Technical sheet:

1950RT





Capacities		1950RT Created on September 9, 2025 at 8:11 PM	UIC
Unidam weight 124 kg 124	Capacities	Metric	
Operating Capacity At 50% Tipping Load Integrity and Capacity At 50% Tipping Capacity Seed Integrity and Capacity Seed Integrity Fally Raised Integrity Fally Raised Integrity At 50% English and Capacity Seed Integrity At 50% English Fally Raised Integrity At 50% English Raised Integrity At 50% Engl	Operating Weight	3697 kg	
Toping apacity September	Unladen weight	3422 kg	
Neval of dimensions	Operating Capacity At 50% Tipping Load	1264 kg	
Overall Operating Height - Fully Raised h27 4018 mm Height to Hinge Pin - Fully Raised h28 3048 mm Dump reach - Full Height 6 648 mm Dump agele at full height a5 39* Overall Height with bucket 116 3229 mm Departure angle a2 27* Ground clearance m4 188 mm Bucket Width 61 1778 mm Deceasing Redus - Front with Bucket 61 1778 mm Engine Deard 51 Yes mane Engine Brand 52 41Nime 2500 pm Lo. Engine powerating - Power 68.40 Hz 51 kW Battery vollage 52 68.40 Hz 51 kW Acce	Tipping capacity	2527 kg	
Height to Hinge Pin - Fully Raised h28 3048 mm Dump cash - Full height i6 648 mm Dump angle at Ith height a5 33° Overall length with bucket i16 3229 mm Departure angle m4 188 mm Overall widh less bucket b1 1746 mm Sucket Widh e1 1778 mm Clearance Radius - Front with Bucket b18 2063 mm Engine brand b18 2063 mm Engine brand b18 2063 mm Engine brand s1 4TAN98C-MMSZV Engine brand s2 4TAN98C-MMSZV Engine power ating - Power s241 km g 2500 pm LC. Engine power ating - Power s241 km g 2500 pm LC. Engine power ating - Power s241 km g 2500 pm LC. Engine power ating - Power s241 km g 2500 pm LC. Engine power ating - Power s2 122 V Accessory plug s2 122 V Accessory plug s2 172 V Alternacy - Agree at the second of the second of the second of the second of the seco	Weight and dimensions		
Dump reach Full height 16 648 mm Dump age at full height 35 39° Overall Height with bucket 116 3279 mm Departure angle 22 27° Gound clearance md 1888 mm Overall width less bucket b1 1746 mm Bucket Width b1 1778 mm Clearance Radius - Front with Bucket b1 200 mm Engine b1 300 mm Engine b1 470 mm Engine model 4 470 mm Mex. Young - Engine rotation 241 mm 250 mm Mex. Longue - Engine rotation 241 mm 250 mm Mex. Longue - Engine rotation 241 mm 250 mm Mex. Longue - Engine rotation 241 mm 250 mm Mex. Longue - Engine rotation 241 mm 250 mm Mex. Longue - Engine rotation 241 mm 250 mm Mex. Longue - Engine rotation 241 mm 250 mm Accessory plug 360 mm 360 mm Helphanter - Ampere 360	Overall Operating Height - Fully Raised	h27 4018 mm	
Dump angle at full height a5 39° Overall length with bucket 16 327° mm Cound clearance a2 27° Ground clearance mbd 188 mm Overall width less bucket bb 1774 mm Bucket Width e1 1778 mm Bucket Width b18 2055 mm Engine b18 2055 mm Engine brand 518 Yannar Engine brand 518 Yannar Engine brand 518 W 4170% mm Not brown 518 W 4170% mm Max. torque / Engine rotation 52 4170 Mm LC. Engine power rating - Power 58.40 Hp / 51 kW Battery voltage 52 68.40 Hp / 51 kW Accessory plug 512 12 V Accessory plug 5 12 V Tansmission type 5 12 V Tansmission type 5 71 1/min Auxiliary hydraulics Pessure 5 330 bar High-Flow Auxiliary hydraulics Pressure - Option<	Height to Hinge Pin - Fully Raised	h28 3048 mm	
