Technical sheet:

1640R



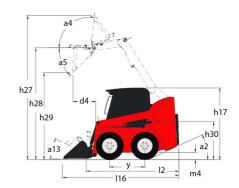


Rate di perainty Capacity 7.8 kg Lindafen weight 2.72 kg Tipping capacity 1.90 kg Verail Operating Peleght Fully Raised 1.27 Overail Operating Peleght Fully Raised 1.23 Height to Minge Fin – Fully Raised 1.23 Oump all Height to Operating Perainty 1.5 Oump laine at full height 3.5 Owaril Inelph with Dacket 1.16 Obliback at Agree at Full Height 4 All 4 spound 3.3 Rollback at Agree at Full Height 3.4 Seat to ground height 3.4 Micelates 9.2 Owaril Inelph with Sucket 1.1 Owaril Inelph Less Bucket 1.1 Owaril Inelph Less Bucket 1.2 Olesance Reduis - Front White Bucket 1.1		1640R Greated on May 19, 2024 at 5.08.27 Pi
Unlader weight 1969 kg 1969 kg	Capacities	Metric
1496 kg 1496	Rated Operating Capacity	748 kg
Weight and dimensions	Unladen weight	2792 kg
Weight and dimensions	Tipping capacity	1496 kg
OwenII presign Fully Stated b27 3876 mm Height to Hopp Par Fully Stated b28 3022 mm OwenII Height to op of 6DPS b17 1948 mm Dump angle at full height b29 2279 mm OwenII Height f6 579 mm OwenII eight with bucket f6 579 mm Obliback of upound 66 579 mm Sollback and upound 66 579 mm Sollback and upound 68 49 mm Soll to upound height 50 90 mm Wheelbace y 988 mm OwenI length - Less Bucket 51 1522 mm Grund clearance 61 152 mm OwenI length - Less Bucket 61 152 mm		
Height to Rings Pin - Fully Raised hos hos months hos		h27 3876 mm
Ownell Heights to op of BOPS h17 1948 mm Dump angled toff lifelight h25 3.8° Dump height h29 2.279 mm Ownell lengh with bucket l16 3.011 mm Ownell claph with bucket l6 5.79 mm Kollback at sprund a13 28° Kollback at sprund h30 90 mm Molback at sprund h30 9.00 mm Micellaser by 9.88 mm Ownell width less bucket b1 1.322 mm Wickel Width e1 1.562 mm Ownell width less bucket b1 1.522 mm Width less bucket b1 1.522 mm Width less bucket b2 2.21 mm Ownell width less bucket b2 2.230 mm Ownell width less bucket b1 1.522 mm Bucket Width e1 1.522 mm Bucket		
Dump anige af full beight 55 38 ° Dump height 129 2379 mm Overall length with bucket 116 3101 mm Owerall length with bucket 16 579 mm Boilback Angound a13 2.8° Boilback Angound a44 99 ° Seat to ground height h30 990 mm Wheelbase y 988 mm Overall with less bucket b1 1582 mm Bucket Width e1 1582 mm Ground clearance m4 160 mm Ground clearance r0 1582 mm Ground clearance r0 160 mm Ground clearance r0 150 mm Ground clearance Circle - Front with Bucket r0 2 27 ° Ground clearance Circle - Front with Bucket b18 189 mm 1130 mm 1146 mm 1130 mm 1146 mm 1130 mm 1146 mm		h17 1948 mm
Dump height		
Owenl Ineigh with bucket 116 3101 mm Dump neach - Full helight 6 579 mm Rollback at ground a13 28 ° Rollback Angie at Full Helight a4 69 ° Sea to ground helight h30 990 mm Wheelbase y 988 mm Owenli Height Sucket b1 1582 mm Bucket Width c1 1582 mm Bucket Width c1 1582 mm Bucket Width c1 1582 mm Cloud cleannee m4 160 mm Cloud cleannee Cleannee Cleannee a2 21 ° Cleannee Cleanlee - Feat with Bucket b18 1889 mm Cleannee Cleanlee - Feat with Bucket b19 1120 mm Cleannee Cleanlee - Feat with Bucket b19 1120 mm Cleannee Cleanlee - Feat with Bucket b19 1120 mm Cleannee Cleanlee - Feat with Bucket b19 1120 mm Cleannee Cleanlee - Feat with Bucket b19 1120 mm Cleannee Cleanlee - Feat with Bucket b19 1120 mm		
