Technical sheet :







	105081
Capacities	
Operating Weight	
Unladen weight	
Operating Capacity at 35% Tipping Load	
Operating Capacity At 50% Tipping Load	
Tipping capacity	
Weight and dimensions	
Overall Operating Height - Fully Raised	h27
Height to Hinge Pin – Fully Raised	h28
Dump reach - Full height Dump angle at full height	r6 a5
Dump Height - Fully Raised	h29
Maximum Rollback Angle - Fully Raised	a4
Overall Height to top of ROPS	h17
Overall length with bucket	16
Overall Length without Bucket	1
Specified Height	h31
Reach at Specified Height	r4
Dump angle at specified height	a17
Maximum Rollback Angle at Ground	a13
Carry Position	d5
Maximum Rollback Angle at Carry Position	a14
Digging Position	h32
Angle of Departure with STD Counterweight	
Ground clearance	m4
Track gauge	b10
Track Shoe Width	b20
Crawler base	y2
Overall width less bucket	b1
Bucket Width	e1
Clearance Radius - Front with Bucket	b18
Clearance Circle - Rear	wa1
Maximum rollback at specified height Angle of Approach	a3
Grouser Height	83
Track Type / Track Rollers / Roller Type	
Performances	
Ground Speed - Single Speed	
Drawbar Pull/Tractive Effort	
Bucket Breakout - Tilt Cylinder	
Bucket Breakout - Lift Cylinder	
Engine	
Engine brand	
Engine model	
Motor Type	
Gross Power / Power	
Net Power / Power	
Max. torque	
I.C. Engine power rating	
Battery voltage	
Cold Cranking Amps at Temperature (CCA)	
Altemator - Voltage / Ampere Hydraulics	
Standard flow - Auxiliary hydraulics	
Tank capacities	
Oil Pan Capacity	
Hydraulic oil tank capacity	
Fuel tank	
Coolant system capacity	
Displacement / Number of cylinders	
Noise and vibration	
Noise to environment (LwA)	
Noise to environment (LwA) Noise at driving position (LpA)	

2141 kg
1928 kg
476 kg
680 kg
1361 kg
3650 mm
2769 mm
673.10 mm
38 °
2134 mm
102 °
1816 mm
2985 mm
2258 mm
1466 mm
991 mm
72 °
32 °
127 mm
32 °
0 mm
35 °
191 mm
1039 mm
250 mm
1283 mm
1290 mm
1372 mm
1854 mm
1290 mm
72 °
90 °
25 mm
Rubber / 4 / Steel
10.10 km/h
1996 kg
1346 kg
1376 kg
Managar
Yanmar
3TNV88C-KMSV
3TNV88C-KMSV Radial Piston
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 I/min
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 I/min 5.87 I
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 l/min 5.87 l 30 l
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 l/min 5.87 l 30 l
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 l/min 5.87 l 30 l 36 l
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 l/min 5.87 l 30 l
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 l/min 555 l/min 30 l 36 l 6.62 l 1.64 l / 3
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 l/min 55 l/min 30 l 36 l 6.62 l 1.64 l / 3
3TNV88C-KMSV Radial Piston 25.50 kW @ 2800 rpm 23.70 kW / 2800 rpm 109.40 Nm 34.20 Hp 12 V 800 A 12 V / 55 A 55 l/min 555 l/min 30 l 36 l 6.62 l 1.64 l / 3

1050RT - Dimensional drawing



Equipment

Lifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
IdealTrax [™] Automatic Track Tensioning System	Standard
Motorization/Power	
Combination Radiator & Hydraulic Oil Cooler	Standard
Dual-Element Air Cleaner with Indicator	Standard
Engine Auto-Shutdown System	Optional
Glowplugs Starts Assist	Standard
Operator station	
Foot Throttle	Standard
Full-Suspension Seat	Optional
Multi-Function Display Screen	Standard
ROPS/FOPS Level II Overhead Guard	Standard
Sliding Side Windows	Standard
Swing-out Cab Door	Standard
Other options	
Selectable Self-Leveling Hydraulic Lift Action 4	Optional
Pneumatics	
Rubber Track Undercarriage System	Standard
Secondary functions	
Counterweight	Standard
Dedicated Undercarriage	Standard
Security	
Anti-Vandalism Protection	Standard
Back-Up Alarm	Standard
Easy Manager	Standard
Engine Alert System with Error Display	Standard
Mechanical Lift Cylinder Lock	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