Technical sheet:

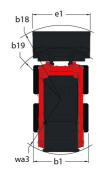
1640R





Rated Operating Capacity Unladen weight Tipping capacity Weight and dimensions Wheelbase Overall Operating Height - Fully Raised Height to Hinge Pin - Fully Raised Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket Departure angle	y h27 h28 h17 a5 h29 l16 r6 a13 a4 h30 b1	Metric 748 kg 2792 kg 1496 kg 988 mm 3876 mm 3023 mm 1948 mm 38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Unladen weight Tipping capacity Weight and dimensions Wheelbase Overall Operating Height - Fully Raised Height to Hinge Pin - Fully Raised Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h27 h28 h17 a5 h29 l16 r6 a13 a4 h30	2792 kg 1496 kg 988 mm 3876 mm 3023 mm 1948 mm 38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Tipping capacity Weight and dimensions Wheelbase Overall Operating Height - Fully Raised Height to Hinge Pin - Fully Raised Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h27 h28 h17 a5 h29 l16 r6 a13 a4 h30	1496 kg 988 mm 3876 mm 3023 mm 1948 mm 38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Wheelbase Overall Operating Height - Fully Raised Height to Hinge Pin - Fully Raised Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h27 h28 h17 a5 h29 l16 r6 a13 a4 h30	988 mm 3876 mm 3023 mm 1948 mm 38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Wheelbase Overall Operating Height - Fully Raised Height to Hinge Pin - Fully Raised Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h27 h28 h17 a5 h29 l16 r6 a13 a4 h30	3876 mm 3023 mm 1948 mm 38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Overall Operating Height - Fully Raised Height to Hinge Pin - Fully Raised Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h27 h28 h17 a5 h29 l16 r6 a13 a4 h30	3876 mm 3023 mm 1948 mm 38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Height to Hinge Pin - Fully Raised Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h27 h28 h17 a5 h29 l16 r6 a13 a4 h30	3023 mm 1948 mm 38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Height to Hinge Pin - Fully Raised Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h17 a5 h29 116 r6 a13 a4 h30 b1	1948 mm 38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Overall Height to top of ROPS Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	a5 h29 116 r6 a13 a4 h30 b1	38 ° 2379 mm 3101 mm 579 mm 28 ° 99 °
Dump angle at full height Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h29 116 r6 a13 a4 h30 b1	2379 mm 3101 mm 579 mm 28 ° 99 °
Dump height Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h29 116 r6 a13 a4 h30 b1	3101 mm 579 mm 28 ° 99 °
Overall length with bucket Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	116 r6 a13 a4 h30 b1	3101 mm 579 mm 28 ° 99 °
Dump reach - Full height Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	a13 a4 h30 b1	28 ° 99 °
Rollback at ground Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	a13 a4 h30 b1	28 ° 99 °
Rollback Angle at Full Height Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	a4 h30 b1	99 °
Seat to ground height Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	h30 b1	
Overall width less bucket Bucket Width Ground clearance Overall length - Less Bucket	b1	930 mm
Bucket Width Ground clearance Overall length - Less Bucket		1582 mm
Ground clearance Overall length - Less Bucket		1562 mm
Overall length - Less Bucket	m4	160 mm
-	12	2390 mm
	a2	21 °
Clearance Radius - Front with Bucket	b18	1869 mm
Rear departure angle	010	21 °
Performances		ZI
Travel speed (unladen)		12.60 km/h
Travel Speed with Two-Speed Option - Maximum		19.50 km/h
Wheels		19.30 KIII/II
Standard tires		10 x 16.5 - 10 PR HD
Engine Engine		10 X 16.5 - 10 PK HD
		Vanmar
Engine brand		Yanmar 4TNV98-ZNMS3R1
Engine model		
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
Battery voltage		12 V
Accessory plug		12 V
Alternator - Ampere		100 A
Starter		3 kW
Hydraulics		
Standard flow - Auxiliary hydraulics		71.40 l/min
Auxiliary Hydraulic Pressure		207 bar
Tank capacities		
Fuel tank		62.50 l
Hydraulic tank capacity		41.60 l
·		
LH Chain case		8.50 l
RH Chain case		8 50 1
Displacement LH Chain case		3319 mm³

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