

What if strength could always have style?



NITRO IS BORN. THE FUTURE OF THE TRACTOR ACCORDING TO LAMBORGHINI.

Lamborghini Nitro is a step forward in medium power tractors displaying cutting edge technical features. This range is a coming-together of the “fighting bull’s” strength and determination.

The new white and black colouring highlights a dual personality, created with elegance and simplicity, high technological content and ease of use, exclusivity and versatility. A unique and unparalleled style runs throughout: Giugiaro Design.

The bonnet features a bold, lowered contour.

The cab is perfectly integrated into the exclusive style of the tractor as a whole.

The interior is a perfect harmony of ergonomics and beauty.

The mudguards provide the finishing touch: with double LED tail lights, a blend of elegance and power typical of the Lamborghini brand.

GIUGIARO
D E S I G N





EXTERNAL LOOKS FROM INTERNAL STRENGTH.

DEUTZ ENGINE TIER 4i

High performance, top reliability and minimal fuel consumption. In two words: maximum efficiency.

Lamborghini Nitro chooses the best: modern Deutz Tier 4i, 4-cylinder engines developed for agricultural use and able to combine particularly low fuel consumption with high performance every time. The latest 3620 cc displacement, high pressure common rail injection system and turbo-intercooled induction of these engines guarantees significantly higher power and torque over a wide range of crankshaft speeds. The high pressure Common Rail injection system and new combustion chambers in the

piston heads allows the engine to deliver consistently high efficiency even in heavy duty applications. The combined exhaust gas recirculation (EGR) and catalyser (DOC) system significantly reduces nitrogen oxides (NOx) and particulate matter (PM). These gases are among the most powerful pollutants produced by combustion and the EGR/DOC ensures these engines comply with the stringent Tier 4i emission levels. Lamborghini Nitros use electronic engine management: a state-of-the-art system that ensures the injectors are supplied

with exactly the right amount of fuel to suit the prevailing load conditions, optimizing fuel consumption and ensuring that the engine responds immediately.

A proportional viscostatic fan with a wide diameter and large radiators allow the engine to reach full power in all operating conditions. The radiators also boast new geometry, a protective, anti-residue, removable screen and a sliding rail system for access to clean radiators and aid routine maintenance operations.

EVERYBODY
HAS THEIR **OWN** IDEALS.
THIS ALSO APPLIES TO
TRANSMISSIONS.



A COMPLETE RANGE OF TRANSMISSIONS

Perfect transmissions exist. It's the one best suited to the work to be done. To this end, Nitro allows you to choose from various configurations, all of a very high level.

Nitro is also a champion in offering the best transmissions: the basic configuration involves the adoption of a fully mechanical 5-gear system, 10+10 or 20+20, which is combined with a Power Shuttle equipped with SenseClutch modulation control and electrohydraulic ComfortClutch function using a button on the gear lever.

With 3-speed Powershift transmission, able to offer 60 FWD gears + 60 REV gears, Lamborghini Nitros ensure maximum productivity and traction in every application; from soil preparation to mowing and transport to farmyard work. With its Continuously Variable Transmission, the Lamborghini Nitro VRT is multi-capable, versatile, and extremely easy to use. The VRT system offers three driving modes (automatic, manual and PTO) allowing the operator to organize any kind of task simply and intuitively.

Two speed ranges (0-23 and 0-50* km/h) also allow the operator to work in the field and on the road with fully automatic speed management. No need to use the clutch or gear lever - simply press the accelerator pedal. Nitro is fast and economical; the maximum speed is 50 km/h or 40 km/h, even at economical rpm, in accordance with local market regulations.

Nitro stops and restarts in one simple action. With Stop&Go, pressing and releasing the brakes makes it possible to stop and start again without having to press the clutch. Advantages: greater maneuverability, comfort and ease of use. On the Nitro range, automatic management of 4WD traction and differentials (ASM) allow fully automatic engagement and disengagement of four-wheel drive and differential locks. This eliminates repetitive manual operations that can divert your attention away from the work in hand.