Dump reach - Full height a13 28 ** Rollback at ground a13 28 ** Seat to ground height a4 99 ** Seat to ground height h30 330 mm Wheelbase y 988 mm Owerall width less bucket b1 1582 mm Ouerall width less bucket b1 1582 mm Ouerall clight - Less Bucket m4 160 mm Overall leight - Less Bucket b2 2390 mm Operature angle s2 21 ** Clearance Circle - Front with Bucket b18 1869 mm Clearance Circle - Front with Bucket b19 1130 mm Clearance Circle - Front with 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 b18 186 mm Clearance Circle - Front without		
Rollback at pround a13 28 * Rollback Angle at Full Height a4 99 * Sex to ground height h30 330 mm Wheelbase y 988 mm Overall width les bucket b1 1552 mm Bucket Width e1 1552 mm Overall leight - Less Bucket t2 2390 mm Overall eight - Less Bucket t2 2390 mm Openarue angle t2 2 21 * Clearance Clicile - Front with Bucket b18 1860 mm Clearance Clicile - Front without Bucket b19 1130 mm Clearance Clicile - Front without Bucket b19 1130 mm Clearance Clicile - Front without Bucket b19 1130 mm Clearance Clicile - Front without Bucket b19 1130 mm Clearance Clicile - Front without Bucket b19 1120 mm Clearance Clicile - Front without Bucket b19 1130 mm Clearance Clicile - Front without Bucket b19 110 mm Clearance Clicile - Front without Bucket b10 110 tm	-	
Rollback Angle at Full Height a4 99 ° Seat 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 Owaral leight - Less Bucket 12 2390 mm Opeparture angle a2 21 ° Clearance Radius - Front with Bucket b18 1869 mm Clearance Clicite - Rear b19 1130 mm Clearance Clicite - Rear b19 130 mm Clearance Clicite - Rear 10 (10 km/k 10 (10 km/k Brought - Strate - Strate -		
Seat to ground height h30 930 mm Wheelbase y 938 mm Overall width less bucket b1 1552 mm Bucket Width e1 1552 mm Ground clearance m4 160 mm Owerall length - Less Bucket 12 2390 mm Departure angle a2 21** Clearance Clircle - Front with Bucket b18 1869 mm Clearance Clircle - Front with Bucket b19 1130 mm Clearance Clircle - Front without bucket b19 1130 mm Clearance Clircle - Front without bucket b19 1130 mm Clearance Clircle - Front without bucket b19 1130 mm Clearance Clircle - Front without bucket b19 1130 mm Clearance Clircle - Front without bucket b19 1130 mm Clearance Clircle - Front without bucket b19 1130 mm Clearance Clircle - Front without bucket b19 1130 mm Clearance Clircle - Front without bucket 10 X16.5 - 10 FR HD English 1800 mm 114 Gross Power		
Wheelbase y 988 mm Overall widh less bucket b1 1552 mm Stucket Widh e1 1552 mm Ground clearance m4 160 mm Overall leight, Less Bucket in 2 2390 mm Departure angle a2 21" Clearance Raidus - Front with Bucket b18 1865 mm Clearance Circle - Front without Bucket b18 1865 mm Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Four wat 1666 mm Performances wat 1156 mm Travel speed (unlader) wat 1250 km/h Wheels 10 10 1.5 - 10 FR HD 15 mm Engine Drand 10 10 1.5 - 10 FR HD 15 mm 16 mm Engine Drand 1 10 1.5 - 10 FR HD 17 mm 18 mm <t< td=""><td></td><td></td></t<>		
