



Lamborghini **MACH VRT T4**

210 - 230 - 250





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MACH VRT: LAMBORGHINI STYLE WITH PURE POWER.

The Lamborghini Mach VRT is the powerful flagship of the new range from the raging bull: a tractor boasting state of the art technology, comfort and design with engines up to 263 HP and continuously variable transmissions.

Offered as three variants 210-230-250, the Mach VRT sets new standards for reliability, safety and fuel economy, and also cares for the environment, with engines using clean SCR technology.

All of these characteristics contribute to making the Mach VTR the perfect choice for large farms and farming contractors, for large land areas and the most demanding jobs.



BOLD PERSONALITY WITH EYE-CATCHING LOOKS.

Choosing a Lamborghini tractor means working in style. Designed by Giugiaro, the Mach VRT boasts a futuristic, distinctive style, with every detail and technological solution conceived for total comfort and rational functionality.

The new MaxiVision Cab sets new benchmarks for its outstanding visibility and for interior comfort in every detail from the layout of the driver position to the quality of the materials. Ergonomic controls and the work monitor mounted on the A-pillar offer total freedom of movement within the cab, and place all the controls at the fingertips of the driver for unparalleled simplicity.

The combined effect of the sprung cab and axle optimises performance on rough terrain and at high speeds, and drastically reduces the vibration experienced by the driver, for impeccable comfort in all conditions.

Three modes (automatic, manual and PTO) let the driver instantaneously select the right settings for the job in hand, for optimum control in all situations.



Hydraulic power shuttle

The hydraulic reverse shuttle with SmartWheel lets the driver adjust direction modulation response to suit the working conditions.



Multi-function lever

A multi-function controller lets the driver operate the tractor at very low speeds without additional reduction gears and without using the clutch, accelerator or brakes.

The driver can adjust the acceleration range setting from the dial in all driving modes. Information on the acceleration setting is viewable on the iMonitor 2.0.



Front axle suspension

To drastically reduce vibration, the electronically controlled front axle suspension system keeps the suspension perfectly level irrespective of front load, making sure that the full shock absorber travel is usable in all conditions.



Ergonomic, functional controls

All control elements are grouped by functional area and by colour code and, in particular, those for engine control, driving, PTO and hydraulic functions are positioned on the armrest with the new ergonomic joystick. A 12.8" touchscreen monitor (iMonitor 2.0) and the Agrosky GPS guidance system are also available as options.

The soft LED control lighting also contributes to creating an even more comfortable ambience in the cab.





Air sprung cab suspension

This clever and innovative suspension system varies damping rate in real time. A dedicated sensor detects even the smallest changes in load within the cab, and feeds special pneumatic dampers with the amount of compressed air needed. This maintains constant suspension travel in all conditions, so that the full extension of the springs and dampers is always available.



Screen

A generously sized colour screen on the A-pillar displays all the information the driver needs clearly and intuitively.



ComforTip control

The ComforTip control lets the driver store and recall repetitive sequences, and automatically execute them by simply pushing the activation button on the joystick lever. To activate the system, simply press the enable button and activation button together.

When working, to automatically skip through the operations programmed in the sequence, simply press the activation button to move to the next operation.



Xenon or LED lights

With a choice of XENON or state of the art LED units, the work and driving lights of the Mach VRT contribute to its dynamic, determined looks. As well as the road lights, 9 rear work lights and 8 front work lights illuminate an extensive area surrounding the tractor to offer superb visibility for working at night.



Lights control panel

The controls for switching the lights on and off are activated using the Work Operating Light Panel (WOLP), which also lets the driver control the lights mounted on trailers or implements.



Easy access

The comfortable, padded passenger seat folds down to facilitate access to the cab.



Steering wheel

Steering wheel with soft-grip rim. The inclination of the instrument cluster adjusts together with steering wheel adjustment, for unparalleled visibility and driver comfort in all conditions.

Refrigerator and storage space for every necessity

A refrigerator and generously sized compartments let the driver store anything needed to make the working day more comfortable. Handy phone holder and cup holders also contribute to the comfort of the cab.



