Technical sheet:

850R



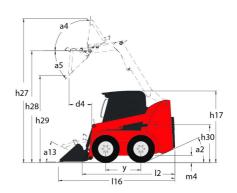


	850R Greated on May 18, 2024 at 10.41.55 PM
Capacities	Metric
Rated Operating Capacity	386 kg
Unladen weight	1352 kg
Weight and dimensions	
Overall Operating Height - Fully Raised	h27 3167 mm
Height to Hinge Pin – Fully Raised	h28 2438 mm
Overall Height to top of ROPS	h17 1897 mm
Dump angle at full height	a5 46 °
Dump height	h29 1836 mm
Overall length with bucket	l16 2576 mm
Dump reach - Full height	r6 376 mm
Rollback at ground	a13 23 °
Seat to ground height	h30 879 mm
Wheelbase	y 775 mm
Overall width less bucket	b1 909 mm
Bucket Width	e1 914 mm
Ground clearance	m4 150 mm
Overall length - Less Bucket	12 1905 mm
Departure angle	a2 30 °
Clearance Radius - Front with Bucket	b18 1473 mm
Clearance Circle - Front without Bucket	b19 833 mm
Clearance Circle - Front without bucket	wa1 1097 mm
Performances	Wa1 1097 IIIII
Travel speed (unladen)	8.90 km/h
Wheels	8.90 KIII/II
Standard tires	5.70x12
	5.70X1Z
Engine	Vermon
Engine brand	Yanmar
Engine model	3TNV82A-BPMSR
Engine norm	Stage V
Gross Power	18.10 kW
Net Power	17.80 kW
Max. torque / Engine rotation	86 Nm / 2400 rpm
Power source	Diesel
Battery voltage	12 V
Alternator	40 kW
Starter	1.70 kW
Hydraulics	
Standard flow - Auxiliary hydraulics	38.20 l/min
Auxiliary Hydraulic Pressure	145 bar
Tank capacities	
Fuel tank	29
Hydraulic oil tank capacity	27.30
Displacement	1.30
Noise and vibration	
Noise to environment (LwA)	101 dB
Noise at driving position (LpA)	85 dB
Whole-Body Vibration (ISO 2631-1)	1.05 m/s²
Vibration on hands/arms	< 1.53 m/s ²

850R - Dimensional drawing







Equipment







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