Overall length with bucket 116 327 mm Departue anegle 22 27 ° Gound clearance m4 188 mm Overall width less bucket b1 1746 mm Bucket Width b1 1778 mm Clearance Radius - Front with Bucket b18 2053 mm Engine b18 2053 mm Engine brand b18 2053 mm Engine brand b18 2053 mm Engine brand 5 4TNV98C-NMS2V Net Power 21 Mm @ 2500 pm 4TNV98C-NMS2V Net Power 21 Mm @ 2500 pm 21 Mm 2500 pm Esting in rotation 2 12 V 24 Mm 2500 pm	Dump reach - Full height	r6 648 mm	
Departure angle 82 27 ° Ground Clearance m4 188 mm Overall width less bucket b1 1746 mm Bucket Width e1 17778 mm Clearance Radius - Front with Bucket b18 2053 mm Engine b18 2053 mm Engine brand TYanmar 4Th Yanmar Engine brodel \$1 KM 4Th Yanner Net Power \$1 KM 241 km @ 2500 pm Net Power \$1 KW 241 km @ 2500 pm Not Et power rating - Power \$1 Y 424 km @ 2500 pm Battery voltage \$1 Y 424 km Accessory plug \$1 Y2V 424 km Accessory plug \$1 Y2V 424 km Alternation \$1 Y2V 424 km Tansamission \$1 Y2V 424 km Standard flow - Auxillary hydrallics \$300 bar High-Flow Auxillary hydrallics - Option \$300 bar High-Flow Auxillary hydrallics Pessure - Option \$300 bar Full ack \$5.70 in Liquid cooling tank vo	Dump angle at full height	a5 39 °	
Ground clearance m4 188 mm Overall width less bucket b1 1774 mm Bucket Width e1 1778 mm Clearance Radius - Front with Bucket b18 2003 mm Engine b18 2003 mm Engine brad 6 4 TANURSCAMISSV Engine model 4 4 TANURSCAMISSV Net Power 421 Nm g250 gm 421 Nm g250 gm Max. torque / Engine totation 2 68 40 Hp / 51 kW Battery voltage 12 V 421 Nm g250 gm Accessory plug 12 V 68 40 Hp / 51 kW Battery voltage 12 V 68 40 Hp / 51 kW Accessory plug 12 V 12 V Accessory plug 12 V 12 V Alternative - Ampere 12 V 12 V Tansmission 12 V 12 V Accessory plug 19 Hydrostatic 13 Jm Viginalities 19 Hydrostatic 11 Jmin Tansmission type 19 Hydrostatic 11 Jmin Auxiliary Hydraulics - Pessure - Option 2 <td>Overall length with bucket</td> <td>l16 3279 mm</td> <td></td>	Overall length with bucket	l16 3279 mm	
Overall width less bucket b1 1746 mm Bucket Width e1 1778 mm Clearance Radius - Front with Bucket b18 2003 mm Engine 6 2003 mm Engine 6 Yanmar Engine brand 5 Yanmar Engine model 5 Ary Many Max. torque / Engine rotation 2 241 Nm @ 2500 pm No. Engine power rating - Power 2 368.04 Bp/ 51 kW Battery voltage 12 V 6 Accessory plug 12 V 6 Accessory plug 12 V 12 V Accessory plug 100 A 12 V Alternation- Ampere 100 A 12 V Instantisation type 100 A 12 V Standard flow - Auxiliary hydraulics 1 Hydrostatic 1 Hydrostatic Injection Auxiliary hydraulics - Option 2 330 bar 1 Hydrostatic High-Flow Auxiliary hydraulics - Option 2 350 bar 1 Hydrostatic High-Flow Auxiliary hydraulics - Option 2 350 bar	Departure angle	a2 27 °	
Bucket Width e1 1778 mm Clearace Radius - Font with Bucket b18 2663 mm Engine Cereating Cereating Engine model Yanmar 4TNV98C-NMS2V Net Power 5 51 kW Max. torque / Engine trolation 241 Nm @ 2500 pm LC. Engine power rating - Power 241 Nm @ 2500 pm LC. Engine power rating - Power 242 V Accessory Jug Accessory plug 12 V 12 V Accessory plug 100 A 12 V Altemator - Ampere 2 100 A Transmission type 8 Hydrostlic Standard flow - Auxiliary hydraulics 4 Hydrostlic Auxiliary hydraulic - Pessure 8 111 J/min High-Flow Auxiliary hydraulics - Option 2 380 bar High-Flow Auxiliary hydraulics - Pressure - Option 2 313 l/min High-Flow Auxiliary hydraulics - Option 2 35 l High-Flow Auxiliary hydraulics - Option 3 3 High-Flow Auxiliary hydraulics - Option 3 3 <t< td=""><td>Ground clearance</td><td>m4 188 mm</td><td></td></t<>	Ground clearance	m4 188 mm	