Automatic A/C system

The air conditioning and ventilation system maintains a comfortable, constant temperature inside the cab in all conditions: A generous supply of directional, adjustable flow vents placed ergonomically around the cab interior lets the driver quickly and easily set a comfortable cab temperature or quickly clear mist or frost from the windows and windscreen.

INNOVATION COMES FROM THE HEART.



The heart of the new Mach is the six cylinder DEUTZ TCD 6.1 LO6 4V Tier4i engine: a combination of technologies able to develop up to 263 Hp (194 kW) at 1,650 rpm, which remains almost constant between 1,650 rpm and 2,100 rpm. Four valves per cylinder, centrally positioned injectors, wastegate turbocharger and intercooler.

DCR (Deutz Common Rail) high pressure fuel injection system with integrated electronic control operating up to 2,000 bar, with exhaust gas treatment by means of an SCR catalytic converter. All features designed to ensure maximum performance, low fuel consumption and minimum emissions.

The efficient and reliable VRT transmission varies the transmission ratio continuously and automatically to take full advantage of the power of the engine effortlessly and without waste, making the driver's job even easier and more productive. Other features, such as the Load Sensing function, make the rear hitch simpler to control and more effective.

Boost Power

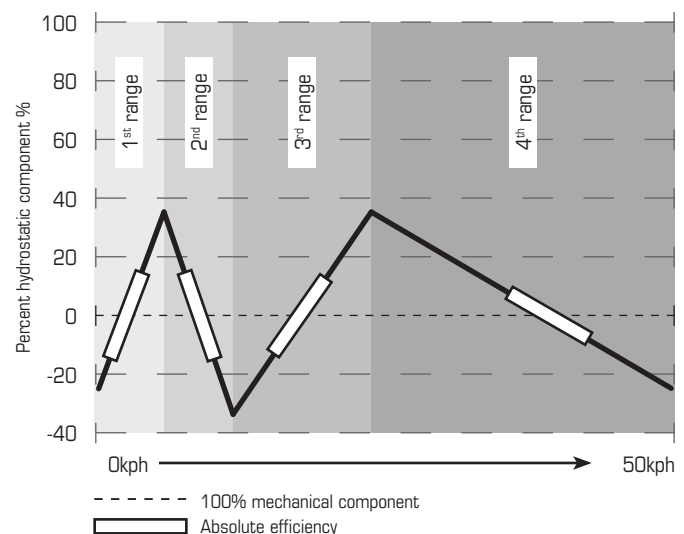
The new Deutz engines offer an additional 27 HP power boost when needed. This additional power is available when working with PTO powered implements and for road transport use.

PTO. 100% boost power available at speeds above 3 km/h.

TRANSPORT. 100% boost power available at speeds above 30 km/h.

4 work ranges

Four seamlessly selectable ranges ensure the right combination of ratios for every working operation. The result is the perfect ratio always, in a range of speeds from 0 to 50 Km/h (or 60 Km/h, where permitted by law), and unprecedented smoothness.

