD English with Two Speed Option - Maximum 19.50 km/h Widels 10.00 x 16.5 HD English with Two Speed Option - Maximum 21 km/m Widels with Two	•		
Seat to gound height h30 904 mm Overall widh less bucket b1 1544 mm Stound clearance m4 1502 mm Orwall eight - Less Bucket 12 2385 mm Departure angle a2 21° Clearance Radius - Front with Bucket b18 1869 mm Performances 8 110 mm Performances 9 12.00 km/h Travel Speed (with flow's Speed Option - Maximum 19.50 km/h 19.50 km/h Wheels 10.00 x 16.5 HD 150 km/h Standard liese 10.00 x 16.5 HD 150 km/h Engine brand 4 4 NN880-4M/s 10.00 x 16.5 HD Engine brand 5 4 XM880-4M/s 10.00 x 16.5 HD 10.00 x 16.5 HD <td>· · · · · ·</td> <td></td> <td></td>	· · · · · ·		
Ownall width less bucket b1 1544 mm Bucket Width e1 1552 mm Ground clearance m4 160 mm Overall leight - Less Bucket 12 2835 mm Departure angle a2 21* Clearance Radius - Front with Bucket b18 1869 mm Performances Travel speed (unlader) 12.50 km/h Travel speed (unlader) 12.50 km/h Travel speed (unlader) 19.50 km/h Travel speed (with Two-Speed Option - Maximum 19.50 km/h Morels 10.00 x 16.5 HD Shadard fives 10.00 x 16.5 HD Engine 4TNV85C-KMS Shadard fives 4TNV85C-KMS Gross Power 5 kW Net Power 5 kW Net Power 5 kW Let Cengine totation 241 km / 2500 pm Power Soutce 5 kW Let Engine totation 97.3 hp Battery voltage 12 v Allemator 100 kW Starter 3 kW	•		
Bucket Wildth e1 1562 mm Ground clearence n4 160 mm Overall length - Less Bucket 12 2385 mm Departure angle a2 21 ° Clearance Radius - Front with Bucket b18 1869 mm Performances 12.260 km/h 17.200 km/h Travel Speed (unidaten) 15.50 km/h 15.50 km/h Travel Speed (unidaten) 15.50 km/h 15.50 km/h Travel Speed (unidaten) 10.00 x 16.5 HD 10.00 x 16.5 HD Gright 10.00 x 16.5 HD 10.00 x 16.5 HD 10.00 x 16.5 HD Gright 10.00 x 16.5 HD 10.00 x 16.5 HD <td>• •</td> <td></td> <td></td>	• •		
Ground clearance m4 160 mm Overall leight - Less Bucket 12 2385 mm Departure angle a2 21* Clearance Radius - Front with Bucket b18 1869 mm Performances Performances 12.60 km/h Travel speed (unladen) 19.50 km/h 19.50 km/h Travel Speed with Two-Speed Option - Maximum 19.50 km/h 19.50 km/h Wheels 10.00 x 16.5 HD 10.00 x 16.5 HD Engine Town of State			
Overall length - Less Bucket 22 21 ° Departure angle 22 21 ° Clearance Radius - Front with Bucket b18 1869 mm Priformances 12.60 km/h 12.60 km/h Travel Speed with Two Speed Option - Maximum 12.60 km/h 19.50 km/h Wheels 10.00 x 16.5 HD 10.00 x 16.5 HD Engine 10.00 x 16.5 HD 10.00 x 16.5 HD Engine band Yanmar Yanmar Engine band 4TNW38C-WAMS 50.00 x 16.5 HD Engine band 4TNW38C-WAMS 60.00 x 16.5 HD Engine band 4TNW38C-WAMS 60.00 x 16.5 HD Engine band 42.1 km / 2500 ym 62.4 kW In C. Engine proteins 66.73 Hp 66.73 Hp Enterpolice proteins 3 k			
Departure angle a2 21 * Clearance Radius - Front with Bucket 518 1869 mm Performances			
Clearance Radius - Front with Bucket 1869 mm Performances 12.60 km/h Travel speed (unladen) 19.50 km/h Travel Speed with Two-Speed Option - Maximum 19.50 km/h Wheels 8 Standard tires 10.00 x 16.5 HD Engine 4 Engine band Yanmar Engine band 4TNN86-CMS Gross Power 52 kW Net Power 52 kW Net Power 52 kW LC. Engine power tating 9.73 Hp State Square 9.74 Mp Hydraulic 9.75 Ap	•		
Performances 12.60 km/h Travel Speed (unladen) 19.50 km/h Travel Speed (with Two-Speed Option - Maximum 19.50 km/h Wheels 10.00 x 16.5 HD Standard tires 10.00 x 16.5 HD Engine brand 4ThV880-KMS Engine model 4ThV880-KMS Gross Power 5 kW Net Power 5 kW Net Power source Diesel LC. Engine powerating 69.73 Hp Battery voltage 12 V Altemator 3 kW Standard flow - Auxillary hydraulics 71.40 l/min Auxillary hydraulics Pressure 207 bar High-Flow Auxillary hydraulics Pressure - Option 200 bar Trank capacities 62.50 l Fuel tank 6.250 l Hydraulic Interception 3.30 l Fuel tank 6.250 l Hydraulics Pressure - Option 3.30 l Fuel tank 6.250 l Hydraulic Respective Comment (LwA) 3.30 l Noise and vibration 3.30 l Noise end vibration 85 d8			
Travel speed (unladen) 12.60 km/h Travel Speed with Two-Speed Option - Maximum 19.50 km/h Wheels 10.00 x 16.5 HD Standard tires 10.00 x 16.5 HD Engine		D18 1869 mm	