SAFETY
IS NOT IMPORTANT.

IT IS
FUNDAMENTAL.



ALL-WHEEL HYDROSTATIC BRAKING

The safety of having maximum control with minimum effort.

Nitro is extremely safe in all operating conditions: effective braking is assured by a hydrostatic system with independent oil-immersed disc assemblies on all 4 wheels. The oil-immersed disc brakes are applied with minimal effort and ensure total safety.

The servo-assisted braking system (Power Brake) ensures that minimal effort applied by the operator when depressing the brake pedal will produce an instant, powerful and controllable response, thanks to the consistent back-up pressure within the hydraulic circuit.

All models are equipped with an innovative Park Brake system that will ensure the tractor is always securely and efficiently immobilized.

All versions can be equipped with the optional SDD (Steering Double Displacement) steering pump. This reduces the number of steering wheel turns from lock to lock and allows you to perform quicker maneuvers (e.g.: with front loader or headland turning).






MAXIMUM FOCUS ON THE ENVIRONMENT. INCLUDING THE WORKING ENVIRONMENT.

THE PERFECT DRIVING POSITION

360-degree visibility, particular focus on noise reduction insulation and automatic climate control. Welcome aboard.

It is a pleasure to work with Nitro: the cab is spacious, comfortable and light. From the driving position the operator encounters low noise levels, excellent ventilation, heating and air conditioning. The panoramic, convexly-moulded windows (athermal glass) allow maximum visibility with an optimum view of the surroundings — critical areas included — on all four sides. Even operations using the front loader can be carried out without ever losing sight of the ends of the loader tines. Working with a Nitro, absolutely everything is under control — including the temperature inside the cab, which is kept steady by the state-of-the-art climate control system built into the roof. Temperatures in the cab are adjusted according to the conditions outside,

creating the ideal work environment in summer and winter alike. For night-time work and for maximum driving safety on the road, up to 8 work lights are available. All lights can be switched on or off via a central control panel which is simple and intuitive. This panel is located on the cab pillar. The cab suspension is available in mechanical and pneumatic versions. The combined effect of a suspended cab and a suspended front axle optimizes performance, even when traveling fast over rough terrain, and greatly reduces vibration felt by the driver.



SUBSTANCE
NEEDN'T
NECESSARILY
SACRIFICE STYLE.



VERSATILITY
IS ALSO A QUESTION
OF HYDRAULICS.

PTO FOUR-SPEED AND GROUND SPEED WITH SEPARATE SHAFT

In terms of PTO, the key word can only be flexibility. To this end, Nitro offers customisable selection which is able to meet any requirement.



Nitro boasts an extremely versatile power take-off, with oil-immersed multi-disc clutch, 540, 540 economy and 1000 rpm speeds, and ground speed PTO.

All of this translates into an ability to couple any implement to the tractor with maximum economy of use and maximum efficiency — features that make Lamborghini Nitro tractors ideal for applications requiring a power take-off.

Three different hydraulic system options: with a 60 l/min pump and double, 90 l/min pump. Energy Saving, or the innovative 60 ECO, double pump system with 60 l/min flow, available from 1600 rpm.

These combinations ensure high performance as well as functional and efficient use of all hydraulically - operated equipment - even those that require a high volume of oil.

The hydraulic system, with a double 90 l/min pump, is also equipped with the Energy Saving system.

As a result, when the hydraulic system is not in use oil flow to the system is shut off automatically by a dedicated flow sensing valve on the hydraulic circuit and returned directly to the transmission.



COMPLETE EFFICIENCY
FROM EVERY
POINT OF VIEW.

ELECTRONIC LINKAGE CONTROL

Precision and the ability to manage any operation with great efficiency.

The electronic hitch control specified on Lamborghini Nitros allows you to control equipment and perform operations with absolute precision.