Clearance Radius - Front with Bucket 518 2063 mm Engine Command Command Engine model 4TNV98C-NM52V Net Power 51 kW Max. torque / Engine rotation 241 km @ 2500 rpm LC. Engine power rating - Power 68.40 Hp / 51 kW Battery voltage 12 V Accessory Divage 12 V Alternator - Ampere 9 120 V Transmission type W Hydraulics 9 Hydrostatic Standard flow - Auxiliary hydraulics Pessure 9 Hydrostatic Auxiliary Hydraulics - Option 9 380 bar High-Flow Auxiliary Hydraulics - Option 9 1131 J/min High-Flow Auxiliary Hydraulics - Option 9 380 bar Hydrostatic 9 380 bar High-Flow Auxiliary Hydraulics - Option 9 380 bar Hydrostatic 9 380 bar Hydrostatic 9 380 bar Hydrostatic <t< td=""><td>Overall width less bucket</td><td>b1 1746 mm</td><td></td></t<>	Overall width less bucket	b1 1746 mm	
Engine Yanmar Engine brand Yanmar Engine model 4TNV98C-NMS2V Net Power 51 kW Max. torque / Engine rotation 241 Nm @ 2500 rpm LC. Engine power rating - Power 68.40 Hp / 51 kW Battery voltage 12 V Accessory plug 120 V Altemator - Ampere 100 A Teansmission Hydraulte Standard flow - Auxiliary hydraulics Hydrostatic Hydraulics 380 bar High-Flow Auxiliary hydraulics - Poston 380 bar High-Flow Auxiliary hydraulics Pessure - Option 420 bar Tank capacities 361 Hydraulic tank capacity 361 Fuel tank 58.70 l Liquid cooling tank volume 58.70 l Displacement / Number of cylinders 3.301 / 4 Noise and vibration 101.40 dB Noise at driving position (LpA) 82 dB	Bucket Width	e1 1778 mm	
Engine brand Yanmar Engine model 4TNV98C-NMS2V Net Power 51 kW Max. torque / Engine rotation 241 km @ 2500 rpm LC. Engine power rating - Power 66.40 Hp / 51 kW Battery voltage 12 V Accessory plug 120 V Altemator - Ampere 100 A Transmission type Hydrostatic Hydraulis Hydrostatic Standard flow - Auxiliary hydraulics Pessure 330 bar Altilary Hydraulic Pressure 330 bar High-Flow Auxiliary Hydraulics - Option 420 bar High-stow Auxiliary Hydraulics Pressure - Option 58.70 l Hydraulic ank capacity 58.70 l Fuel tank 58.70 l Liquid cooling tank volume 58.70 l Liquid cooling tank volume 58.70 l Disea and vibration 33.01 / 4 Noise and vibration 61.01 d d d Noise and vibration 62.02 d d	Clearance Radius - Front with Bucket	b18 2063 mm	
Engine model 4TNV98C-NMS2V Net Power 51 kW Max. torque / Engine rotation 241 Nme 2500 pm LC. Engine power rating - Power 68.40 Hp / 51 kW Battery voltage 12 V Accessory plug 120 V Altemator - Ampere 100 A Transmission type Hydrouten Standard flow - Auxiliary hydraulics Hydrouten Standard flow - Auxiliary hydraulics - Option 380 bar High-Flow Auxiliary Hydraulics - Option 380 bar High-Flow Auxiliary Hydraulics - Option 420 bar Tank capacities 36 l Hydraulic tank capacity 36 l Fuel tank 58.70 l Liquid cooling tank volume 58.70 l Displacement / Number of cylinders 3.30 l / 4 Noise and vibration 59.30 l / 4 Noise to environment (LWA) 52 d B Noise a driving position (LpA) 82 d B	Engine		
Net Power 51 kW Max. torque / Engine rotation 241 Nm @ 2500 rpm LC. Engine power rating - Power 68.40 llp / 51 kW Battery voltage 12 V Accessory plug 120 V Alternator - Ampere 100 A Transmission ————————————————————————————————————	Engine brand	Yanmar	
Max. torque / Engine rotation 241 Nm @ 2500 rpm I.C. Engine power rating - Power 68.40 Hp / 51 kW Battery voltage 12 V Accessory plug 100 A Altemator - Ampere 100 A Transmission Hydrostatic Standard flow - Auxiliary hydraulics Hydrostatic Standard flow - Auxiliary hydraulics 380 bar Auxiliary Hydraulic Pressure 380 bar High-Flow Auxiliary hydraulics - Option 380 bar High-Flow Auxiliary Hydraulics Pressure - Option 421 Nm @ 2500 rpm Hydraulic tank capacitie 380 bar Hydraulic tank capacitie 361 Fuel tank 58.70 l Liquid cooling tank volume 58.70 l Displacement / Number of cylinders 3.30 l / 4 Noise and whitation 101.40 d8 Noise to driving position (LpA) 82 dB	Engine model	4TNV98C-NMS2V	
