



Spire

75 | 95 | 105

Stage V



Agile, elegant and responsive.

Besides their performance and reliability, Lamborghini Trattori models always stand out for their style and elegance. The new Spire family offers an unique opportunity for those who work the fields to show off their innate class as well. In addition, Lamborghini Spire tractors guarantee a high level of technology, great manoeuvrability and versatility designed to be the perfect match for farming and green area maintenance. Thanks to their optimal power to weight ratio, the Spire are ideal for hay-making, sowing, and crop treatments, as well as handling heavy pulling operations superbly thanks to the significant range of ballast options. Furthermore, their compact size is suitable for increased manoeuvrability within buildings and for work in vineyards and orchards with widely spaced rows as well as in hop vines. But that's not all: Features such as disc brakes on all 4 wheels, a roof with FOPS protection, ground speed PTO and 100% differential locking are optimal for forestry assignments as well. With the launch of the new Stage V models, the engineers at Lamborghini Trattori have made additional improvements to the entire Spire range, adding new features like the new FARMotion 45 engines, featuring even more performance torque and power curves with lower specific consumption rates, new tyre combinations, a revamped cab, and a new front loader Light and Ready kit preparing the tractors for the fast assembly of a front loader.

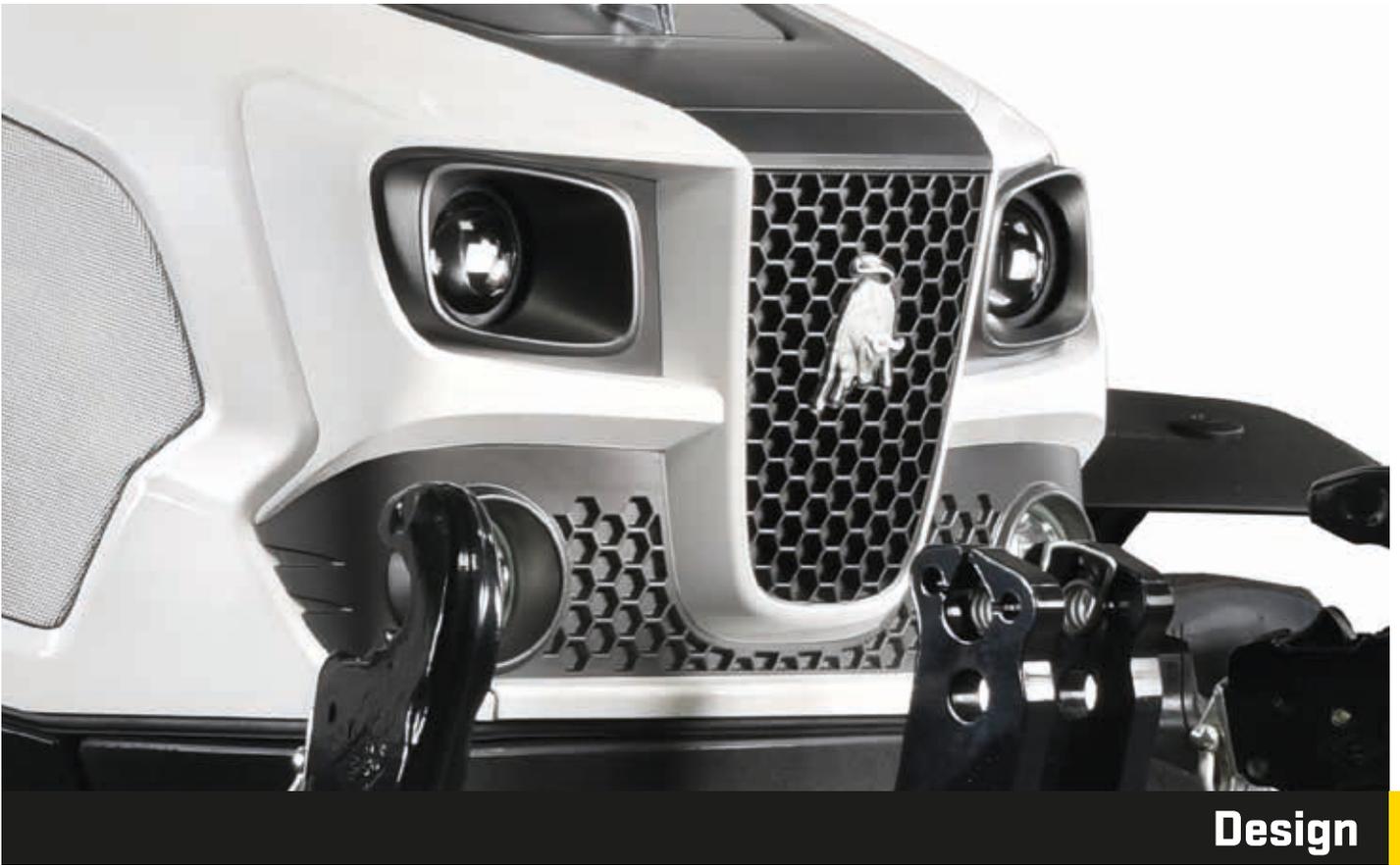
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Engine



FARMotion 45: conceived specifically for farming.

