Technical sheet:

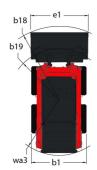
1640R



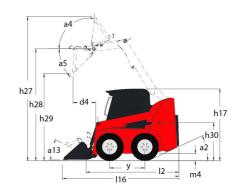


Membra Maria Mar		1640R Gleated Off 20 May 2024 at 10.23	1640R Greated on 20 May 2024 at 10.29.02 010	
Unladen weight 2792 kg 1790pm canasativ 1466 kg 1460 kg	Capacities	Metric		
1496 kg 1496	Rated Operating Capacity	748 kg		
Wight and dimensions	Unladen weight	2792 kg		
Weight and dimensations	Tipping capacity	1496 kg		
OwenII opening Height Fully Stated b27 3376 mm Height to Hinge Pr - Hully Stated b28 3022 mm OwenII Height to go of ROPS b17 1848 mm Dump angle at full height b29 2379 mm OwenII Height to go of ROPS l16 301 mm OwenII Height the go of ROPS l16 310 mm OwenII Height the go of ROPS l16 310 mm OwenII Height the go of ROPS l16 310 mm OwenII Height the go of ROPS l16 310 mm OwenII Height the go of ROPS a4 99 * Seat to ground height the go of ROPS a4 99 * Seat to ground height the go of ROPS b1 32 * Neeblase y 988 mm OwenII Height Leas Bucket b1 152 mm OwenII Height Leas Bucket b18 165				
Height is higne Fm - Fully Baised h28 3023 mm 1000 mm		h27 3876 mm		
Ownall Height to soot # 500% h 17 1448 mm Dump height a5 33 ° Dump height h 29 2379 mm Ownall leagh with bucket 116 3101 mm Dump geach - Full Height n6 579 mm Kollback at aground a13 28 ° Kollback at aground height a4 99 ° Seat to ground height a4 99 ° Seat to ground height a4 99 ° Weelbase y 988 mm Owrall wide hess bucket b1 1532 mm Wickel Widh e1 1562 mm Owrall widh less bucket b1 1522 mm Owrall seph - Less Bucket b2 22 21 ° Clearance Caller - Frent with Bucket b18 1596 mm 161 mm Clearance Caller - Freat b18 1596 mm 161 mm Clearance Caller - Freat with Bucket b18 1596 mm 161 mm Clearance Caller - Freat with Will Bucket b18 150 mm 174 mm Clearance Caller - Freat with W				
Dump anige art Ill height 55 33 ° Dump helphy b29 2376 mm Overall langth with bucket III6 3101 mm Dump nebsh- Full height 16 579 mm Rollback An ground 13 28 ° Rollback Angle af Full Height 44 99 ° Seat to ground height h30 930 mm Wheelbase y 988 mm Overall Width less bucket b1 1582 mm Bucket Width e1 1582 mm Ground clearance m4 160 mm Ground clearance pa 1582 mm Ground clearance pa 22 21 ° Clearance Scile- Front with Bucket b18 1869 mm 1130 mm 1130 mm 11466 mm 1130 mm 11466 mm 1120 km/h 11466 mm 1150 km/h 11466	• • •			
Dump elapht 129 237 mm Oreall length with bucket 116 3101 mm Oreall length with bucket 16 579 mm Sollback at ground a13 28 ° Sollback at ground h30 930 mm Seat to ground height h30 930 mm Wheelbase y 988 mm Ownall with less bucket b1 1522 mm Bucket Width en 1562 mm Gound clearance m4 160 mm Owrall length - Less Bucket p1 22 221 ° Clearance Rodius - Front with Bucket p18 189 mm Clearance Rodius - Front with Bucket p18 189 mm Clearance Circle - Front without Bucket p18 189 mm Clearance Circle - Front without Bucket p18 189 mm Clearance Circle - Front without Bucket p1 1130 mm Clearance Circle - Front without Bucket p1 1140 mm Clearance Rodius - Front without Bucket p1 1140 mm Clearance Rodius - Front without Bucket p1 114				
Ownell length with bucket 116 3101 mm Dump reach - Full helight 6 5.79 mm Rollback at ground a13 28 ° Rollback Angie at Full Helight b34 99 ° Seat to ground helight b30 998 mm Wheelbase y 988 mm Overall width less bucket b1 1552 mm Bucket Width c1 1562 mm Ground clearance m4 100 mm Ground clearance m4 100 mm Ground clearance 12 2390 mm Departure angle 32 21 ° Clearance Rolled - Front with bucket b18 1889 mm Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Rear wa1 1456 mm Proformances b19 1120 mm Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Front without Bucket b19 1120 mm Clearance Circle - Front without Bucket b1 15.00 km/h Wheels				
