

TM1000 High Power


TRELLEBORG



The solution for sustainable farming



TM1000 HP. The solution

With the world population expected to grow by 47 percent to 8.9 billion people by 2050, demand for agricultural products will certainly rise. With a limited amount of arable land available on the planet, farming needs to become more productive and efficient. New technology will certainly drive the industry, while choosing the right tyre solution will become crucial to maximize the performance of tractors. Trelleborg's strategic goal is to develop innovation to meet modern needs of an ever growing market while respecting the environment.

“We help farming professionals to produce more, in a sustainable way.”

1969, the man lands on the moon

2007, the Rover Spirit explores the red planet

2030 is when experts foresee the first human journey to Mars (www.marssociety.org)

The human colonization of other planets will start together with the adoption of future farming techniques to feed the first humans on these planets.

At Trelleborg we know today the requirements that future farming will have. It's what modern agriculture increasingly demands: innovation and technology to produce more in a sustainable way. We want to bring the technology of the future that is available now, to increase farming cost efficiency and crop productivity. To do this while respecting planet Earth, through the reduction of our company's environmental footprint along with the promotion of sustainable farming.

Rover Spirit, equipped with Trelleborg seals explores Mars.



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On the sidewall of the tyre, the **BLUE TIRE** logo represents all the improvements, patents and production procedures that TM1000 High Power holds to guarantee simultaneously value for farming and for the environment. The environmental **footprint of your farming** operations is significantly reduced while your income increases.

The new TM1000 High Power has been designed according to the new **BLUE TIRE TECHNOLOGY** which includes:

- 🌿 new eco-friendly materials
- 🌿 advanced tread and bead concept
- 🌿 new sidewall design

TM1000 High Power upgrades your agricultural operations to sustainable farming.

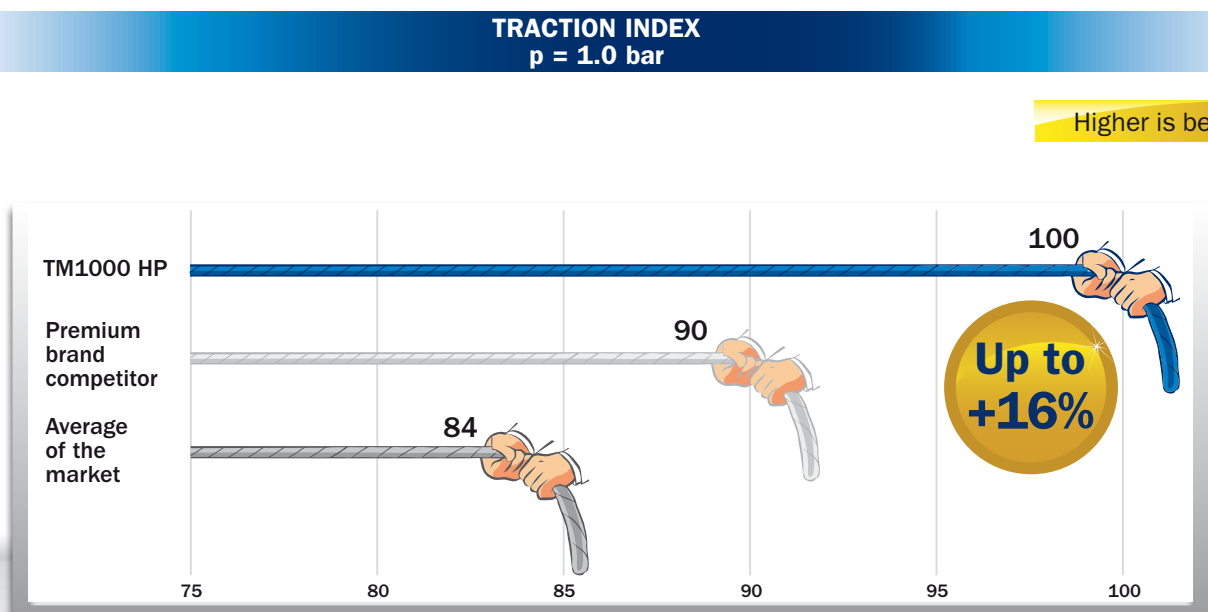
- 🌿 Unbeatable traction results in low farm-operating cost and reduced emissions
- 🌿 Extra wide footprint boosts your crop yield, while preserving ground health and potential
- 🌿 Premium comfort and handling look after driver health and safety, complying with all road regulations
- 🌿 Premium rolling resistance reduces fuel consumption and environmental pollution



