Technical sheet:

1050R



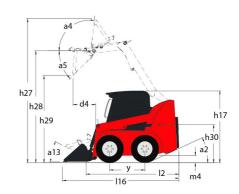


African Afri	1050R Created on 19 May 2024		reated on 19 May 2024 at 8:33:09 UTC
African Afri	Capacities		Metric
SSS 16 Intrinder weight Intrinder Par = Fully Parted Int	Rated Operating Capacity		476 kg
Waight and dimensations	Rated Operating Capacity with Optional Counterweight		533 kg
Devail Operating Height - Fully Plaised 127 3546 mm -	Unladen weight		1905 kg
Devail Operating Height - Fully Plaised 127 3546 mm -	Weight and dimensions		
Neight on things Pon - Fully Statest 1746 mm 1746	Overall Operating Height - Fully Raised	h27	3546 mm
Oweal Height to por RDPS h17 1786 mm Dump height 55 42° Dump height h29 2146 mm Oveal I ful height 15 2995 mm Dump height 16 579 mm Bollabek at ground a13 20° Seat to ground height h80 628 mm Wheelbase y 976 mm Owerall width betweet b1 1229 mm Bucket Width e1 104 mm Ground clearance m4 152 mm Overall leigh - Less Bucket b1 122 mm Overall leigh - Less Bucket b18 1763 mm Overall leigh - Less Bucket b18 1720 mm Olesance Circle - Fiort without Bucket b18 1720		h28	2746 mm
Dumy helight h.29 2146 mm Dumy healight with bucket 116 2998 mm Dumy neach - Full height 16 579 mm Southook at ground a13 20 * Seat to ground height h30 828 mm Wheelbase y 87 mm Overall width less bucket b1 1229 mm Bould width e1 1404 mm Bound clearance m4 152 mm Bound clearance m4 152 mm Bound clearance Roller 12 255 mm Clearance Citile - Font with Bucket b18 1175 mm Clearance Citile - Font without Bucket b18 1175 mm Clearance Citile - Font without Bucket b19 1120 mm Clearance Citile - Font without Bucket b19 1320 mm Clearance Citile - Font without Bucket b19 1320 mm Clearance Citile - Font without Bucket b19 1320 mm Clearance Citile - Font without Bucket 29.00 km/h 1200 mm Clearance Citile - Font without Bucket 29.00 km/h	Overall Height to top of ROPS	h17	1786 mm
Dump helight b.29 2.146 mm Oemall length with bucket 116 2.896 mm Commander Full height 16 579 mm Sollabed is dyound a13 20 ** Sact to ground height h50 3828 mm Wheelbase y 87 mm Owerall width less bucket b1 1229 mm Bucket Width e1 1128 mm Bucket Width e1 1229 mm Bucket Width e1 1228 mm Bucket Width e1 1228 mm Bucket Width e1 1228 mm Count length - Less Bucket 12 2258 mm Use Less Bucket 18 1745 mm Clearance Citicle - Feat without Bucket b18 1745 mm Clearance Citicle - Feat without Bucket b18 1745 mm Clearance Citicle - Feat without Bucket b19 1220 mm Clearance Citicle - Feat without Bucket b18 1745 mm Clearance Citicle - Feat without Bucket b18 1745 mm Clearance Citicle - Feat without		a5	42 °
Overall length with backet 116 2896 mm Dump neach - Full helght 6 579 mm Mollbock at ground helght 1830 828 mm Wheelbase y 876 mm Overall width less bucket b1 1229 mm Bucket Width e1 1404 mm Gound cleanance m4 152 mm Overall length - Less Bucket 12 2 258 mm Departme angle 32 26 ° Cleanance Ginel - Front with Bucket b18 1733 mm Cleanance Ginel - Front without Subcet b19 11320 mm Cleanance Ginel - Front without Subcet b19 11720 mm Cleanance Ginel - Front without Subcet b19 11720 mm Cleanance Ginel - Front without Subcet b19 11720 mm Cleanance Ginel - Front without Subcet b19 11720 mm Cleanance Ginel - Front without Subcet b18 7178 5175 HD Whele All Subcet (Sinch Subcet) 9.50 km/h 800 km/h Whele All Subcet (Sinch Subcet) 2718 515 HD 80 km/h Eignine norm <td></td> <td>h29</td> <td>2146 mm</td>		h29	2146 mm
Dump mach - Full height 65 579 mm Reliblack at ground a13 29 ° Seat to ground height h30 828 mm Wheelbase y 876 mm Wheelbase j 16 1229 mm Buchet Width e1 1044 mm 600 mm 1229 mm Buchet Width e1 122 mm 2258 mm 122 mm 228 mm 26 ° 122 mm 22 mm 26 ° 120 mm 120 mm <td></td> <td></td> <td></td>			
Reliback at ground Reliback at ground Reliback at ground height Recibace			
Seat to ground height h30 828 mm Wheelbase y 876 mm Woerall width less bucket b1 1229 mm Bucket Width e1 11404 mm Ground clearance m4 152 mm Overall enght - Less Bucket I2 2258 mm Departure angle a2 26 ° Clearance Relaties - Front with Bucket b18 1763 mm Clearance Circle - Front wibout Bucket b18 1753 mm Clearance Circle - Front wibout Bucket b19 1120 mm Clearance Circle - Front wibout Bucket b19 1120 mm Clearance Circle - Front wibout Bucket b19 1120 mm Clearance Circle - Front wibout Bucket b19 1120 mm Clearance Circle - Front wibout Bucket b19 1120 mm Clearance Circle - Front wibout Bucket b19 1120 mm Clearance Circle - Front wibout Bucket b19 1120 mm Clearance Circle - Front wibout Bucket b19 1120 mm Clearance Circle - Front wibout Bucket 278.5 x 5x	•		
