Technical sheet :

## **1640R (IT4)**





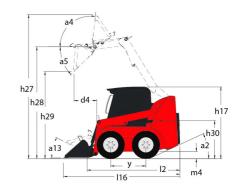
640R (IT4)	Created	on August 28	, 2025 at	: 3:36 AM	UTC
------------	---------	--------------	-----------	-----------	-----

	<b>1640R</b> ( <b>IT4</b> ) Create	1640R (174) Created on August 28, 2025 at 3:36 AM UTC	
Capacities		Metric	
Rated Operating Capacity		748 kg	
Unladen weight		2792 kg	
Tipping capacity		1496 kg	
Weight and dimensions		· · · · · · · · · · · · · · · · · · ·	
Wheelbase	у	988 mm	
Overall Operating Height - Fully Raised	h27	3876 mm	
Height to Hinge Pin - Fully Raised	h28	3023 mm	
Overall Height to top of ROPS	h17	1948 mm	
Dump angle at full height	a5	38 °	
Dump height	h29	2379 mm	
Overall length with bucket	116	3101 mm	
Dump reach - Full height	r6	579 mm	
Rollback at ground	a13	28 °	
Rollback Angle at Full Height	a4	20 99 °	
Seat to ground height	h30	930 mm	
Overall width less bucket	b1	1582 mm	
Bucket Width	e1	1562 mm	
Ground clearance	m4	160 mm	
Overall length - Less Bucket	12	2390 mm	
Departure angle	a2	2390 mm	
Clearance Radius - Front with Bucket	62 b18	1869 mm	
Rear departure angle	010	21 °	
Performances		21	
Travel speed (unladen)		12.60 km/h	
Travel Speed with Two-Speed Option - Maximum		19.50 km/h	
Wheels		15.30 KII/II	
Standard tires		10 x 16.5 - 10 PR HD	
Engine		10 X 10.3 - 10 FK 11D	
Engine brand		Yanmar	
Engine model		4TNV98-ZNMS3R1	
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		4 12 V	
, ,		12 V 12 V	
Accessory plug		12 V 100 A	
Alternator - Ampere			
Starter		3 kW	
Hydraulics		71.40 l/min	
Standard flow - Auxiliary hydraulics		207 bar	
Auxiliary Hydraulic Pressure		207 086	
Tank capacities		(2.50.)	
Fuel tank		62.50	
Hydraulic tank capacity		41.60	
Displacement		3319 mm <sup>3</sup>	
LH Chain case		8.50 1	
RH Chain case		8.50 I	

## 1640R (iT4) - 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