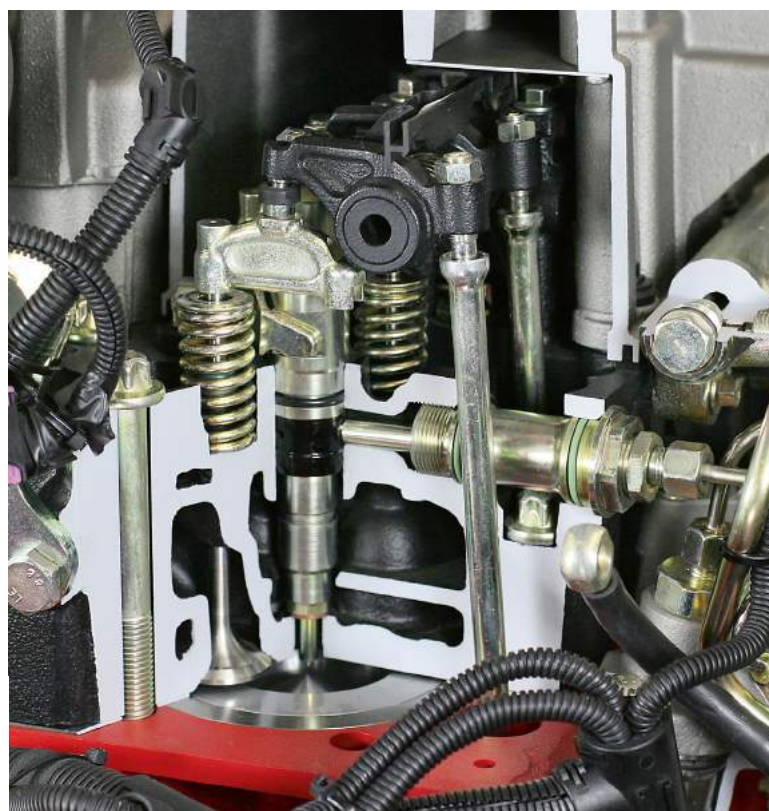






Common Rail

The high pressure common rail injection system, with two lubricated injection pumps integrated in the engine block, and the unique combustion chamber configuration, ensure superlative, constant performance even in the toughest jobs. The common rail injection system delivers injection pressures up to 2000 Bar irrespective of engine speed which, together with the electronic engine governor, ensures outstanding torque reserve even at very low engine speeds.



4 valves per cylinder

The four valve per cylinder head ensures efficient combustion chamber filling and optimised fuel-air mixture.

Shuttle

The shuttle control lever under the steering wheel lets the driver switch progressively between forward and reverse, even under load. A modulation wheel increases or decreases shuttle response. Direction changes may also be performed from practical controls on the multifunction lever with an interlock function to prevent accidental selection.



ASM

The electronic ASM systems engages and disengages dual traction and the differential locks in relation to speed and the steering angle of the front wheels to ensure maximum grip and traction (for ploughing and minimal tillage, for example) or maximum manoeuvrability and safety (for road transport).





EFFICIENCY FOR WORKING BETTER.

Superior versatility and the ability to adapt quickly to different working conditions are what make the Mach VRT such an unbeatable machine.

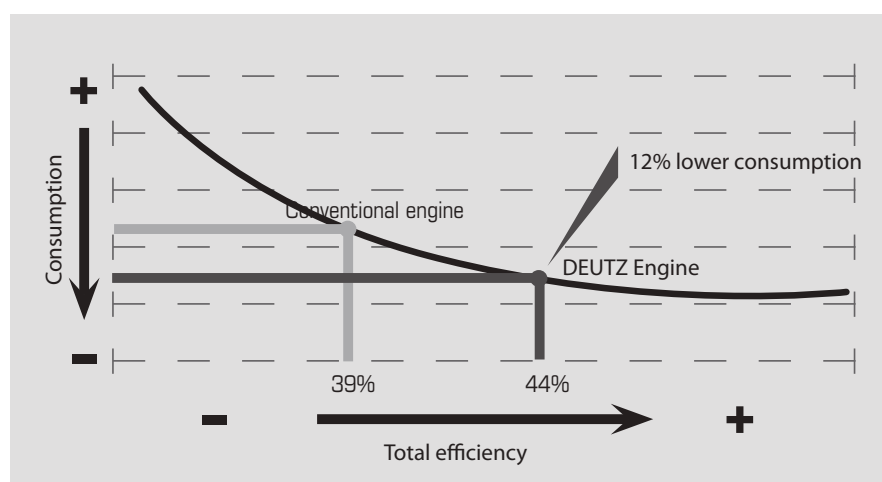
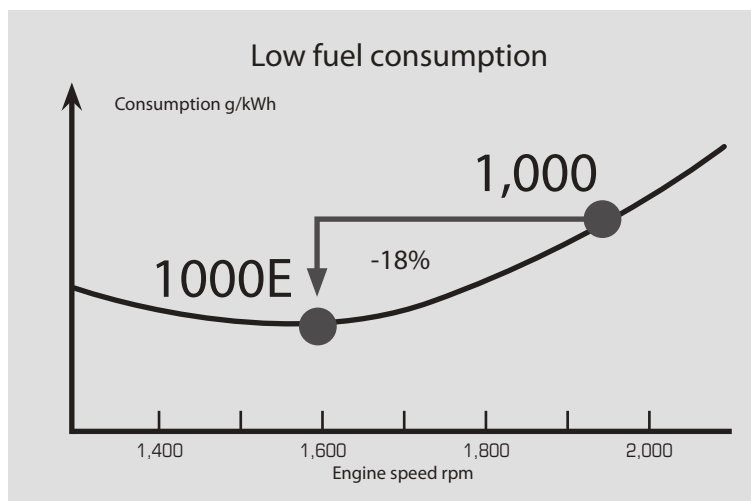
A rear PTO with four different speed modes (540/540E; 1000/1000E) makes the tractor truly capable of working with all implements in any situation. The user-friendly, versatile hydraulic system caters for even the most demanding applications.

