

Technical sheet :

MLA 5-50 H



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Static tipping load with bucket (straight)		1880 kg	4145 lb
Static tipping load with bucket (full turn)		1650 kg	3638 lb
Static tipping load with forks (straight)		1470 kg	3241 lb
Static tipping load with forks (full turn)		1295 kg	2855 lb
Max. height of bucket pivot point	h35	3070 mm	121 in
Weight and dimensions			
Unladen weight (with forks) with 4-post canopy		2678 kg	5904 lb
Wheelbase	y	1770 mm	70 in
Overall cab width	b4	991 mm	39 in
Overall height with 4 posts canopy	h38	2290 mm	90 in
Dump reach - Full height	r6	458 mm	18 in
Hood Height	h40	1469 mm	58 in
Overall Operating Height - Fully Raised	h27	3870 mm	152 in
Articulation angle	a19	40 °	40 °
Maximum oscillation angle		10 °	10 °
Overall length with bucket	l16	4490 mm	177 in
Overall width less bucket	b1	1330 mm	52 in
Overall length - Less Bucket	l2	3792 mm	149 in
Rear overhang	c6	1146 mm	45 in
Dump angle - Fully raised	a5	47 °	47 °
Dump Height - Fully Raised	h29	2301 mm	91 in
Maximum Rollback Angle - Fully Raised	a4	46 °	46 °
Maximum Rollback Angle at Ground	a13	50 °	50 °
Digging Position	h32	-72 mm	-3 in
Ground clearance	m4	356 mm	14 in
Clearance Radius - Front with Bucket	b18	3361 mm	132 in
Clearance Radius - Less bucket	b14	2888 mm	114 in
Ground Plane to Bucket Edge Height	h42	2837 mm	112 in
Tread width (wheel center)	b29	946 mm	37 in
Attachment Pivot Clearance		168 mm	7 in
Height from ground to axle center	m8	230 mm	9 in
Bucket Width	e1	1520 mm	60 in
Front Wheel Center to Pivot Pin	m3	733 mm	29 in
Height to Hinge Pin - Fully Raised	h28	3070 mm	121 in
Engine			
Engine brand		Perkins	Perkins
Engine model		403J-E17T	403J-E17T
Engine norm		Stage V	Stage V
Number of cylinders		3	3
I.C. Engine power rating / Power		48 Hp / 36 kW	48 Hp / 36 kW
Max. torque / Engine rotation		166 Nm / 1600 rpm	122 ft/lbs / 1600 rpm
Engine cooling system		Water	Water
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
Service brake		Inching Brake	Inching Brake
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow - Pressure		60 l/min / 207 bar	16 US gpm / 3002 PSI
High-Flow Option (l/min)		60 l/min	16 US gpm
Tank capacities			
Hydraulic oil		50 l	13 US gal
Fuel tank		65 l	17 US gal



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