Wheelbase y 876 mm Overall width less bucket b1 1229 mm Bucket Width e1 1404 mm Ground clearance m4 152 mm Overall length - Less Bucket 12 2258 mm Departure angle a2 2 25 mm Departure angle b18 1763 mm Clearance Circle - Front without Bucket b18 1763 mm Clearance Circle - Front without Bucket b18 1753 mm Clearance Circle - Front without Bucket b18 1753 mm Clearance Circle - Pear wa1 1374 mm Professor wa1 1374 mm Professor wa1 374 mm Broff Order Special Style	•		
Owarall width less bucket b1 1229 mm Bucket Width e1 1404 mm Ground clearance m4 152 mm Overall leight - Less Bucket 12 2258 mm Departure angle a2 2 6 ° Clearance Rolling - Front with Bucket b18 1753 mm Clearance Circle - Front with Bucket b18 1753 mm Clearance Circle - Front with Bucket b19 1120 mm Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Front without Bucket wa1 1374 mm Clearance Circle - Front without Bucket wa1 1374 mm Clearance Circle - Front without Bucket wa1 1374 mm Clearance Circle - Front without Bucket wa1 1374 mm Clearance Circle - Front without Bucket wa1 1374 mm Clearance Circle - Front without Bucket wa1 1374 mm Clearance Circle - Front without Bucket wa1 1374 mm Clearance Circle - Front without Bucket wa1 1374 mm Clearance Circle - Front without Bucket 2736 km			
Bucket Width e1 1404 mm Ground clearance m4 152 mm Overall length - Less Bucket i2 225 mm Departure angle a2 26 * Clearance Rollus - Front with Bucket b18 1783 mm Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Rear ws1 1374 mm PROFROMANCES ws1 1374 mm Travel speed (unidaten) 9.50 km/h Wheels 27x8.5x15 HD Engine 7xmmar 100 km/h Engine nome 374 New 100 km/h Engine nomed! 374 New 100 km/h Engine nomed! 354 New 100 km/h Engine nome 25.50 kW 100 km/h Net Power 25.50 kW 100 km/h Net Power 25.50 kW 100 km/h Net Power 25.50 kW 100 km/h L. Engine power tarting 100 km/h States you flage 112 V Alternator 40 kW Standar			
Ground clearance m4 152 mm Overall leagh 1-Less Bucket 12 2525 mm Departure angle a2 26 * Clearance Radius - Front with Bucket b18 1763 mm Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Rear wa1 1374 mm Performances wa1 1374 mm Truck speed (unladen) wa1 278.8.515 HD Wheels 278.8.515 HD 150 mm Standard flies 278.8.515 HD 278.8.515 HD Engine 74 mm 74 mm Engine band 31 Vannar 74 mm Engine band 31 Vannar 74 mm Engine band 31 Vannar 74 mm Engine model 31 Vannar 74 mm Engine band 25.50 kW 24.70 kW Max. torque / Engine rotation 108 mm / 2800 pm Power Source 24.70 kW 24.70 kW Alternator 34.20 Hp 34.20 Hp Stander 40 kW 2.30 kW			
Overall length - Less Bucket 12 258 mm Departure angle a2 26 ° Clearance Clorle - Front with Bucket b18 1763 mm Clearance Clorle - Front without Bucket b19 1120 mm Clearance Clorle - Rear wa1 1374 mm Performances wa1 1374 mm Trovel speed (unladen) wa1			
Departure angle a2 26 * Clearance Radius - Front with Bucket b18 1758 mm Clearance Cicle - Rear b19 1120 mm Clearance Cicle - Rear wa1 1374 mm Performances ***********************************			
Clearance Radius - Front with Bucket b18 1763 mm Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Front without Bucket wa1 1374 mm Reformances	-		
Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Rear wa1 1374 mm Performances ————————————————————————————————————	•		
Clearance Circle - Rear wal 1374 mm Performances			
Performances 9.50 km/h Travel speed (unladen) 9.50 km/h Wheels 27x8.5x15 HD Engine 27x8.5x15 HD Engine brand Yanmar Engine momel 317w8sc-MMSV Engine mom Stage V, Tier 4 Gross Power 2.5.50 kW Net Power 2.4.70 kW Max. torque / Engine rotation 108 Nm / 2800 rpm Power source Diesel Cl. Engine power rating 34.20 Hp Battery voltage 12 V Attenator 40 kW Starder 40 kW Hydraulics 55.10 /min Standard flow - Auxiliary hydraulicy Pressure 189.60 bar Tank capacities 39.40 I Fiel tank 39.40 I Hydraulic oil tank capacity 30.30 I Displacement 9.00 B Noise and vibration 101 dB Noise and vibration 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²			
