



The ALL New MBL

RELIABLE • POWER • UNSTOPPABLE



#BringTheRevolution

MBL 745 S | **MBL 745HT S**

 **MANITOU**
HANDLING YOUR WORLD

MANITOU 60 YEARS OF TRUST

Manitou gives the best that one would have ever wanted. We work day and night to keep your business running, to give you the best which you deserve. MBL 745 S and MBL 745HT S are the most reliable backhoe loaders making it highly adaptable for different Applications

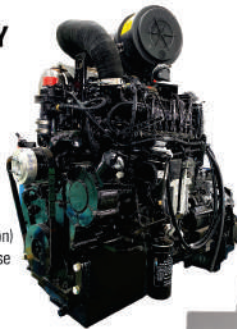
MBL	745	HT	S/CM
Manitou Backhoe Loader	74.5 hp	High Torque	S: Side Shift CM: Center Mount

RELIABILITY WITH EFFICIENCY

BSIV Engine - 74.5 hp Naturally Aspirated and 74.5 hp High Torque



- New fuel-efficient CEV IV Kirloskar engine
- Superior Performance
- ECU coupled with CRDI (Common Rail Direct Injection) system provides higher - output power and torque rise while offering enhanced fuel efficiency by 10%
- Less pollution means Healthier you



AXLE & TRANSMISSION

- Front Axle: Carraro make reliable axle with less sub assemblies for economical maintenance. (only for 4WD)
- Rear Axle: Mounted with Planetary final drives.
- Carraro make - 4 speed synchro shift type transmission smooth operation.
- Full synchromesh gears & hydraulically shifted forward & reverse shuttle clutches allow direction & travel speed to be changed on-the-go.

ROBUST & RELIABLE



Protects your machine during impacts.

- The new bonnet design ensures better operator visibility
- The new side grills prevent any granular entry
- The flip open design allows larger view of components

UNBREAKABLE[®] DCPD BONNET & NOSE



*Terms & conditions apply

WORK WITH EASE[®] & LESS-FATIGUE

You will never leave the cabin of your BACKHOE !



Comfortable seat with Headrest & Armrest

Adjustable Steering Wheel



Smooth & Effortless Levers

Foot Mounted Throttle Peddle



STANDARD TELEMATICS -EASY MANAGER

- Now get digital twin of your machine on smartphone with MyManitou App.
- Plan your Manitou fleet better and optimise your business. Access live machine information

Easy MANAGER | **THE CONNECTED SOLUTION**
To improve your productivity.

- SERVICE** Running Hours Engine Parameters (Including Fuel Level)*
- OPERATION** Engine Status Machine Utilisation Report
- SECURITY** GPS Tracking Geofencing



MANITOU
HANDLING YOUR WORLD

*monthly charges applicable

Technical Specifications

Engine		
Engine brand	Kirloskar	
Engine model	4R1190NA1 Naturally Aspirated Water Cooled BS IV CEV	4R1190TA-H.T Turbo Charged Cooled BS IV CEV
Max. capacity (l)	4.76 l	4.76 l
Gross Power (hp)	74.5 hp @ 2200 rpm	74.5 hp @ 2200 rpm
Max. torque	300 Nm @ 1320 rpm	400 Nm @ 1200 rpm
Battery / Batteries capacity	12 V / 130 Ah	12 V / 130 Ah
Transmission & Axle		
Transmission brand	Carraro	
Number of gears (forward / reverse)	4 / 4	4 / 4
Torque converter stall ratio	2.64:1	2.64:1
Service brake	Wet disc brakes	
Power steering	Yes	
Front steer axle of oscillation	20 °	16 °
Steering wheels (front / rear)	'2 / 2	'2 / 2
Hydraulics		
Hydraulic flow	119 l/min	119 l/min
Main relief pressure	225 Bar	225 Bar
Tyres		
Standard tyres (front / rear)	12.5 x 18 - 12 PR / 16.9 x 28-12PR	12.5 x 18 - 12 PR / 16.9 x 28-12PR
Optional tyres HD(front / rear)	9 x 16 - 16 PR / 14 x 25 - 20 PR	—
Travel Speed		
Travel speed forward 1st / 2nd	5.4 km/h / 8.6 km/h	5.4 km/h / 8.6 km/h
Travel speed forward 3rd / 4th	19.9 km/h / 40 km/h	19.9 km/h / 40 km/h
Bucket		
Backhoe standard capacity	0.27 cm³	0.27 cm³
Width backhoe bucket	889 mm	889 mm
Loader standard capacity	1 m³	1 m³
Width loader bucket	2235 mm	2235 mm
Static Dimensions		
Overall length	l1	7330 mm
Overall width	b1	2330 mm
Cabin height	h6	2830 mm
Overall height	h17	3790 mm
Wheel Base		2185 mm
Ground Clearance		280 mm
Tank Capacities		
Hydraulic oil	90 l	90 l
Liquid cooling tank volume	16 l	16 l
Fuel tank	120 l	120 l
Transmission oil	17.50 l	17.50 l
Engine oil	11 l	11 l
Oil rear axle	17.10 l	17.50 l
Turning Radius		
External turning radius over tyres (unbraked / braked)	4.3 m / 3.3 m	4.2 m / 3.85 m
External turning radius over bucket (unbraked / braked)	5.75 m / 5 m	5.7 m / 5.55 m

Optional Features		
AC cabin	—	
Body color option Red		
Body color option Yellow		

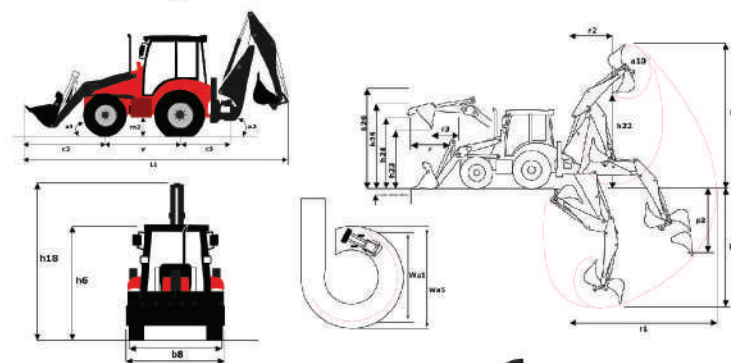
Performance Backhoe

	MBL 745 S	MBL 745HT S
p1 - Max dig depth (mm)	4741	4741
r1 - Max reach ground level to slew center (mm)	5730	5730
r2 - Max loading reach (mm)	1996	1996
Max operating height (mm)	5626	5626
h22 - Max loading height SAE (mm)	3871	3871
Max loading height (mm)	3871	3871
p2 - Max straight wall dig depth (mm)	2602	2602
a10 - Max bucket rotation (°)	194	194
Total side shift (mm)	1198	1198
Dipper tearout (kgF)	3942	3942
Bucket tearout (kgF)	5810	5810
Hydraulic lift capacity (kg)	1460	1460

Performance Loader

	MBL 745 S	MBL 745HT S
Max dump angle(°)	51	51
h26 - Max operating height (loader version) (mm)	4230	4230
h23 - Max dump height at 45°(mm)	2780	2780
h24 - Max loadover height(mm)	3310	3310
h25 - Max hinge pin height(mm)	3570	3570
r - Max reach at full height(mm)	1153	1153
r3 - Max reach at full height 45°(mm)	710	710
p3 - Below ground dig depth(mm)	156	156
Rollback at ground(°)	45	45
Shovel breakout (kgf)	5229	5229
Arms breakout(kgF)	4691	4691
Lifting capacity to full height(kg)	3467	3467

Dimensional Drawing



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