Technical sheet :





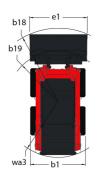


Capacities	
Rated Operating Capacity	
Unladen weight	
Weight and dimensions	
Wheelbase	у
Overall Operating Height - Fully Raised	h27
Height to Hinge Pin - Fully Raised	h28
Overall Height to top of ROPS	h17
Dump angle at full height	a5
Dump height	h29
Overall length with bucket	116
Dump reach - Full height	гб
Rollback at ground	a13
Seat to ground height	h30
Overall width less bucket	b1
Bucket Width	e1
Ground clearance	m4
Overall length - Less Bucket	12
Departure angle	a2
Clearance Radius - Front with Bucket	b18
Performances	
Travel speed (unladen)	
Wheels	
Standard tires	
Engine	
Engine brand	
Engine model	
Engine norm	
Gross Power	
Net Power	
Max. torque / Engine rotation	
Power source	
Battery voltage	
Alternator	
Starter	
Hydraulics	
Standard flow - Auxiliary hydraulics	
Auxiliary Hydraulic Pressure	
Tank capacities	
Fuel tank	
Hydraulic tank capacity	
Displacement	
Noise and vibration	
Noise to environment (LwA)	
Noise at driving position (LpA)	
Whole-Body Vibration (ISO 2631-1)	
Vibration on hands/arms	

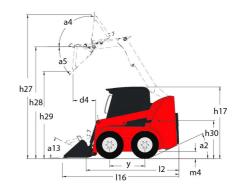
Metric
386 kg
 1352 kg
775 mm
3167 mm
2438 mm
1897 mm
46 °
1836 mm
2576 mm
376 mm
23 °
879 mm
909 mm
914 mm
150 mm
1905 mm
30 °
 1473 mm
8.90 km/h
5 70 - 10
5.70 x 12
Vanmar
Yanmar 3TNV82A.RDMSP
3TNV82A-BPMSR
3TNV82A-BPMSR Stage V
3TNV82A-BPMSR Stage V 18.10 kW
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min 145 bar
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min 145 bar 29 l
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min 145 bar 29 l 27.30 l
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min 145 bar 29 l 27.30 l
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min 145 bar 29 l 27.30 l 1.30 l
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min 145 bar 29 l 27.30 l 1.30 l
3TNV82A-BPMSR Stage V 18.10 kW 17.80 kW 86 Nm / 2400 rpm Diesel 12 V 40 kW 1.70 kW 38.20 l/min 145 bar 29 l 27.30 l 1.30 l

BSOR Created on August 13, 2025 at 3:45 AM UTC

850R - Dimensional drawing







Equipment

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



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