Technical sheet :

MBL 745 S

Manitou is committed to bringing value to its backhoe loaders by incorporating advanced and robust features for multi-application capabilities. MBL 745 is powered by a BS-IV engine for best-in-class fuel efficiency and reduced emissions. MBL structure is durable and designed for intensive operations. It comes with the latest cabin design and unbreakable bonnet, delivers higher uptime, and requires low maintenance, even after prolonged usage. Customers get quick returns on their investments on top of an optimum Total Cost of Ownership.





Capacities		Metric
Wheelbase 2 wheels drive		2185 mm
Weight and dimensions		7405 km
Unladen weight	11	7405 kg
Overall length	11	7330 mm
Overall width	b1	2330 mm
Cabin height	h6	2830 mm
Overall height	h17	3790 mm
External turning radius over tyres (braked)	Wa1	3.30 m
External turning radius over tyres (unbraked)	Wa1	4.30 m
External turning radius over bucket (braked)	Wa5	5 m
External turning radius over bucket (unbraked)	Wa5	5.75 m
Standard tires front / rear		12.5 x 18 - 12 PR / 16.9 x 28-12PR
Optional tyre (front / rear)		9 x 16 - 16 PR / 14 x 25 - 20 PR
Reach at travelling	c2	2098 mm
Rear axle center to slew center	c3	1293 mm
Ground clearance	m4	280 mm
Performances		
Travel speed forward 1st / 2nd		5.40 km/h / 8.60 km/h
Travel speed forward 3rd / 4th		19.90 km/h / 40 km/h
Engine		
Engine brand		Koel
Engine model		4R1190NA1 Naturally Aspirated Water Cooled BS IV CEV
Displacement		4.76 l
Gross Power / Power		54.80 kW @ 2200 rpm
Max. torque		300 Nm
Battery voltage / capacity		12 V / 142 Ah
Transmission		
Transmission brand		Carraro
Number of gears (forward / reverse)		4 / 4
Torque converter stall ratio		2.64:1
Service brake		Wet disc brakes
Hydraulics		
Hydraulic flow		119 l/min
Main relief pressure		225 bar
Tank capacities		
Hydraulic oil		90
Liguid cooling tank volume		16
Fuel tank		120 I
Transmission oil		17.50
Engine oil		111
Oil rear axle		17.10
Bucket		
Backhoe standard capacity		0.27 m³
Width backhoe bucket		889 mm
Loader standard capacity		1 m ³
Width loader bucket		2235 mm
Miscellaneous		
Power steering		Yes
Front steer axle of oscillation 2WD		20 °
Steering wheels (front / rear)		2/2
		212

MBL 745 S Created on July 4, 2025 at 2:11 AM UTC

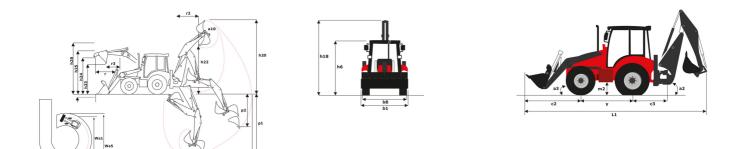
Performance backhoe

p1 - Max dig depth (mm)
r1 - Max reach ground level to slew center (mm)
r2 - Max loading reach (mm)
Max operating height (mm)
h22 - Max loading height SAE (mm)
Max loading height (mm)
p2 - Max straight wall dig depth (mm)
a10 - Max bucket rotation (°)
Total side shift (mm)
Dipper tearout (kgF)
Bucket tearout (kgF)
Hydraulic lift capacity (kg)

Performance loader

	Standard shovel
Max dump angle (°)	51
h26 - Max operating height (loader version) (mm)	4230
h23 - Max dump height at 45° (mm)	2780
h24 - Max loadover height (mm)	3310
h25 - Max hinge pin height (mm)	3570
r3 - Max reach at full height 45° (mm)	710
p3 - Below ground dig depth (mm)	156
a13 - Rollback at ground (°)	45
Shovel breakout (kgf)	5229
Arms breakout (kgF)	4691
Lifting capacity at full height (kg)	3467

MBL 745 S - Dimensional drawing



Optional buckets

Oracatita	ne de	Description
Capacity	Width	Deep profile
0.31 m ³	1082 mm	
0.27 m ³	889 mm	Yes
0.27 m ³	972 mm	Yes
0.24 m ³	808 mm	Yes
0.24 m ³	892 mm	
0.20 m ³	724 mm	-
0.18 m ³	722 mm	
0.15 m ³	599 mm	-
0.12 m ³	542 mm	
0.11 m ³	384 mm	-
0.10 m ³	457 mm	
0.08 m ³	300 mm	-



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