Travel Speed with Two-Speed Option - Maximum 19.50 km/h Wheels Commender Engine Commender Engine brand ATMINISTRACE ANDAS Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 pm Power source Diesel LC. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 100 kW Starter 3 kW Hydraulics 12 V Standard flow - Auxiliary hydraulics - Option 12 V Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary hydraulics - Option 207 bar High-Flow Auxiliary hydraulics - Option 200 bar Tank capacities 114 //min Fluid Iank 2.50 li Fluid Iank 2.50 li Total Capacities 2.50 li Fluid Iank 2.50 li			
Wheels 10.00 x 16.5 HD Standard tities 10.00 x 16.5 HD Engine Commode Engine model 4TNV88C-KMS Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel I.C. Engine power rating 69.73 Hp Batlery voltage 12 V Alternator 3 kW Standard flow - Auxiliary hydraulics 3 kW Hydraulics 207 bar Standard flow - Auxiliary hydraulics - Option 211 4 /min High-Flow Auxiliary hydraulics - Option 270 bar High-Flow Auxiliary Hydraulics - Option 200 bar Fuel tank 62.50 I Hydraulic specialities 62.50 I Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise and wibration 101 dB Noise a to environment (LwA) 101 dB Noise a to environment (LyA) 55 dB Whole-Body Vibration (ISO 2631-1) 9	,		
Standard tities 10.00 x 16.5 HD Engine Commender Engine brand 4TNV88C+KMS Engine model 52 kW Gross Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel I.C. Engine power rating 69.73 Hp Battery voltage 12 V Altemator 3 kW Starter 3 kW Hydraulics 100 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulics Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 114 l/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities 62.50 I Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise at driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 6.90 m/s²		19.50 km/h	
Engine Yannar Engine brande Yannar Engine model 4TNV88C-KMS Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel LC. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 100 kW Starter 3 kW Hydraulics 3 kW Starty 4 1.00 l/min Auxillary hydraulics - Sesure 207 bar High-Flow Auxillary hydraulics - Option 200 bar High-Flow Auxillary Hydraulics - Option 200 bar High-Flow Auxillary Hydraulics Pressure - Option 200 bar Fank capacities 62.50 l Fuel tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and vibration 3.30 l Noise and vibration 85.68 Whole-Body Vibration (ISO 2631-1) 0.90 m/s²			
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 Diesel LC. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 100 kW Starder 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics 207 bar High-Flow Auxiliary hydraulics Pessure 207 bar High-Flow Auxiliary hydraulics Pressure - Option 200 bar Tank capacities 200 bar Tell tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and whation 101 dB Noise at driving position (LpA) 85 dB Whole-Body Wbration (ISO 2631-1) 0.90 m/s²		10.00 x 16.5 HD	
Engine model 4TNV88C-KMS Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 pm Power source Diesel LC. Engine power rating 69.73 Hp Battery voltage 12 V Altemator 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics Pessure 207 bar High-Flow Auxiliary hydraulics Pessure 207 bar High-Flow Auxiliary Hydraulics - Option 214 l/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities 200 bar Teul tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and vibration 101 dB Noise at driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²			
Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 km / 2500 rpm Power source Diesel LC. Engine power rating 69.73 kp Battery voltage 12 V Altemator 3 kW Starter 3 kW Hydraulics 71.40 l/min Auxiliary hydraulics Pessure 207 bar High-Flow Auxiliary hydraulics - Option 200 bar Flugh-Flow Auxiliary hydraulics Pressure - Option 200 bar Fuel tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and vibration 3.30 l Noise on environment (LwA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²	•		
Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel I.C. Engine power rating 69.73 Hp Battery voltage 12 V Altemator 100 kW Starter 3 kW Hydraulics	-		
Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel L.C. Engine power rating 69,73 Hp Battery voltage 12 V Altemator 100 kW Starter 3 kW Hydraulics 207 bar Standard flow - Auxiliary hydraulics - Pessure 207 bar High-Flow Auxiliary Hydraulics - Option 114 l/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tark capacities 50 L Fuel tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and vibration 101 dB Noise and vibration 85 dB Whole-Body Vibration (IsO 2631-1) 0.90 m/s²			