Travel speed (unladen) 9.50 km/h Wheels Common Cengine Engine brand 3TN/NBC-MMSV Engine model 3TN/NBC-MMSV Engine norm Stage V Tier 4 Gross Power 25.50 kW Net Power 24.70 kW Max. torque / Engine rotation 108 km / 2800 rpm Power source Diesel LC. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics 55.10 l/min Standard flow - Auxiliary hydraulics 55.10 l/min Auxiliary hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 1.60 l Noise and wibration 80 dB Whole-Body Vibration (ISO 2631-1) 80 dB		wal	13/4 mm
Wheels 27x8.5x15 HD Standard tities 27x8.5x15 HD Engine Characteristics Engine brand Yanmar Engine model 3TNV88C-KMSV Engine norm Stage V Tier 4 Gross Power 25.50 kW Net Power 24.70 kW Max. torque / Engine rotation 108 Nm / 2800 rpm Power source Diesel LC. Engine power rating 34.20 Hp Battery woltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulic Standard flow - Auxiliary hydraulics 55.10 l/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic cil tank capacity 30.30 l Displacement 1.60 l Noise and wibration 101 dB Noise a driving postition (LpA) 80 dB Whole-Body Vibration (ISO 2631-1) 8.81 m/s²			2.501
Standard tires 27x8.5x15 HD Engine Commode Engine home Stage V, Tier 4 Gross Power Stage V, Tier 4 Gross Power 25.50 kW Net Power 24.70 kW Max. torque / Engine rotation 108 Nm / 2800 rpm Power source Diesel LC. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics 55.10 l/min Auxiliary Hydraulic Pessure 189.60 bar Tank capacities 39.40 I Fuel tank 39.40 I Hydraulic oil tank capacity 30.30 I Displacement 1.60 I Noise and wibration 1.60 I Noise en environment (LWA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²			9.50 km/h
Engine Yanmar Engine brand 3TNV88C-KMSV Engine model 3TNV88C-KMSV Engine norm Stage V, Tier 4 Gross Power 25.50 kW Net Power 24.70 kW Max. toque / Engine rotation 108 km / 2800 rpm Power source Diesel L.C. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics 55.10 l/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 1.60 l Noise at driving position (LpA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²			
Engine brand Yanmar Engine model 3TNN88C-KMSV Engine norm Stage V, Tier 4 Gross Power 25.50 kW Net Power 24.70 kW Max. torque / Engine rotation 108 Nm / 2800 rpm Power source Diesel C. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics 55.10 L/min Auxiliary Hydraulics 55.10 L/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 30.30 l Noise and vibration 1.60 l Noise at driving position (LpA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²			27x8.5x15 HD
Engine model 3TNV88C-KMSV Engine norm Stage V, Tier 4 Gross Power 25,50 kW Net Power 24,70 kW Max. torque / Engine rotation 108 Nn / 2800 rpm Power source Diesel LC. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 40 kW Hydraulics 55.10 l/min Auxiliary hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 1.60 l Noise and vibration 101 dB Noise a d fiving position (LpA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²			
Engine norm Stage V, Tier 4 Gross Power 25.50 kW Net Power 24.70 kW Max. torque / Engine rotation 108 Nm / 2800 rpm Power source Diesel L.C. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics 55.10 l/min Standard flow- Auxiliary hydraulics Pressure 55.10 l/min Auxiliary hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 30.30 l Noise and vibration 1.60 l Noise to environment (LwA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	•		
Gross Power 25.50 kW Net Power 24.70 kW Max. torque / Engine rotation 108 Nm / 2800 rpm Power source Diesel LC. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics 55.10 l/min Standard flow - Auxiliary hydraulics 55.10 l/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 30.30 l Noise and vilvation 1.60 l Noise to environment (LwA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	•		
Net Power 24.70 kW Max. torque / Engine rotation 108 Nm / 2800 rpm Power source Diesel L.C. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 40 kW Hydraulics 55.10 l/min Standard flow - Auxiliary hydraulics 55.10 l/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 1.60 l Noise and vibration 101 dB Noise to environment (LwA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	•		2 '
