

#BringTheRevolution

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



# **60 YEARS OF TRUST**

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

Manitou is a world-renowned name for over 60 years and is recognised for excellence in innovation, technology and customer support

Manitou has built a reputation of providing efficient and effective solutions that help increase productivity for our customers. Indeed, at Manitou, it is trust that counts. In order to keep businesses running, 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

Manitou

Backhoe Loader

High Torque

S: Side Shift

CM: Center Mount

# RELIABILITY WITH EFFICIENCY/

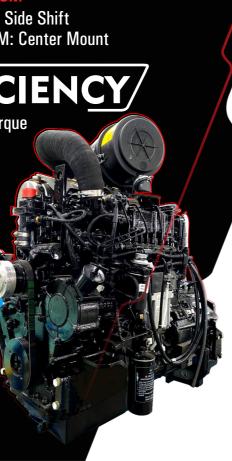
BSIV Engine - 74.5 hp Naturally Aspirated and 74.5 hp High Torque

- 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%

74.5 hp

Less pollution means Healthier you







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**BACKHOE BUCKET** 

#BringTheRevolution **MBL** 745 S | **MBL** 745HT S

Standard 1 Cubic Meter capacity with best in class 45° roll back angle of loader bucket helps in more efficient material handling and loading performance.

# **Higher loading and dumping height**

MBL offers higher loading height and best in class dumping height for more efficient loader performance. Suitable for filing Tippers and heavy body trucks.

# **Loader bucket cylinder**

MBL is equipped with a Single Tilt Diversion Loader Arm. The loader arm is made up of high tensile strength steel offering better visibility, ease in operation and higher tear out forces

# **Increased Breakout forces**

MBL offers best in class breakout force allowing the machine to work with more power without being stressed.

## **Loader Locking Mechanism**





### **Excavator Bucket**

Specially designed standard 0.27 cubic meter deep profile bucket helps you extract maximum material per dig with lesser chance of spillage.

# **Boom & dipper reinforcement**

Additional reinforcements on boom and dipper structure, which adds extra strength and is more reliable. Thereby reducing maintenance cost and increasing productivity

# **Boom & swing cylinder**

The powerful cushioning system, integrated into the Boom and Swing cylinders, softens movement at the ends of the stroke to absorb shock and increase cylinder life as well as avoids impacts to the structure.