TM1000 HP. The solution

Unbeatable traction

The new TM1000 High Power line has been co-designed together with leading tractor manufacturers to equip the latest generation of high powered tractors. The new Trelleborg range is able to transfer to the ground the entire engine power, along with the torque driven by the latest breed of transmissions. TM1000 High Power. Boost the traction capability of your tractor.



Test Condition

- Reference sizes: IF 710/75R42 TM1000 HP – IF 650/65R34 TM1000 HP
- Front tractor: 360 hp
- Brake tractor: 350 hp
- Speed: 7-8 Km/h
- Soil characteristics: texture = loamy sand - moisture = 18%

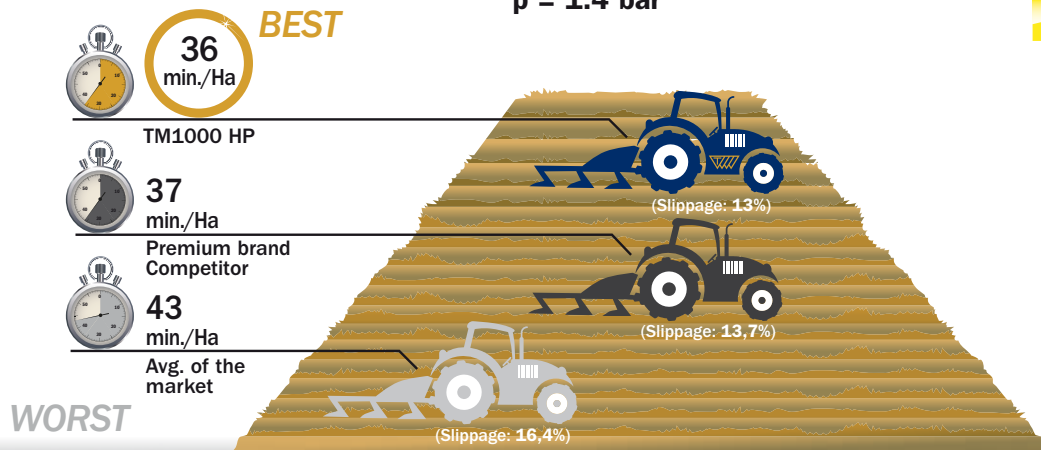
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During ploughing operation, the new TM1000 High Power line performs better than premium brand competitors and significantly better than the average of the market. The reduced working time per hectare results in lower emissions and higher cost efficiency.