Overall width less bucket b1 1582 mm Bucket Width e1 1562 mm Gound clearace m4 100 mm Overall length - Less Bucket 12 2390 mm Departure angle a2 21* Clearance Clircle - Front with Bucket b18 1869 mm Clearance Clircle - Front without Bucket b19 1130 mm Clearance Clircle - Front without Bucket b19 1130 mm Clearance Clircle - Front without Bucket b19 1130 mm Clearance Clircle - Front without Bucket b19 1130 mm Clearance Clircle - Front without Bucket b19 1130 mm Clearance Clircle - Front without Bucket b19 1130 mm Clearance Street wat 1466 mm Performance wat 120 km Webs 100 km 100 km Webs 100 km/h 100 km/h Webs 1174 km/s 1174 km/s Gross Power \$10 kW \$110 kW Net Power \$120 kW \$120 kW Numb		
Bucket Wildth e1 1562 mm Ground clearance m4 150 mm Oeparture angle 12 2390 mm Departure angle 22 21 ° Clearance Redius - Front with Bucket b18 1869 mm Clearance Circle - Font without Bucket b19 11300 mm Clearance Circle - Rear wa1 1466 mm Performances wa1 1466 mm Travel speed (unlader) wa1 15.00 km/h Wheels 100.15 - 10 PR HD Engine 100.15 - 10 PR HD Engine band 100.15 - 10 PR HD Engine band 4 TAW96 2MMS3R1 Engine nom 114 Kel Power 5.10 kW Net Power 5.10 kW Max. torque / Engine rotation 241 km / 2500 pm Power source 15 120 kW Max. torque / Engine rotation 2 12 kW Accessory plug 12 Y Accessory plug 12 Y Accessory plug 12 Y Accessory plug 13 KW		•
Ground clearance m4 160 mm Overall length - Less Bucket 12 2390 mm Departure angle 2 2 1° Clearance Circle - Front with Bucket b18 1869 mm Clearance Circle - Rear wa1 130 mm Clearance Circle - Rear wa1 1466 mm Performances wa1 12.60 km/h Travel speed (uniden) 12.60 km/h Wheels 10X15.5-10 FR HD Standard ties 10X15.5-10 FR HD Engine brand 47 mmar Engine model 47 mmar Engine model 47 mmar Engine nom 174 Gross Power 52.10 kW Net Power 52.10 kW Net Power 24.1 km / 2500 rm Net Power of cylinders 24.4 km / 2500 rm Number of cylinders 12 V Accessory plug 12 V Accessory plug 12 V Alternator - Ampere 3 kW Starter 3 kW Hydraulic Pressure 207 bar		
Overall length - Less Bucket 12 2390 mm Departure angle 22 21° Cleanance Bidus - Front with Ducket b18 1889 mm Cleanance Circle - Front without Bucket b19 11300 mm Cleanance Circle - Rear wa1 1466 mm Performances ————————————————————————————————————		
Departur angle a2 21 ° Clearance Radius - Front with Bucket b18 1869 mm Clearance Circle - Four without Bucket b19 130 mm Clearance Circle - Rear wa1 1466 mm Performances ***********************************		
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 b19 1130 mm Clearance Circle - Front without Bucket b18 1666 mm Forthouse and the Company of the Compan	•	
Clearance Circle - Front without Bucket b19 1130 mm Clearance Circle - Rear wa1 1466 mm Performances 1 12.60 km/h Travel speed (unladen) 1 12.60 km/h Wheels 1 1.00 km/h Engine 1 1.00 km/h Engine brand 4 7 anmar Engine brand 4 7 anmar Engine brand 5 7 anmar Engine brand 6 2 anmar Engine brand	· ·	
Clearance Circle - Rear wal 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 homel 4TNV98-2MMSRI Engine norm 11T4 Gross Power 52.10 kW Net Power 52.10 kW Max. torque / Engine rotation 241 km / 2500 rpm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Alternator-Ampere 3 kW Starter 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary hydraulic Pressure 62.50 l Tank capacities 62.50 l Fuel tank 4.61 d 3319 mm³ Lydraulic coil tank capacity 62.50 l 4.61 d 319 mm³ Lydraulic coil tank capacity 62.50 l 4.61 d 4.61 d 4.61 d 4.		