Dump neach - Full height a13 28 ° Rollback at ground a14 99 ° Seat to ground height h30 930 mm Mollback Angle a Full Height h30 930 mm Wheelbase y 988 mm Overall width less bucket b1 1582 mm Outed learnee m4 160 mm Oweall leight - Less Bucket 12 2399 mm Openature angle a2 21 ° Clearance Circle - Font with Bucket b18 1889 mm Clearance Circle - Font with Bucket b19 1130 mm Clearance Circle - Font with Bucket b19 1130 mm Clearance Circle - Font with Bucket b19 1130 mm Clearance Circle - Font with Bucket b19 1130 mm Clearance Circle - Font with Bucket b19 1130 mm Clearance Circle - Font with Bucket b19 1130 mm Clearance Circle - Font with Bucket b19 1130 mm Clearance Circle - Font with Bucket b19 1120 mm Clearance Circle - Font with Bucket				
Rollback Anjound a13 28 * Rollback Anjoe at Full Height a4 99 * Sex to ground height h30 350 mm Wheelbase y 988 mm Wheelbase jt 1552 mm Bucket Width e1 1552 mm Ground clearance m4 160 mm Overall leight - Less Bucket 12 2399 mm Departure angle a2 21 * Clearance Cloide - Front with Bucket b19 1130 nm Clearance Cloide - Front without Bucket b19 1130 nm Clearance Cloide - Front without Bucket b19 1130 nm Clearance Cloide - Front without Bucket b19 1130 nm Clearance Cloide - Front without Bucket b19 1120 nm Clearance Standard Stantise b19 1120 nm Clearance Standard Stantise b19 1120 nm Clearance Livide - Front without Bucket b1 1120 nm Clearance Standard Stantise b19 120 nm Weels 12 x x x x x x x x x x x x x x x x x x x	•			
Rollback Angle at Full Height 84 99 ° Sea to ground height h30 930 mm Wheelbase y 988 mm Overall widht less bucket b1 1552 mm Bucket Width e1 1552 mm Ground clearance m4 160 mm Overall leight - Less Bucket i2 2390 mm Operature angle a2 21 ° Clearance Radius - Front with Bucket b18 1850 mm Clearance Circle - Rear b19 1130 mm Clearance Circle - Rear b19 13130 mm Clearance Circle - Rear b19 13130 mm Clearance Circle - Rear b19 13130 mm Clearance Circle - Rear b19 1310 mm Cleanance Circle - Rear 1200 km/h 140 mm Bend Circle - Rear <td< td=""><td></td><td></td><td></td></td<>				
Seat to ground height h30 930 mm Wheelbase y 988 mm Overall Meth less bucket b1 1522 mm Bucket Width e1 1552 mm Ground clearance m4 160 mm Overall leight - Less Bucket 12 2390 mm Departure angle a2 21** 220 mm Clearance Circle - Front with blucket b18 1889 mm Clearance Circle - Front with blucket b18 1889 mm Clearance Circle - Front with blucket b19 11300 mm Clearance Circle - Front with blucket b18 1889 mm Clearance Circle - Front with blucket b19 11300 mm Clearance Circle - Front without Bucket b19 11300 mm Clearance Circle - Front without Bucket b19 11300 mm Clearance Circle - Front without Bucket b18 18800 mm Clearance Circle - Front without Bucket b18 18800 mm Clearance Circle - Front without Bucket b18 18000 mm Enformance b18 18000 mm 11400 mm				