PLOUGHING

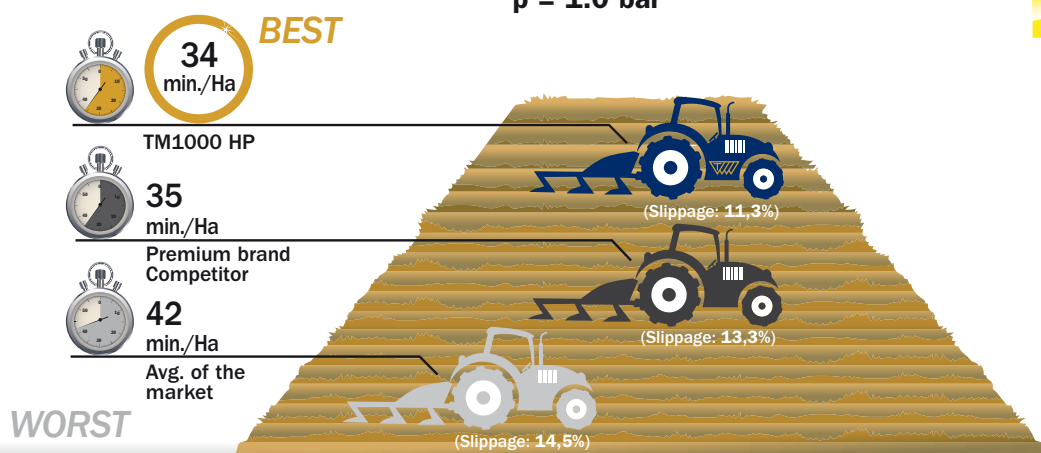
p = 1.4 bar

Lower is better



p = 1.0 bar

Lower is better



Test Condition
- Reference sizes: IF 710/75R42 – IF 650/65R34
- Tractor: 360 hp
- Speed: Avg. 8 km/h
- Soil characteristics: texture = loamy sand - moisture = 18%
- Working conditions: ploughing out of furrow - working depth = 40 cm - working width = 220 cm

TM1000 HP. The solution

The economic benefits driven by the reduction of operating time result in significant overall savings, including costs such as fuel, maintenance and manpower.

TIME TO PLOUGH 200 Ha (p = 1.0 bar)

up to **27**
hours saved



1,890 € saved

Average working costs per hour = 70€

TIME TO PLOUGH 500 Ha (p = 1.0 bar)