LC. Engine power rating - Power 68.40 Hp / 51 kW Battery voltage 12 V Accessory plug 120 V Alternator - Ampree 100 A Transmission Hydroulice Tansmission type Hydroulice Standard flow - Auxiliary hydraulics Perssure Hydroulice Perssure High-Flow Auxiliary Hydraulics - Option 380 bar High-Flow Auxiliary Hydraulics Pressure - Option 420 bar Tank capacities 361 Hydraulic tank capacity 361 Fuel tank 58.70 l Liquid cooling tank volume 58.70 l Displacement / Number of cylinders 300 l Noise and whatdon 101.40 dB Noise on winonment (LwA) 82 dB Noise at driving position (LpA) 82 dB	Net Power	51 kW	
Battery voltage 12 V Accessory plug 120 V Alterator - Ampere 100 A Transmission Hydroutice Transmission type Hydroutice Standard flow - Auxiliary hydraulics 71 l/min Auxiliary Hydraulic Pressure 380 bar High-Flow Auxiliary Hydraulics - Option 420 bar High-Flow Auxiliary Hydraulics Pressure - Option 420 bar Tank capacities 56.70 l Fuel tank 56.70 l Liquid cooling tank volume 12.90 l Displacement / Number of cylinders 3.30 l / 4 Noise and vibration 3.30 l / 4 Noise to environment (LWA) 82 dB	Max. torque / Engine rotation	241 Nm @ 2500 rpm	
Accessory plug 120 V Alternator - Ampere 100 A Transmission Hydrostatic Hydrallics Hydrostatic Standard flow - Auxiliary hydraulics 380 bar High-Flow Auxiliary Hydraulics - Option 380 bar High-Flow Auxiliary Hydraulics Pressure - Option 420 bar Tank capacities 420 bar Hydraulic tank capacity 58.70 l Fuel tank 58.70 l Liquid cooling tank volume 58.70 l Displacement / Number of cylinders 330 l / 4 Noise and vibration 330 l / 4 Noise to environment (LwA) 101.40 dB Noise at driving position (LpA) 82 dB	I.C. Engine power rating - Power	68.40 Hp / 51 kW	
Altemator - Ampere 100 A Transmission Transmission type	Battery voltage	12 V	
TransmissionHydrostaticTransmission typeHydrostaticHydraulics71 I/minStandard flow - Auxiliary hydraulics380 barAuxiliary Hydraulic Pressure380 barHigh-Flow Auxiliary Hydraulics - Option113 I/minHigh-Flow Auxiliary Hydraulics Pressure - Option420 barTank capacities361Hydraulic tank capacity58.70 ILiquid cooling tank volume58.70 IDisplacement / Number of cylinders3.30 I / 4Noise and vibration3.30 I / 4Noise to environment (LwA)101.40 dBNoise at driving position (LpA)82 dB	Accessory plug	120 V	
Transmission type 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 Hydraulics Pressure - Option Tank capacities Hydraulic tank capacity Fuel tank Liquid cooling tank volume Displacement / Number of cylinders Noise and vibration Noise and vibration Noise at driving position (LpA) Hydraulic tank capacity Standard flow - Auxiliary Hydraulics Pressure - Option Hydraulic tank capacity Standard flow - Auxiliary Hydraulics Pressure - Option 1	Alternator - Ampere	100 A	
HydraulicsContact flow - Auxiliary hydraulicsAuxiliary hydraulicsAuxiliary Hydraulic Pressure380 barHigh-Flow Auxiliary Hydraulics - Option113 1/minHigh-Flow Auxiliary Hydraulics Pressure - Option420 barTank capacities136 1Hydraulic tank capacity36 1Fuel tank58.70 1Liquid cooling tank volume12.90 1Displacement / Number of cylinders3.301 / 4Noise and vibration3.301 / 4Noise to environment (LwA)101.40 dBNoise at driving position (LpA)82 dB	Transmission		