Wheelbase y 988 mm Overall widh less bucket b1 1582 mm Boucket Widh e1 1562 mm Grund clearance m4 160 mm Overall length - Less Bucket m4 2 2 239 mm Departure angle a2 21" Clearance Relatus - Front without Bucket b18 1869 mm Clearance Circle - Four throut Bucket b19 1130 mm Clearance Circle - Four without Bucket b19 1130 mm Clearance Circle - Four without Bucket b19 1130 mm Clearance Circle - Four without Bucket b19 1130 mm Clearance Circle - Four without Bucket b19 1130 mm Clearance Circle - Four without Bucket b19 1130 mm Clearance Circle - Four without Bucket b19 1130 mm Clearance Circle - Four without Bucket b19 12 200 km/h Wheels 100 km/s 100 km/s 100 km/s Engline Dural Sundard Sun				
Overall width less bucket b1 1582 mm Bucket Width e1 1562 mm Ground clearance m4 1500 mm Overall length - Less Bucket 12 2390 mm Departure angle 12 2390 mm Clearance Rodius - Front with Bucket b18 1869 mm Clearance Circle - Front without Bucket b18 1869 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket b19 1130 mm Wheel 18 12 12 Brown Brown 17 4 mm 114 Group Brown 24 117 24				
Bucket Width e1 1562 mm Ground clearance md 150 mm Oewall length - Less Bucket 12 2390 mm Departure angle a2 21° Clearance Redius - Front without Bucket b18 1869 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Rear wa1 1466 mm Performances wa1 1250 km/h Travel speed (unladen) wa1 1815 cm Wheels 100 km/h 180 km/h Engine 100 km/h 180 km/h Engine brand \$ \$ 180 km/h Engine brand \$ \$ 4 mm Engine brand \$ \$ 4 mm Engine brand \$ \$ 4 mm Engine brand \$ \$ 174 km Engine brand \$ \$ 174 km Engine brand \$ \$ 210 km Engine brand \$ \$ 210 km Ner Power \$ \$ 210 km Max. Longue / Engine rotation \$<		•		
Ground clearance m4 160 mm Overall length - Less Bucket 12 2.390 mm Departure angle 2 2.1° Clearance Badius - Front with Bucket b18 1869 mm Clearance Circle - Rear wa1 1466 mm Clearance Circle - Rear wa1 1466 mm Performances wa1 1466 mm Towel speed (uniden) wa1 1466 mm Wheels 10X16.5-10 RPHD Standard ties 8 10X16.5-10 RPHD Engine 4 1470.55.2 MKP Engine brand 4 174 Engine model 4 174 Engine model 5 52.10 kW Net Power 5 52.10 kW Net Power 5 52.10 kW Net Power 5 2.10 kW Number of cylinders 4 4 Battery voltage 12 Y 4 Accessor pulg 12 Y 3 kW Alteratory Accessor pulg 3 KW 110 A				
Overall length - Leas Bucket 12 2390 mm Departure angle 22 21° Clearance Bdus - Front with Ducket b18 1869 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Rear wa1 1466 mm Performances wa1 12.60 km/h Trovel speed (uniden) wa1 12.60 km/h Wheels 100 102.65 - 10 FR HD Engine 100 102.65 - 10 FR HD Engine brand 9 174 Mm Engine brand 9 174 Mm Engine nom 174 4 Engine nom 174 52.10 kW Max toque / Engine rotation 9 52.10 kW Max toque / Engine rotation 9 24.1 km / 2500 pm Max toque / Engine rotation 9 12.0 kW Max toque / Engine rotation 9 12.0 kW Max toque / Engine rotation 1 12.0 kW Max toque / Engine rotation 9 12.0 kW Max toque / Engine rotation 1 12.0 kW <				
Departure angle a2 21 ° Clearance Radius - Front with Bucket b18 1869 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Rear wa1 1466 mm Performances Celevation Celevation Tavel Speed (unladen) 12.60 km/h Wheels 10.10.15.5 · 10 RR HD Standard lities Celevation 10.10.15.5 · 10 RR HD Engine Page Manual 17.40 km Engine model 4 Yanmar 17.40 km 17.40 km 18.00 km				
Clearance Radius - Front with Bucket b18 1869 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Front without Bucket wat 1466 mm Performances 12.00 km/h Travel Speed (unladen) 12.00 km/h Wheels 10.00 km/h Standard tires 10.00 km/h Engine Board 10.00 km/h Engine brand 10.00 km/h Engine model 4 TATNY98-ZNMS3R1 Engine norm 17.40 km Sender Norm 5.210 kW Max. torque / Engine rotation 20.00 km Number of cylinders 4 4 Battery voltage 1.22 km 2.20 km	•			
Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Rear wat 1466 mm Performances Commender Commender Travel speed (unladen) Commender Commender Standard tities Commender Commender Engine Commender Commender Commender Engine brand Commender Commender Tax HTNV98-ZMMS8TI Engine model Commender Commender Tax HTNV98-ZMMS8TI Engine home Commender SE 10 kW Commender Net Power Commender SE 10 kW SE 10 kW Commender SE 10 kW SE 10 kW SE 10 kW	•			
Clearance Circle - Rear wa1 1466 mm Performances Common comm				
Performances 12.60 km/h Travel speed (unladen) 12.60 km/h Wheels 10X16.5-10 PR HD Standard tires 10X16.5-10 PR HD Engine 10X16.5-10 PR HD Engine brand 4 Engine nomel 4TNV98-ZMMS3R1 Engine nom 52.10 kW Net Power 52.10 kW Max. torque / Engine rotation 241 km / 2500 rpm Power source 10 issel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Alemator-Ampere 3 kW Starter 3 kW Hydraulics 3 kW Stander 3 kW Usualitary hydraulics Pressure 207 bar Tank capacities 62.501 Fuel tank 4 4 Hydraulic oil tank capacity 62.501 4 Hydraulic oil tank capacity 62.501 4 Li Chain case 3319 mm³ 4				
Travel speed (unladen) 12.60 km/h Wheels 12.60 km/h Standard tires 1 2		wa I 1466 mm		
Wheels Commender Commender Commender Commender Administration Adm		10 (0 loo)		
Standard tires 10X16.5-10 PR HD Engine Compose Engine brand 47 yamar Engine nomel 47 NV98.2MMS3R1 Engine nome 52.10 kW Net Power 52.10 kW Net Power (Agriculture) 241 Nm / 2500 mm Power source 241 Nm / 2500 mm Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampree 1000 A Starter 3 kW Hydrallic 3 kW Standard flow - Auxiliary hydrallics 71.40 l/min Auxiliary Hydrallic Pressure 207 bar Tank capacities 200 bar Fuel tank 6.2.50 l Hydrallic coil tank capacity 4.16.01 Lib Chain case 8.50 l		12.6U KM/h		
Engine Commended Yanmar Engine model 4TNV98-ZNNS3R1 Engine norm 174 Gross Power 52.10 kW Net Power 52.10 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Alterator - Ampere 12 V Starter 3 kW Hydraulics 71.40 l/min Auxiliary hydraulics 771.40 l/min Auxiliary hydraulics Pressure 207 bar Tent capacities 6.5.50 t Fuel tank 6.5.50 t Hydraulic oil tank capacity 41.60 l Displacement 8.50 l		40V44.5. 40.PD UP		
Engine brand Yanmar Engine model 4TNV98-ZNMS3R1 Engine norm 5T4 Gross Power 52.10 kW Mex. torque / Engine fotation 241 km / 2500 rpm Max. torque / Engine fotation 241 km / 2500 rpm Power source 9 Diesel Number of cylinders 4 12 V Battery oldage 12 V 12 V Accessory plug 12 V 100 A Starter 3 kW 100 A		10X 16.5 - 10 PR HD		
Engine model 4TNY98-ZNMS3R1 Engine nom 1T4 Gross Power 52.10 kW Net Power 51.20 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampre 100 A Stafter 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Fuel tank 6.50 l Hydraulic oil tank capacity 6.50 l Displacement 3 319 mm³ LH Chain case 8.50 l		, and the second se		
Engine norm iT4 Gross Power 52.10 kW Net Power 51.20 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Sattery Ottage 12 V Accessory plug 12 V Altemator - Ampere 3 kW Starter 3 kW Hydraulics 3 kW Starder flow - Auxiliary hydraulics 71.40 l/min Auxiliary hydraulic Pressure 207 bar Tank capacities 207 bar Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 53.319 mm³ LH Chain case 8.50 l				
