Technical sheet:

MLA 4-50 H





Capacities		Metric	Imperial
Static tipping load with bucket (straight)		1839 kg	4054 lb
Static tipping load with bucket (full turn)		1205 kg	2657 lb
Static tipping load with forks (straight)		1480 kg	3263 lb
Static tipping load with forks (full turn)		971 kg	2141 lb
Max. height of bucket pivot point	h35	2836 mm	112 in
Max. lifting height (below forks)	h3	2.77 m	9 ft 1 in
Breakout force with bucket		2412 daN	2412 daN
Weight and dimensions			
Unladen weight (with forks) with 2-post canopy		2740 kg	6041 lb
Unladen weight (with forks) with 4-post canopy		2790 kg	6151 lb
Overall length to carriage (with hitch)	l11	3.55 m	11 ft 8 in
Wheelbase	у	1.62 m	5 ft 4 in
Overall width of 2 posts canopy	b21	1.01 m	3 ft 4 in
Overall width of 4 posts canopy	b22	1.02 m	3 ft 4 in
Overall height with 4 posts canopy	h38	2258 mm	89 in
Dump reach - Full height	r6	479 mm	19 in
Overall Operating Height - Fully Raised	h27	3636 mm	143 in
Tilt-up angle	a4	45 °	45 °
Tilt-down angle	a5	53 °	53 °
Articulation angle	a19	45 °	45 °
Overall width less bucket	b1	1110 mm	44 in
Overall length - Less Bucket	12	3583 mm	141 in
Dump angle - Fully raised	a5	42 °	42 °
Dump Height - Fully Raised	h29	2126 mm	84 in
Maximum Rollback Angle - Fully Raised	a4	48 °	48 °
Digging Position	h32	-79 mm	-3 in
		0.25 m	-5 iii 10 in
Ground Clearance	m4	0.25 m 2655 mm	
Ground Plane to Bucket Edge Height	h42		105 in
Height to Hinge Pin – Fully Raised	h28	2900 mm	114 in
Engine		V.	
Engine brand		Yanmar	Yanmar
Engine model		4TNV88	4TNV88
Engine norm		Stage IIIA	Stage IIIA
Number of cylinders / Capacity of cylinders		4 - 2200 cm³	4 - 134 in³
I.C. Engine power rating / Power		47 Hp / 35 kW	47 Hp / 35 kW
Max. torque / Engine rotation		1680 Nm / 137 rpm	1239 ft/lbs / 137 rpm
Engine cooling system		2 radiators water + hydraulic oil	2 radiators water + hydraulic oil
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2/2	2/2
Max. travel speed (may vary according to applicable regulations)		20 km/h	12 mph
Differential lock		Front and rear locking of the machine	Front and rear locking of the machine
Parking brake		Manual	Manual
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow - Pressure		57 I/min / 207 bar	15 US gpm / 3002 PSI
Drive hydraulic system pressure		410 bar	5947 PSI
Tank capacities			
Hydraulic oil		42 I	11 US gal
Fuel tank		50 I	13 US gal
Noise and vibration			
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s ²
Miscellaneous			
Safety cab homologation		ROPS - FOPS level 1 cab	ROPS - FOPS level 1 cab

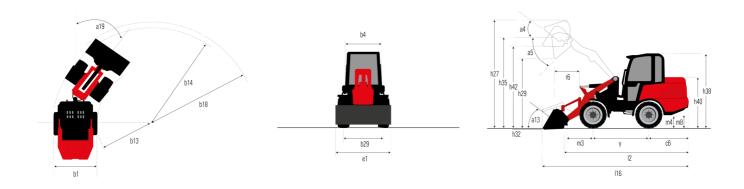
Options / Finishing

S : Standard / O : Optional / - : Not available

Lifting function	
Attachment hydraulic line	
Easy Connect System (ECS)	
Hydraulic attachment locking	
Operator station	
Adjustable and telescopic steering column	
Air suspension seat	
Canopy	
Suspension Seat - Mechanical	
Motorization/Power	
Continuous flow hydraulics	
Hand throttle	
Self cleaning air prefilter	
Lighting	
Complete road lighting	
Front and rear work lights on cab (x4)	

Essential
S
S
0
S
0
S
S
S
S
S
0
\$

MLA 4-50 H - 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