Power source Diesel I.C. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 100 kW Starter 3 kW Hydraulics 71.40 I/min Auxiliary Hydraulics Pessure 207 bar High-Flow Auxiliary Hydraulics - Option 114 I/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities 62.50 I Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise at driving position (LwA) 101 dB Noise to environment (LwA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²	Net Power		
L.C. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 100 kW Starter 3 kW Hydraulics	Max. torque / Engine rotation	241 Nm / 2500 rpm	
Battery voltage 12 V Altemator 100 kW Starter 3 kW Hydraulics	Power source	Diesel	
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 5 level tank 6 c2.50 l Hydraulic tank capacity 6 c2.50 l Displacement 8 december Noise and vibration 101 dB Noise and driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 6 100 kW	I.C. Engine power rating	69.73 Hp	
Starter 3 kW Hydraulics Standard flow - Auxiliary hydraulics Auxiliary Hydraulic Pressure High-Flow Auxiliary Hydraulics - Option High-Flow Auxiliary Hydraulics Pressure - Option High-Flow Auxiliary Hydraulics Pressure - Option Tank capacities Fuel tank Hydraulic tank capacity Fuel tank capacity Displacement Noise and vibration Noise and vibration Noise at driving position (LpA) Whole-Body Vibration (ISO 2631-1)	Battery voltage	12 V	
Hydraulics Common standard flow - Auxiliary hydraulics T1.40 I/min Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 114 I/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities 500 bar Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise and vibration 101 dB Noise to environment (LwA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²	Alternator	100 kW	
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 ————————————————————————————————————	Starter	3 kW	
Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 114 l/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities ————————————————————————————————————	Hydraulics		
High-Flow Auxiliary Hydraulics - Option 114 I/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities State of Earth State of	Standard flow - Auxiliary hydraulics	71.40 l/min	
High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities ————————————————————————————————————	Auxiliary Hydraulic Pressure	207 bar	
Tank capacities 62.50 I Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise and vibration 80 Noise to environment (LwA) 101 dB Noise at driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²	High-Flow Auxiliary Hydraulics - Option	114 l/min	
Tank capacities 62.50 I Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise and vibration 50.00 m/s² Noise at driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²	High-Flow Auxiliary Hydraulics Pressure - Option	200 bar	
Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise and vibration State of the environment (LwA) Noise at driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²			
Displacement 3.30 I Noise and vibration US Noise to environment (LwA) 101 dB Noise at driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²	Fuel tank	62.50	
Displacement 3.30 I Noise and vibration US Noise to environment (LwA) 101 dB Noise at driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²			
Noise and vibration 101 dB Noise to environment (LwA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²			
Noise to environment (LWA) 101 dB Noise at driving position (LpA) 85 dB Whole-Body Vibration (ISO 2631-1) 0.90 m/s²	· ·	0.001	
Noise at driving position (LpA) Whole-Body Vibration (ISO 2631-1) 0.90 m/s ²		101 dR	
Whole-Body Vibration (ISO 2631-1) 0.90 m/s ²			
	Vibration on hands/arms		

1650R - Dimensional drawing







Equipment

Integral Access Plate (removable)	Standard
Lifting function	Statiualu
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
High-Flow Auxiliary Hydraulics	Optional
Power-A-Tach® Attachment Mounting System	Optional
Lighting	Орионан
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	Ondianal
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 Control of the Control	
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