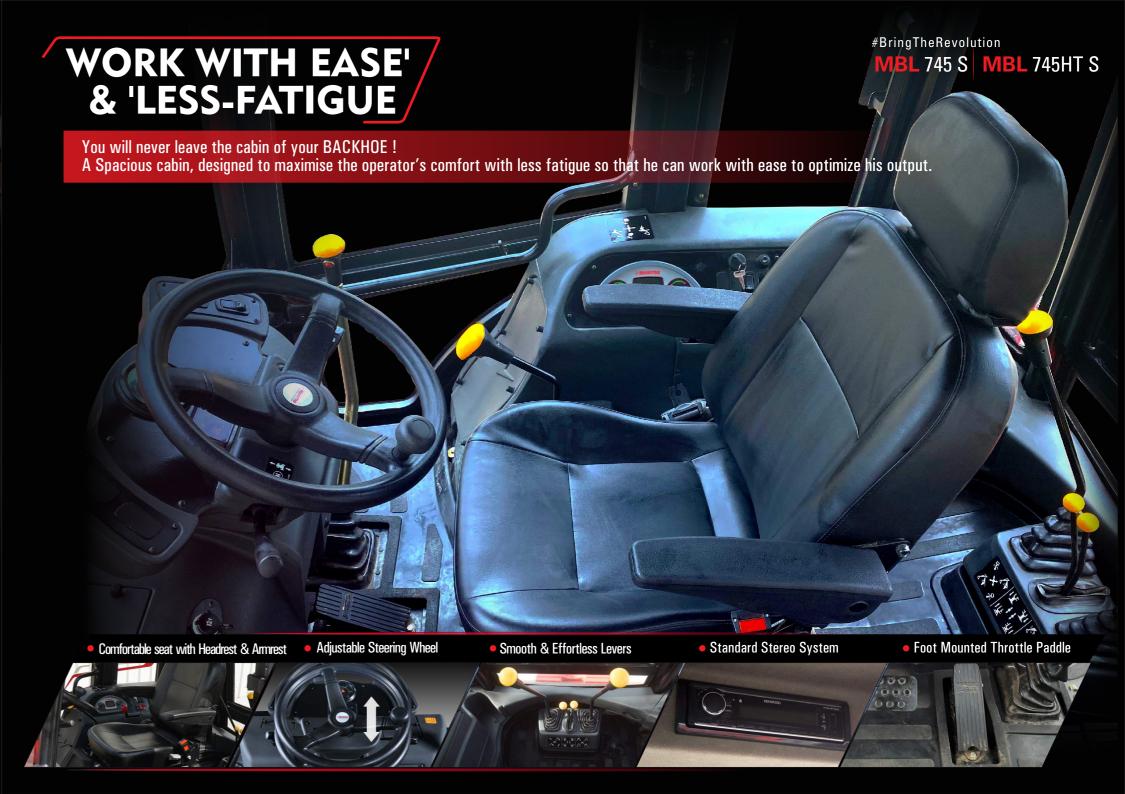


Protects your machine during impacts.

- 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







□ Now get digital twin of your machine on smartphone with MyManitou App. ☐ Plan your Manitou fleet better and optimise your business.

STANDARD TELEMATICS

Access live machine information



-EASY MANAGER





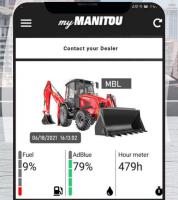
SERVICE Running Hours Engine Parameters (Including Fuel Level\*















reach by 3.5 Feet. This allows to dig a longer flat-bottom trench without having to reposition the machine, thus improving productivity it also allows the operator to place the soil farther from



he extending dipper adds the additional machine

# **Excavator Bucket**

- 0.10 m<sup>3</sup> Ditch Cleaning 0.08 m<sup>3</sup> Heavy Duty Bucket - 0.20 m
- 0.12 m<sup>3</sup> • 0.15 m<sup>3</sup>
- 0.18 m<sup>3</sup>
- 0.24 m³
- 0.27 m<sup>3</sup>
- 0.31 m³



# Loader Bucket

- 1.0 m<sup>3</sup>
- 1.2 m<sup>3</sup>
- 7 in 1 multi purpose
- Bucket with Pallet Fork Grapple Bucket



# Rock Breaker

- Max Energy Per Blow 1017 J
- High blow energy constant throughout the engine revolution range
- Powerful, gas fired hammer uses less oil at lower working Pressures for greater efficiency

# SPARE PARTS GO GENUINE!

# **Why Manitou Group Parts?**

The Manitou Group designs, produces and distributes material handling equipment and services, of people elevation and earthworks for construction, agriculture and industry. The spare parts logistics centers offer users the components necessary for the maintenance or repair of their machines. Distributed through around the world, these Warehouses and Well established Dealer network provide fast, reliable and quality service to the end customers.

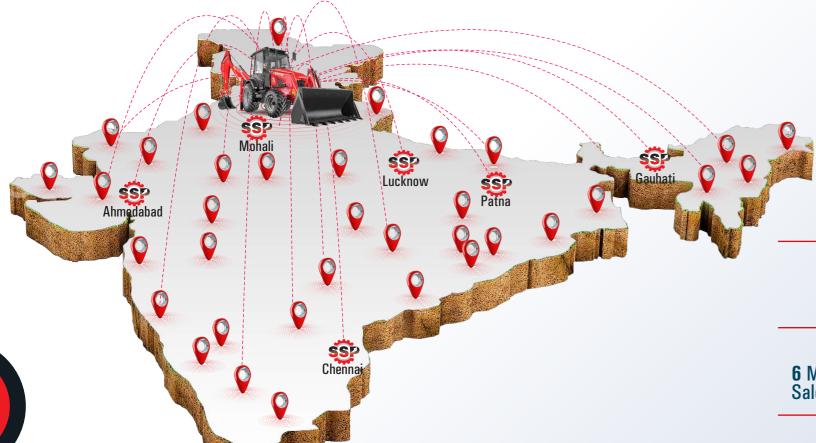
With a variety of Options to choose like AMC, CSA, Total Maintenance contracts, the end customer has the absolute option to stay comforted in terms of Spares and Services



# A STRONG AND RELIABLE SUPPORT NETWORK

Customers are our priority.