The multiplate wet clutch is generously sized to absorb the load peaks involved when working with heavy duty implements, and engages progressively for superior reliability even when working with implements with high torque demands.



PTO Eco mode

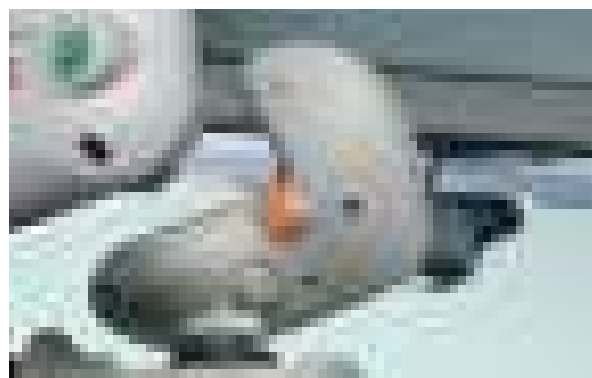
This mode uses lower engine speeds to reduce fuel consumption and noise, and mid-range engine rpm delivers generous power and torque for maximum productivity.

**SCR**

SCR (selective catalytic reduction of nitrogen oxides) technology is the most efficient method available today to attain compliance with Euro 4 emissions regulations. The SCR system used in Deutz engines reduces fuel consumption and maximises power by allowing the engine to operate with the optimum fuel/air mixture; only clean air is aspirated into the cylinder, not air contaminated with exhaust gases.

Optimised ratios

The ZF Sematic S240 transmission provides the Lamborghini Mach VRT with a maximum speed of 60 km/h at 2,100 rpm and 50 km/h at 1,750 rpm. Or, choosing the HD option, 50 km/h at 1,980 rpm and 40 km/h with the engine at 1,750 rpm. The driver can adjust the throttle setting in all driving modes by simply turning the dial on the multi-function joystick.

**Power Brake**

The Power Brake system maintains constant pressure in the hydraulic braking circuit so that the driver can rely on immediate response with powerful and progressive braking action at all times with minimum effort.

Manoeuvrability

The front axle and curved shape of the front hood panels offer a tight turning radius of just 5.8 m. The hydrostatic power steering with separate hydraulic circuit uses a 44 l/min pump and 2 double acting rams for a progressive, smooth steering action even at low engine speeds. The exclusive ASM system, which automatically engages and disengages 4-wheel drive and the differential locks, also contributes to manoeuvrability and traction.



Front PTO

For applications using both front and rear implements, the tractor is also available with an electrohydraulically controlled 1000 rpm front PTO driven directly by the engine via a multiplate wet clutch for progressive engagement.

Hydraulic system

The standard specification includes a separate 44 l/min power steering pump, in addition to the 120 l/min hitch and auxiliary valve pump or, as an option, 160 l/min pump. In addition, standard specification includes four double acting electronically controlled valves and Power-Beyond couplings with the valve options increased up to seven upon request,. Two of the seven valves direct oil to couplings at the front hitch. Lifting capacity is 10,000 Kg at the rear hitch and 4,500 Kg at the front.



Electronic hitch

All models are available with an efficient electronic hitch, which is monitored continuously by sensors and an integrated diagnostic system. This system offers a selection of different functions: draft and position control, quick soil engagement, mixed mode control, wheel slip control (with optional radar), implement lock for transport, lift height limiting, rate of drop control and ride control. The ride control function is activated automatically when driving on the road at speeds above 8 Km/h, and dampens implement oscillation and shock loading for maximum comfort and safety in all situations.

The hitch control functions are set within the armrest console, which displays the operating parameters on a digital screen mounted on the A-pillar.