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Mahindra Thar Hard-Top : a unique model in a classic guise

The Indian manufacturer offers a polyvalent vehicle, widely customizable, reinterpreting the classic off-road vehicle and inventing a new segment of the 4x4 market, proposing itself as a starting point for all those who want to approach the off-road world.

For those who want to approach for the first time the off-road experience without spending lots of money, for those who look for a vehicle to go everywhere and to use for work or spare time or simply for those who want a 4x4 made to measure, the Indian manufacturer Mahindra presents Thar, a compact vehicle with front traction representing something absolutely new on the European market. With an intentionally classic look reminding of the legendary 4x4 vehicles that made the off-road history, Mahindra Thar represents an absolutely unique proposal. At a very contained price, it's possible to buy a true 4x4 off-road vehicle, complete with all basic equipments, but at the same time widely customizable to answer the most different needs of mobility of the customer.

Simple, compact, strong, able to arrive everywhere as requested to a true off-road, Mahindra Thar takes its name from the Thar Desert or Great Indian Desert. First shown in Europe as a prototype at the 2008 Bologna Motor Show, Mahindra Thar Hard-Top is equipped with a 4 cylinders in line turbodiesel 2,500 cc direct injection common-rail engine with intercooler, producing 107 CV (79 kW), designed by the Austrian manufacturer AVL in cooperation with the German Bosch and produced in India by Mahindra itself. The mechanical side is completed by a manual 5-speed gearbox coupled to a manual operated Borg Warner reducer acting also as a splitter and by free front hubs with automatic clutch. The front suspensions are independent with torsion bars, while the rear show rigid

link with leafsprings and shock-absorbers. Brakes are with ventilated discs at the front and with drum at the rear. The 6.5Jx16 inches steel wheels (on request the light alloy 7.0Jx16) are equipped with 235/70 R16 tyres. This compact 4x4 vehicles (length 3.920 mm, width 1,710 mm, height 1,930 mm) has a chassis with steel side frame supporting an open body covered by a fibreglass hard-top.

The Thar Desert or Great Indian Desert is a large desert area in the North-West part of the Indian sub-continent. With an area of more than 200,000 square meters, it's the seventh desert in the world. Most of its surface is in the Indian State of Rajasthan and extends itself in the Southern part of the States of Punjab, Haryana and North Gujarat.

Mahindra Thar Hard-Top

Technical specifications

Engine	
Model	2.5 CDRé
Installation	front, longitudinal
Type	turbodiesel common-rail with intercooler
Cylinders	4 in line
Capacity (cc)	2,498
Power CV (kW) / rpm	107 (79) at 3,800 rpm
Max torque kgm (Nm) / rpm	25.5 (250) at 1,800-2,200 rpm
Compression ratio	17.8 : 1
Transmission	
Gearbox	5 + reverse with reduction on all ratios
Gear ratios	1st: 3.780:1 2nd: 2.090:1 3rd: 1.380:1 4th: 1.000:1 5th: 0.790:1 reverse: 3,530:1
Clutch	hydraulic, screen spring, dry monoplate
Traction	rear (front manually operated)
Chassis	
Construction	side frame

Front suspensions	indipendent, torsion bars
Rear suspensions	rigid link, leafsprings
Front brakes	ventilated discs
Rear brakes	Drum
Servo brake	vacuum assisted
Wheels	6.5Jx16", steel (7.0Jx16", light alloy on request)
Tyres	235 / 70 R16
Body	
Type	open with hard-top in fibreglass
N° of seats	2 or 4
Length mm	3,920
Width mm	1,710
Height mm	1,930
Wheelbase mm	2,430
Min. ground clearance (mm)	200
Front track (mm)	1,445
Rear track (mm)	1,346 (1,416 with light alloy wheels)
Kerb weight (kg)	1,750
Fuel tank diesel capacity (l)	60
Front overhang (mm)	570
Rear overhang (mm)	920
Approach angle (degrees)	46
Departure angle (degrees)	30
Performances	
Max speed (km/h)	140
Fuel (diesel) consumption (l/100 km)	<ul style="list-style-type: none"> urban 10.5 extra-urban 8.0 combined 8.9
Trailable mass (kg)	750
Guarantee: 24 months or 100.000 kms All Mahindra Thar vehicles are guaranteed for 24 months or 100.000 kms from the registration date and for a maximum of 30 months from the delivery date to the dealer. The guarantee doesn't cover mechanical parts subject to wear and tear (as indicated in the use and maintenance book) and can't be reknown in case the periodical maintenance hasn't been done in authorized Mahindra centres or hasn't been done at all or has been done with not apt materials or with materials not reknown by Mahindra, as in case of a not correct use of the vehicle.	

NOTE: All data reported have no obligation value. Through the continual research of the vehicle improvement, the Manufacturer keeps the right to vary and modify the model characteristics and equipments.