Gross Power 52.10 kW Net Power 51.20 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampere 3 kW Starter 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxillary Hydraulic Pressure 207 bar Tank capacities 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3 3319 mm³ LH Chain case 8.50 l				
Net Power 51.20 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampere 1000 A Starfer 3 kW Hydraulics 71.40 l/min Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 2070 bar Tank capacities 50.250 l Hydraulic oil tank capacity 41.60 l Displacement 3 3319 mm³ LH Chain case 8.50 l	-			
Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Alternator - Ampree 100 A Starter 3 kW Hydraulics 5 Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 2 Tank capacities 2 Fuel tank 62.50 I Hydraulic oil tank capacity 41.60 I Displacement 3319 mm³ LH Chain case 8.50 I				
Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampere 2 12 V Starter 3 kW Hydraulics 5 3 kW Standard flow - Auxiliary hydraulics 5 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 2 50.71 km Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3 319 mm³ LH Chain case 8.50 l				
Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampere 100 A Starter 3 kW Hydraulios 5 Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 2 Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3319 mm³ LH Chain case 8.50 l				
Battery voltage 12 V Accessory plug 12 V Alternator - Ampere 100 A Starter 3 kW Hydraulios 5 C Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 5 C Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3319 mm³ LH Chain case 8.50 l				
Accessory plug 12 V Altemator - Ampere 100 A Starter 3 kW Hydraulios 5tandard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 62.50 l Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3319 mm³ LH Chain case 8.50 l	·			
Altemator - Ampere 100 A Starter 3 kW Hydraulics Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 62.50 l Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3319 mm³ LH Chain case 8.50 l				
Stater 3 kW Hydraulics Company of the part of				
Hydraulics 171.40 l/min Standard flow - Auxiliary hydraulics 207 bar Auxiliary Hydraulic Pressure 207 bar Tank capacities 62.50 l Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3319 mm³ LH Chain case 8.50 l				
Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities Company Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3319 mm³ LH Chain case 8.50 l		3 kW		
Auxiliary Hydraulic Pressure 207 bar Tank capacities 50 cm Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3319 mm³ LH Chain case 8.50 l	_ -			
Tank capacities Compare the capacity Fuel tank 62.50 I Hydraulic oil tank capacity 41.60 I Displacement 3319 mm³ LH Chain case 8.50 I	Standard flow - Auxiliary hydraulics	71.40 l/min		
Fuel tank 62.50 I Hydraulic oil tank capacity 41.60 I Displacement 3319 mm³ LH Chain case 8.50 I	, ,	207 bar		
Hydraulic oil tank capacity41.60 lDisplacement3319 mm³LH Chain case8.50 l	Tank capacities			
Displacement 3319 mm³ LH Chain case 8.50 I	Fuel tank	62.50 I		
LH Chain case 8.50 I	Hydraulic oil tank capacity	41.60 l		
	Displacement	3319 mm³		
RH Chain case 8.50 I	LH Chain case	8.50 l		
	RH Chain case	8.50 1		

1640R - Dimensional drawing











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