up to **67**
hours saved



4,690 € saved

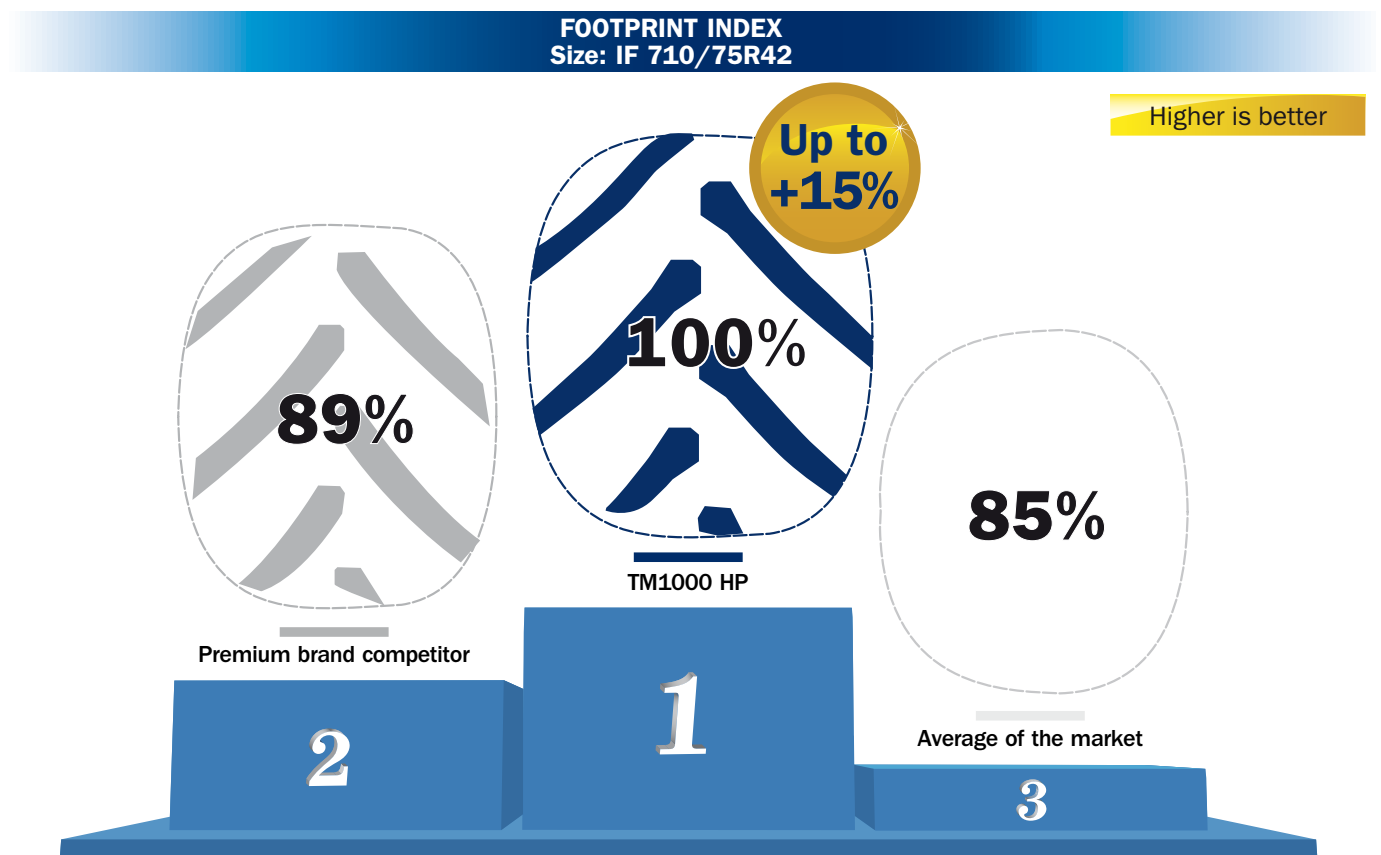
Average working costs per hour = 70€



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Extra wide footprint

TM1000 High Power provides extra wide footprint, giving premium flotation and low soil compaction. The new technology allows the soil to return to its original state as an organic reactor, capable of absorbing air-bound nutrients, recycling crop residues and retaining water to ensure high crop yields in the short, medium and long term.



TM1000 HP. The solution

Extra mileage, reduced consumption and emission

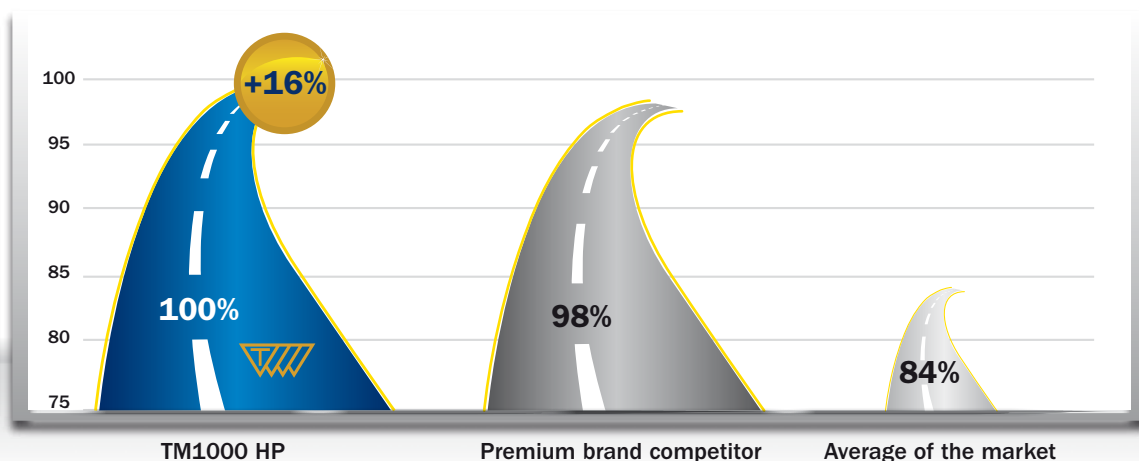
The shape, width and length, as well as the materials of the lugs of TM1000 High Power have been studied to increase wear performance while reducing consumption and emission.

The wide lug head shape maximizes wear resistance for long mileage of your tyre.