Max. torque / Engine rotation 108 Nm / 2800 rpm Power source Diesel L.C. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 40 kW Hydraulics 55.10 l/min Standard flow - Auxiliary hydraulics 55.10 l/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 1.60 l Noise and vibration 101 dB Noise to environment (LwA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Gross Power		
Power source Diesel I.C. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics	Net Power		
I.C. Engine power rating 34.20 Hp Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics 55.10 I/min Standard flow - Auxiliary hydraulics 189.60 bar Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 I Fuel tank 39.40 I Hydraulic oil tank capacity 30.30 I Displacement 1.60 I Noise and vibration 101 dB Noise to environment (LwA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Max. torque / Engine rotation		108 Nm / 2800 rpm
Battery voltage 12 V Alternator 40 kW Starter 2.30 kW Hydraulics 55.10 l/min Standard flow - Auxiliary hydraulics 55.10 l/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 1.60 l Noise and vibration 101 dB Noise to environment (LwA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Power source		Diesel
Altemator 40 kW Starter 2.30 kW Hydraulics Standard flow - Auxiliary hydraulics 55.10 I/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities Fuel tank 39.40 I Hydraulic oil tank capacity 30.30 I Displacement 1.60 I Noise and vibration Noise to environment (LwA) Noise at driving position (LpA) Whole-Body Vibration (ISO 2631-1) 40 kW 40 kW	I.C. Engine power rating		•
Starter 2.30 kW Hydraulics 55.10 l/min Standard flow - Auxiliary hydraulics 189.60 bar Tank capacities 8 Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 1.60 l Noise and vibration 101 dB Noise to environment (LwA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Battery voltage		12 V
Hydraulics 55.10 l/min Standard flow - Auxiliary hydraulics 55.10 l/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities 39.40 l Fuel tank 39.40 l Hydraulic oil tank capacity 30.30 l Displacement 1.60 l Noise and vibration 101 dB Noise to environment (LwA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Alternator		40 kW
Standard flow - Auxiliary hydraulics 55.10 l/min Auxiliary Hydraulic Pressure 189.60 bar Tank capacities	Starter		2.30 kW
Auxiliary Hydraulic Pressure 189.60 bar Tank capacities Fuel tank Hydraulic oil tank capacity 30.30 l Displacement Noise and vibration Noise to environment (LwA) Noise at driving position (LpA) Whole-Body Vibration (ISO 2631-1) 189.60 bar 199.40 l 39.40 l 39.40 l 39.40 l 30.30 l 10.60 l 10.60 l 80 dB	Hydraulics		
Tank capacities Fuel tank 39.40 I Hydraulic oil tank capacity 30.30 I Displacement 1.60 I Noise and vibration Using the convironment (LwA) Noise at driving position (LpA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Standard flow - Auxiliary hydraulics		55.10 l/min
Fuel tank 39.40 I Hydraulic oil tank capacity 30.30 I Displacement 1.60 I Noise and vibration	Auxiliary Hydraulic Pressure		189.60 bar
Hydraulic oil tank capacity 30.30 I Displacement 1.60 I Noise and vibration Use to environment (LwA) Noise at driving position (LpA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Tank capacities		
1.60 Noise and vibration	Fuel tank		39.40 l
1.60 Noise and vibration	Hydraulic oil tank capacity		
Noise and vibration Noise to environment (LwA) Noise at driving position (LpA) Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Displacement		
Noise to environment (LwA) 101 dB Noise at driving position (LpA) 80 dB Whole-Body Vibration (ISO 2631-1) 0.81 m/s²	Noise and vibration		
Noise at driving position (LpA) Whole-Body Vibration (ISO 2631-1) 0.81 m/s ²			101 dB
Whole-Body Vibration (ISO 2631-1) 0.81 m/s ²			
	-, ,,,		
	Vibration on hands/arms		< 0.93 m/s²

1050R - Dimensional drawing







Equipment

-	
Integral Access Plate (removable)	Standard
Lifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
Lighting	
Work Lights - Front and Rear	Standard
Motorization/Power	
Engine Block Heater	Standard
Operator station	
Cab Enclosure	Optional
Foot and Hand Throttles 2	Standard
Gehl T-Bar Controls	Standard
Hand/Foot Controls	Standard
Heating	Optional
High-Back Adjustable Seat	Standard
Hom	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
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