Technical sheet:

850R



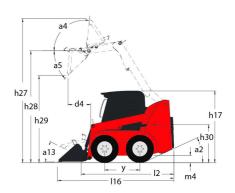


	850R Greated on 18 May 2024 at 11.17.52 F	WUUIC
Capacities	Metric	
Rated Operating Capacity	386 kg	
Unladen weight	1352 kg	
Weight and dimensions		
Overall Operating Height - Fully Raised	h27 3167 mm	
Height to Hinge Pin – Fully Raised	h28 2438 mm	
Overall Height to top of ROPS	h17 1897 mm	
Dump angle 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 - Profit without bucket	wa1 1097 mm	
Performances	wa i 1097 iliili	
Travel speed (unladen)	8.90 km/h	
Wheels	0.90 KIII/II	
Standard tires	5.70x12	
	5.70X1Z	
Engine	Vanua	
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/s²	

850R - Dimensional drawing







Equipment

-	
Integral Access Plate (removable)	Standard
Lifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
Lighting	
Work Lights - Front and Rear	Standard
Motorization/Power	
Engine Block Heater	Optional
Operator station	
Cab Enclosure	Optional
Foot and Hand Throttles 2	Standard
Full-Suspension Seat	Optional
Gehl T-Bar Controls	Standard
Heating	Optional
Hom	Optional
ROPS/FOPS Level II Overhead Guard	Standard
Other options	
Hydrostatic Drive - Servo	Standard
Selectable Self-Leveling Hydraulic Lift Action 4	Optional
Security	
Anti-Vandalism Protection	Standard
Back-Up Alarm	Optional
Brake Control (Auto / Manual)	Standard
Hydraloc™ Safety System	Standard
Lift Arm Support Device	Standard
Operator Restraint Bar	Standard





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