WEAR RESISTANCE INDEX Size: IF 710/75R42

Higher is better

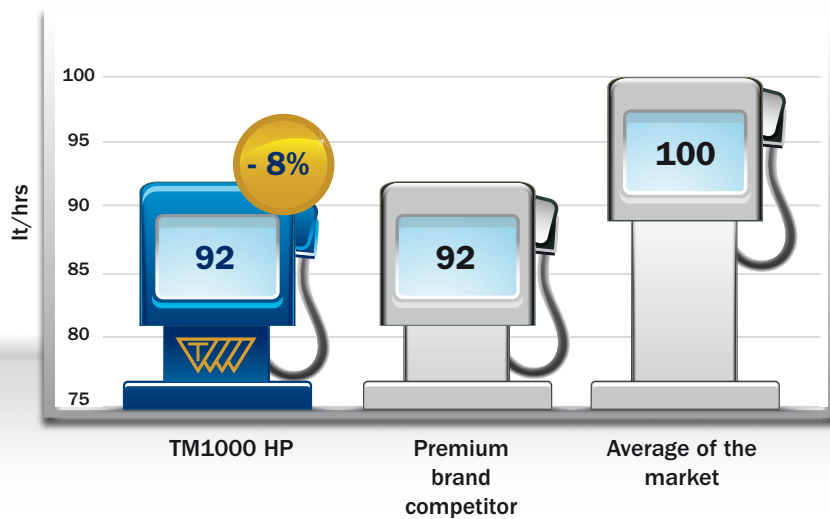


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FUEL CONSUMPTION Size: IF 710/75R42

On the road, the advanced design along with new carcass materials, lead to very low rolling resistance resulting in reduced fuel consumption.

Lower is better



- 1000 hours per year on the road
- 24 lt of fuel per hour
- Fuel cost: 0.85 €/lt



Saving up to **1,630 €** per year

TM1000 HP.

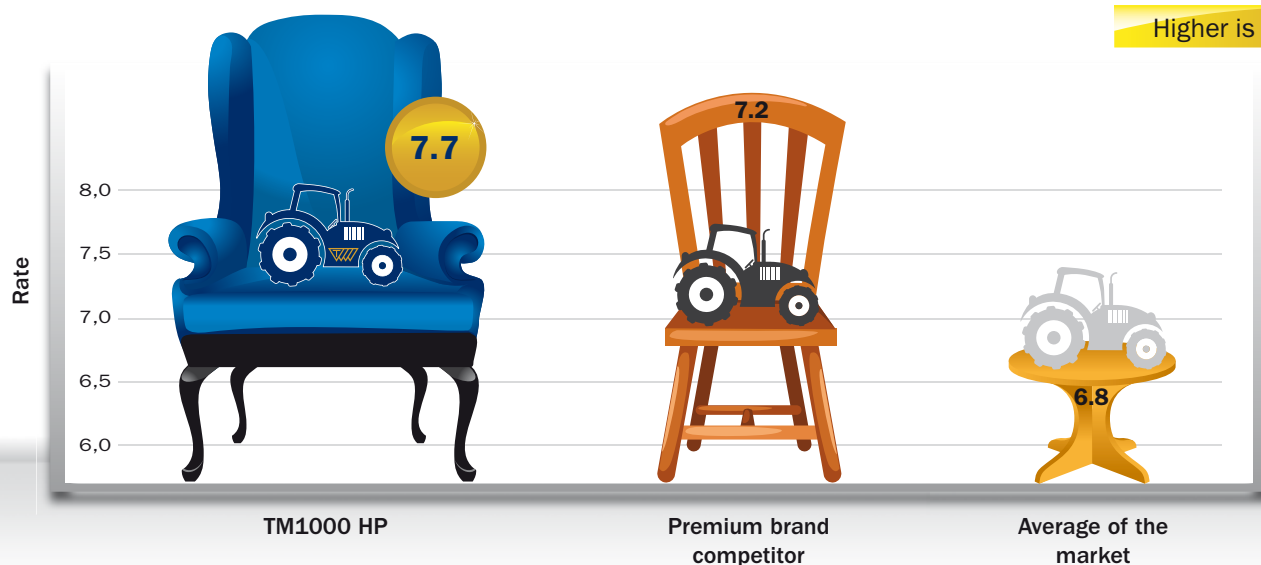
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Superior comfort

Compared to the market average the TM1000 High Power provides you with better handling and safety performances. The **BLUE TIRE** technology avoids vibration to provide premium comfort, essential for your long and demanding farming operations.