That's why we are present all around through a large network of dealers ready to help our customers find solutions adapted to their needs!





**50** + Dealers



**150** + Outlets



6 Manitou owned Sale & Service Point



24x7 Customer Support









# #BringTheRevolution MBL 745 S MBL 745HT S

# **Technical Specifications**

Engine		MBL 745 S	MBL 745HT S
Engine brand		Kirloskar	Kirloskar
Engine model		4R1190NA1 Naturally Aspirated Water Cooled BS IV CEV	4R1190TA-H.T Turbo Charged Cooled BS IV CEV
Max. capacity (I)		4.76	4.761
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		MBL 745 S	MBL 745HT S
Transmission brand		Carraro	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	Wet disc brakes
Power steering		Yes	Yes
Front steer axle of oscillation		20 °	16 °
Steering wheels (front / rear)		'2 / 2	'2/2
Hydraulics		MBL 745 S	MBL 745HT S
Hydraulic flow		119 l/min	119 l/min
Main relief pressure		225 Bar	225 Bar
·			MBL 745HT S
Tyres Standard tyres (front / rear)		MBL 745 S	
Optional tyres (HOHL/ rear)		12.5 x 18 - 12 PR / 16.9 x 28-12PR	12.5 x 18 - 12 PR / 16.9 x 28-12PR
Travel Speed		9 x 16 - 16 PR / 14 x 25 - 20 PR	MADI ZAFUT C
<u> </u>		MBL 745 S	MBL 745HT S 5.4 km/h / 8.6 km/h
Travel speed forward 1st / 2nd		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		MBL 745 S	MBL 745HT S
Backhoe standard capacity		0.27 cm <sup>3</sup>	0.27 cm <sup>3</sup>
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	I1	MBL 745 S 7330 mm	MBL 745HT S 7330 mm
Overall length			
Overall width	b1	2330 mm	2330 mm
Cabin height	h6	2830 mm	2830 mm
Overall height	h17	3790 mm	3790 mm
Wheel Base		2185 mm	2130 mm
Ground Clearance		280 mm	280 mm
Tank Capacities		MBL 745 S	MBL 745HT S
Hydraulic oil		90 I	90 I
Liquid cooling tank volume		16 I	16 I
Fuel tank		120 l	120 I
Transmission oil		17.50 I	17.50 I
Engine oil		11	11 I
Oil rear axle		17.10	17.50 l
Turning Radius		MBL 745 S	MBL 745HT S
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 fetures		MBL 745 S	MBL 745HT S
AC cabin			Yes
Body color option Red			
Body color option Yellow			

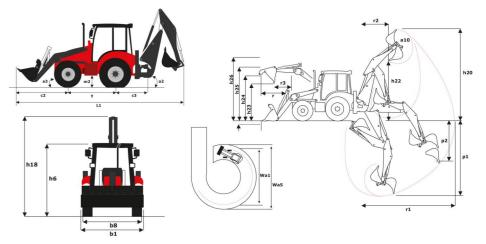
### Performance Backhoe

	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**































Effective Date: July, 2021. All dimensions, weights & timings are variable within 1.5%, Company reserves the right to change specications without prior notice. The illustration do not necessarily show the standard version of the machine. Product specications & prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instruction on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product & sale & we make no other warranty, express or implied.



#### Manitou South Asia Pvt. Ltd.

Regd.Office: 1st Floor, Plot No. A-10, Block-B1, Main Mathura Road, Mohan Co-op Indl. Estate, New Delhi -110044 Tel.: 011- 407 42701 E-mail: info.mind@manitou-group.com Web: www.manitou.com