Your Nitro tractor is equipped with a rugged rear lift of 4650 kg capacity, which can be increased to 6600 kg if assistor rams are fitted. The hitch controls are also duplicated on the rear mudguards via two buttons.

To use front-mounted implements, there is the option of a front hitch (capacity 1850 kg and double-acting rams) and a front power take-off operating at 1000 rpm, which will extend the capability of the Nitro still further, not least by allowing the attachment of front ballast weights.



Nitro		100	110	120	100VRT	110VRT	120VRT	130VRT
Engine		DEUTZ TCD 3.6 L 04 TIER 4i			DEUTZ TCD 3.6 L 04 TIER 4i			
Cylinders/Displacement/Injection	n°/cc	4 T I /3620/Common Rail			4 T I /3620/Common Rail			
Power @ rated speed (2200 rpm)	kW/hp	69.5/95	77/105	85.5/116	69,5/95	77/105	85.5/113	88/120
Maximum power (@ 2.200 giri)	kW/hp	72,5/98,5	81/110	89,5/122	72,5/99W	81/110	89,5/118	93/127
Maximum torque (@ 1600rpm)	Nm	397	440	480	397	440	480	480
Torque rise	%	32	32	30	32	32	30	28
Shuttle		Powershuttle			Powershuttle			
Transmission		Mechanical or 3-stage Powershift HML			Continuously variable VRT transmission			
No. of speeds 5 gears x 2 (or 4) ranges	FWD+REV	10 + 10 (20 + 20 with Underdrive and Creeper)			"Heavy Duty (work) range: 0- 23 km/h			
		30 + 30 HML (60 + 60 HML with Underdrive and Creeper)			Transport range: 0 - 50 km/h (40 ECO)*			
Maximum speed	km/h	40/40 at ECO engine speed/50			40 at ECO engine speed/50			
Electrohydraulic 4WD/diff lock engagement		std/ASM optional			std with ASM			
Front axle suspension		opt			opt			
Braking on all 4 wheels		std/Power Brake optional			Power Brake std			
Parking brake		Park Brake std			Park Brake std			
Trailer brake		Air/Hydraulic (or both)			Air/Hydraulic (or both)			
Electronic rear hitch		std - (4650 or 6600 kg)			std - (4650 or 6600 kg)			


Nitro		100	110	120	100VRT	110VRT	120VRT	130VRT
Pump capacity	l/min	60 (std)/60 ECO (opt)/90 (opt)			60 (std)/60 ECO (opt)/90 (opt)			
Remote valves	ports	6/8/10/Power Beyond			6/8/10/Power Beyond			
Remote valves control		Mechanical (std)/Electrohydraulic (opt)			Mechanical (std)/Electrohydraulic (opt)			
PTO Speeds	rpm	540/540E/1000/1000E			540/540E/1000 or 540/540E/1000/1000E			
Ground speed PTO		opt			opt			
Front hitch and PTO (lifting capacity - speed)		opt (1850 kg – 1000rpm)			opt (1850 kg – 1000rpm)			
PTO engagement control		Electrohydraulic			Electrohydraulic			
"Class E" cab with new interior		std			std			
Mechanical or pneumatic suspension		opt			opt			
Wheelbase	mm	2430	2430/2470 2WD	2440	2.430	2430/2390 2WD	2440	2440
Track width (min-max)	mm	1602 - 2002	1602 - 2102	1602 - 2102	1.602 - 2.002	1602 - 2102	1602 - 2102	1602 - 2102
Weight (may vary according to version)	kg	4150	4300	4700	4.450	4350	4600	4900
Height at cab	mm	2690	2715	2765	1.945	2715	2765	2740
Standard rear tyre		480/70 R34"	520/70 R34"	520/70 R38"	520/70 R34"	520/70 R34"	520/70 R38"	540/65 R38"

For more information, contact your LAMBORGHINI TRATTORI dealer:



The use of SDF original lubricants and coolants is recommended



LAMBORGHINI TRATTORI is a brand of  SAME DEUTZ-FAHR

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