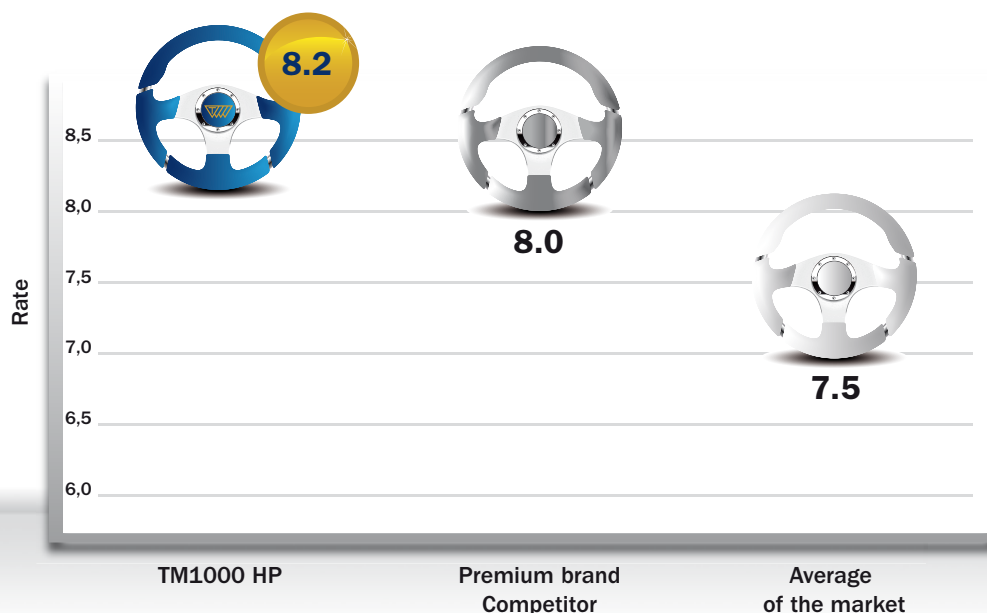
DRIVER COMFORT (Score from 1 to 10)

Higher is better



TRACTOR HANDLING (Score from 1 to 10)

Test Condition
- Vehicle front ballasted
- Inflation pressure: 1.2 bar
- Speed: 40 Km/h



TM1000 High Power

SIZE	Tread Pattern	SW mm	OD mm	SLR mm	RC mm	SRI	RIM	Permitted Rims	Type
IF 600/70R30 159D	TM1000 HP	605	1610	695	4785	750	DW21B	DW20B	TUBELESS
IF 650/60R34 159D	TM1000 HP	645	1660	725	4955	775	DW23B		TUBELESS
IF 650/65R34 161D	TM1000 HP	650	1720	750	5105	825	DW23B		TUBELESS
IF 710/60R34* 164D	TM1000 HP	725	1710	750	-	-	DW25B		TUBELESS
IF 710/70R42 179D	TM1000 HP	735	2060	920	6190	975	DW25B		TUBELESS
IF 710/75R42 176D	TM1000 HP	730	2160	940	6410	1025	DW25B	DW23B	TUBELESS
IF 900/60R42* 180D	TM1000 HP	880	2150	940	-	-	DW30B		TUBELESS

(*) Design data = the dimensions of size in design data are calculated dimensions and not measured data on the normal production tyre

Download the App “Trelleborg Load Calculator” from Apple Store to get the best out of your TM1000 High Power





Trelleborg is the official partner of the Tractor of the Year® awards



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