Technical sheet :

MBL 745 HT +

Manitou is committed to bringing value to its backhoe loaders by incorporating advanced and robust features for multi-application capabilities. Powered by a BS-IV engine, MBL 745 HT + variant is launched for improved operational economics for our customers. It comes with a variable displacement pump which improves hydraulics in handling flow rate and pressure based on load and improves the cycle time compared to other higher power engines.





IBL 745 HT +	Created on	June 17,	2025 at	6:01	PM UTC
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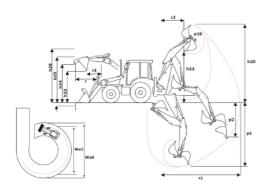
	MBL 745 HT +	Created on June 17, 2025 at 6:01 PM UTC	
Capacities		Metric	
Wheelbase 2 wheels drive		2185 mm	
Wheelbase 4 wheels drive		2130 mm	
Weight and dimensions			
Unladen weight with 2 WD		7515 kg	
Unladen weight with 2 WD 7 in 1		7805 kg	
Unladen weight with 4 WD		7635 kg	
Unladen weight with 4 WD 7 in 1		7925 kg	
Unladen weight 4WD - Center mount		7710 kg	
Overall length	11	7330 mm	
Overall width	b1	2330 mm	
Cabin height	h6	2830 mm	
Height of cab with air conditioning (option)	h6**	2860 mm	
Overall height	h17	3790 mm	
External turning radius over tyres (braked) / External turning radius over tyres (braked) 4WD	Wa1	3.30 m / 3.85 m	
External turning radius over tyres (unbraked) / External turning radius over tyres (unbraked) 4WD	Wa1	4.30 m / 4.20 m	
External turning radius over bucket (braked) / External turning radius over bucket (braked) 4WD	Wa5 / Wa5	5 m / 5.55 m	
External turning radius over bucket (unbraked)	Wa5	5.70 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	5730 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		4R1190TA-H.T Turbo Charged Water Cooled BS IV CEV	
Displacement		4.76 l	
Gross Power / Power		54.80 kW @ 2200 rpm	
Max. torque		400 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		143 l/min	
Main relief pressure		225 bar	
Tank capacities		20	
Hydraulic oil		901	
Liquid cooling tank volume		161	
Fuel tank		120	
Transmission oil		17.50	
Engine oil		111	
Oil rear axle		17.10	
Oil rear axle 4WD		17.50 l	
Bucket		0.073	
Backhoe standard capacity		0.27 m ³	
Width backhoe bucket		889 mm	
Loader standard capacity		1 m ³	
Width loader bucket		2235 mm	
Miscellaneous Power steering		Yes	
Power steering Front steer axle of oscillation 2WD		Yes 20 °	
Front steer axle of oscillation 2WD		20 °	
Steering wheels (front / rear)		2/2	
Sicening mileers (110111 / 1601)		<i>L I L</i>	

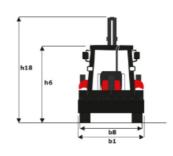
Performance backhoe

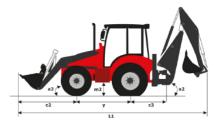
Performance loader

Max dump angle (°)
h26 - Max operating height (loader version) (mm)
h23 - Max dump height at 45° (mm)
h24 - Max loadover height (mm)
h25 - Max hinge pin height (mm)
r3 - Max reach at full height 45° (mm)
p3 - Below ground dig depth (mm)
a13 - Rollback at ground (°)
Shovel breakout (kgf)
Arms breakout (kgF)
Lifting capacity at full height (kg)

MBL 745 HT + - Dimensional drawing









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