Travel speed (unladen) 12.60 km/h Wheels 12.60 km/h Standard tires 10X16.5-10 PR HD Engine 10X16.5-10 PR HD Engine brand Yanmar Engine nomel 4TNV98-ZMMS8RI Gross Power 52.10 kW Net Power 52.10 kW Power source 241 km / 2500 pm Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampere 100 A Starter 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary hydraulicy Pressure 207 bar Fuel Lank 6.2.50 l Hydraulic oil tank capacities 4 Fuel Lank 3.319 mm³ Hydraulic oil tank capacities 3.319 mm³ Hydraulic oil tank capacities 3.319 mm³ Hydraulic oil tank capacities 3.50 l		Wa I 1466 mm
Wheels 10X16.5-10 PR HD Engine Define 10X16.5-10 PR HD Engine brand 4 TANN98-ZNMS3R1 Engine model 4TNV98-ZNMS3R1 Engine norm 52.10 kW Ket 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 Alcemator - Ampere 100 A Starter 3 kW Hydraulic 3 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary hydraulic Pressure 207 bar Tank capacities 62.50 I Fuel tank 62.50 I Hydraulic oil tank capacity 41.60 I Displacement 8.50 I		12.60 km/h
Engine 10X16.5-10 PR HD Engine brand Yanmar Engine nordel 4TNV98 ZNMS3R1 Engine norm 52.10 kW Gross Power 52.10 kW Net Power 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampere 3 kW Updraulics 3 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tunk capacities 62.50 l Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 8.50 l LH Chain case 8.50 l		12.00 KIII/II
Engine Yanmar Engine band 4TNY98-ZMNS3R1 Engine nome 1T4 Gross Power 52.10 kW Net Power 52.10 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source 10 besel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Alternator - Ampere 12 V Starder 3 kW Hydraulics 71.40 l/min Auxiliary hydraulics Pessure 207 bar Tank capacities 207 bar Fuel tank 6.5.50 l Hydraulic oil tank capacity 41.60 l Displacement 3 319 mm³ LH Chain case 8.50 l		10V16 F 10 PD UP
Engine brand Yanmar Engine model 4TNV98-ZNMS3R1 Engine norm 1T4 Gross Power 52.10 kW Mex. torque / Engine rotation 241 Nmr / 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 Auxiliary Hydraulic Pressure 207 bar Tank capacities 41.60 l Hydraulic oil tank capacity 41.60 l Bisplacement 3 3319 mm³ LH Chain case 8.50 l		10X 10.5 - 10 PR HD
Engine model 4TNV98-ZNMSSR1 Engine nom 1T4 Gross Power 52.10 kW Net Power 51.20 kW Max. torque / Engine rotation 241 Nm / 2500 pm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Alternator - Ampere 100 A Starter 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3 319 mm³ LH Chain case 8.50 l		V.
Engine nom İT4 Gross Power \$2.10 kW Net Power \$1.20 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Sattery voltage 12 V Accessory plug 12 V Altemator - Ampere 3 kW Starter 3 kW Hydraulics 3 kW Stardard flow - Auxiliary hydraulics 71.40 I/min Auxiliary hydraulic Pressure 207 bar Tank capacities 62.50 I Fuel tank 62.50 I Hydraulic oil tank capacity 41.60 I Displacement 8.50 I LH Chain case 8.50 I		
Goss 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 100 A Starter 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 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 100 A Starter 3 kW Hydraulics 2 Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 2 Fuel tank 62.50 I Hydraulic oil tank capacity 41.60 I Displacement 8.50 I LH Chain case 8.50 I	•	
Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampree 100 A Starfer 3 kW Hydraulics 5 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		
Power source Diesel Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Altemator - Ampere 100 A Starter 3 kW Hydraulics 5 Standard flow - Auxiliary hydraulics 5 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		
Number of cylinders 4 Battery voltage 12 V Accessory plug 12 V Alternator - Ampere 100 A Starter 3 kW Hydraulics 5 Standard 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 3319 mm³ LH Chain case 8.50 l		
Battery wolfage 12 V Accessory plug 12 V Alternator - Ampere 100 A Starter 3 kW Hydraulics 5 m Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 200 bar 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 Hydraulics 52 C Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar Tank capacities 50 C Fuel tank 62.50 l Hydraulic oil tank capacity 41.60 l Displacement 3319 mm³ LH Chain case 8.50 l	·	
Alternator - Ampere 100 A Starter 3 kW Hydraulics 52 Control of the Auxiliary hydraulics Auxiliary Hydraulic Pressure 207 bar Tank capacities 50 Control of the Auxiliary Hydraulic Pressure Fuel tank 62.50 I Hydraulic oil tank capacity 41.60 I Displacement 3319 mm³ LH Chain case 8.50 I		
Stater3 kWHydraulicsComparisonStandard flow- Auxiliary hydraulics71.40 l/minAuxiliary Hydraulic Pressure207 barTank capacitiesComparisonFuel tank62.50 lHydraulic oil tank capacity41.60 lDisplacement3319 mm³LH Chain case8.50 l		
Hydraulics 17.40 l/min Standard flow - Auxiliary hydraulics 207 bar Auxiliary Hydraulic Pressure 207 bar Tank capacities 500 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 ————————————————————————————————————		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 Comparison 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	
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 IDisplacement3319 mm³LH Chain case8.50 I	Tank capacities	
Displacement LH Chain case 8.50 I	Fuel tank	62.50
LH Chain case 8.50 I	Hydraulic oil tank capacity	41.60
	Displacement	3319 mm³
RH Chain case 8.50 I	LH Chain case	8.50
	RH Chain case	8.50

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