Standard flow - Auxiliary hydraulics Auxiliary Hydraulic Pressure High-Flow Auxiliary Hydraulics - Option High-Flow Auxiliary Hydraulics Pressure - Option High-Flow Auxiliary Hydraulics Pressure - Option Hydraulics Pressure - Option Tank capacities Hydraulic tank capacity Hydraulic tank capacity Fuel tank Liquid cooling tank volume Displacement / Number of cylinders Noise and vibration Noise and vibration Noise at driving position (LpA) Toline and vibration Standard flow - Auxiliary hydraulics Pressure - Option 1380 bar 1111 // min 1380 bar 1113 // min 1380 bar 1113 // min 1380 bar 1113 // min 1380 bar 1311 // min 1380 bar 1312 // man 1380 bar 1380 bar 1312 // man 1380 bar 1420 b	Transmission type	Hydrostatic	
Auxiliary Hydraulic Pressure High-Flow Auxiliary Hydraulics - Option High-Flow Auxiliary Hydraulics Pressure - Option High-Flow Auxiliary Hydraulics Pressure - Option Tank capacities Hydraulic tank capacity Fuel tank Liquid cooling tank volume Displacement / Number of cylinders Noise and vibration Noise and vibration Noise at driving position (LpA) 1880 bar 1131 l/min 420 bar 1880 bar 1131 l/min 420 bar 120 bar 121 bar 1880 bar	Hydraulics		
High-Flow Auxiliary Hydraulics - Option 113 l/min High-Flow Auxiliary Hydraulics Pressure - Option 420 bar Tank capacities 8 Hydraulic tank capacity 36 l Fuel tank 58.70 l Liquid cooling tank volume 12.90 l Displacement / Number of cylinders 3.30 l / 4 Noise and vibration 101.40 dB Noise at driving position (LpA) 82 dB	Standard flow - Auxiliary hydraulics	71 l/min	
High-Flow Auxiliary Hydraulics Pressure - Option 420 bar Tank capacities Hydraulic tank capacity Fuel tank Liquid cooling tank volume Displacement / Number of cylinders Noise and vibration Noise to environment (LwA) Noise at driving position (LpA) 420 bar	Auxiliary Hydraulic Pressure	380 bar	
Tank capacities 36 I Hydraulic tank capacity 36 I Fuel tank 58.70 I Liquid cooling tank volume 12.90 I Displacement / Number of cylinders 3.30 I / 4 Noise and vibration Company of the convironment (LwA) Noise at driving position (LpA) 82 dB	High-Flow Auxiliary Hydraulics - Option	113 l/min	
Hydraulic tank capacity 36 l Fuel tank 58.70 l Liquid cooling tank volume 12.90 l Displacement / Number of cylinders 3.30 l / 4 Noise and vibration ————————————————————————————————————	High-Flow Auxiliary Hydraulics Pressure - Option	420 bar	
Fuel tank 58.70 I Liquid cooling tank volume 12.90 I Displacement / Number of cylinders 3.30 I / 4 Noise and vibration Company of the convironment (LwA) Noise at driving position (LpA) 101.40 dB Noise at driving position (LpA) 82 dB	Tank capacities		
Liquid cooling tank volume12.90 lDisplacement / Number of cylinders3.30 l / 4Noise and vibrationUse to environment (LwA)Noise at driving position (LpA)101.40 dBRoise at driving position (LpA)82 dB	Hydraulic tank capacity	361	
Displacement / Number of cylinders 3.30 1 / 4 Noise and vibration Solice to environment (LwA) 101.40 dB Noise at driving position (LpA) 82 dB	Fuel tank	58.70 l	
Noise and vibration 101.40 dB Noise to environment (LwA) 82 dB	Liquid cooling tank volume	12.90	
Noise and vibration 101.40 dB Noise to environment (LwA) 82 dB	Displacement / Number of cylinders	3.301/4	
Noise at driving position (LpA) 82 dB			
	Noise to environment (LwA)	101.40 dB	
Whole-Body Vibration (ISO 2631-1)	Noise at driving position (LpA)	82 dB	
	Whole-Body Vibration (ISO 2631-1)	1.10 m/s ²	





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