The next generation of Spire MY24 tractors have FARMotion 45 Stage V engines, which include the latest advancements in emissions treatment (DPF, SCR, DOC and EGR) knowingly arranged for ultimate compactness, to guarantee the great manoeuvrability for which this class of tractors is so well known. Spire 75 models are Stage V compliant without the need of AdBlue or any other additional fluids (Diesel only) further reducing the ownership costs. The Lamborghini Spire 95 and 105 Stage V achieve a maximum power of 95 and 106 HP respectively at an engine speed of just 2000 rpm; the scheduled maintenance intervals have been extended to a full 600 hours. As per the other Lamborghini Trattori Stage V models, also the Spire MY24 can run with HVO biofuel, reducing the CO2 emissions and therefore helping the farmers to deal with the challenges of the future.



Design

3

Performance meets style.

Thanks to the compact and perfectly proportioned design, a 4-pillar cab, new integrated fuel and AdBlue tanks and a sloped bonnet, the Spire Stage V range expresses the sophistication and outstanding performance of these highly versatile and extraordinarily elegant machines to perfection. The unique and eye-catching modern design accompanies sophisticated technology, like a 3-stage Powershift transmission and an electronically controlled rear lift with vibration damping and the innovative InfoCentre* dashboard.



The most complete transmission in its class.

As standard, Spire tractors guarantee the ultimate efficiency and reliability of a mechanical transmission, with a combination featuring 5 gears for 3 ranges and an underdrive, for a total of 30+15 speeds. Customers can choose between a synchronised mechanical reverse shuttle or a PowerShuttle with SenseClutch, which allows for the aggressiveness of the shuttle to be set over 5 levels. Versions with hydraulic reverse shuttle offer Stop&Go and ComfortClutch, to change gears by simply pressing a button on the gear lever, as standard. Those looking for an even more advanced solution can add an additional module with 3 Powershift gears, bringing the total number of speeds available in both the forward and reverse directions up to 45. In all cases, Spire tractors can travel at 40 km/h with the engine at an economical reduced engine speed, while, at the opposite end of the spectrum, being able to advance at just 200 metres per hour with the lowest creeper gear and the engine at max rpms.



Ultimate safety thanks to a four-wheel braking system.

The sturdy front axles of the Spire family come with multi-disc wet brakes as standard, for maximal safety in all working conditions, and feature an incredible 55° steering angle, for exceptional manoeuvring agility. For maximum traction on any surface, 100% electro-hydraulic locking of both differentials and front wheel drive activation is provided as standard. Important changes have also been made to trailer braking, with the introduction of Dual Mode hydraulic trailer braking systems and the optional ABS trailer socket.



Ultimate precision for the lift.

Spire tractors feature a complete hydraulic system, to carry out any operation rationally and efficiently with a large number of implements. Which is why they are equipped with two pumps as standard: a main 54 l/min pump serves the lift and spool valves, while a second pump, which can supply up to 45 l/min, supplies the power steering and auxiliary services. This configuration guarantees smooth driving at all times, even with the engine at minimum speed and the lift and/or distributors in use at the same time. As option, an additional pump is available for spool valves and rear lift, resulting in a 68 l/min flow. Thanks to the 3 rear distributors (for a total of 6 ways), free return provided as standard, and a rear lift with a maximum capacity of up to 3600 kg, the Spire family can easily handle all the implements typically used by this class of machines. The rear lift comes with conventional mechanical control as standard, but an electronically-controlled version is available as an option and includes active vibration damping as well as limiting maximum height and descent speed. Controls on the mudguards for the remote control of the electronic lift and a powerful 2100 kg front lift are also available. All Spire tractors can be factory fitted with a Front Loader Light Kit and Ready Kit, which prepares the tractor for the fast assembly of a front loader and includes a sturdy, specifically shaped frame, the hydraulic system and the in-cab mechanical cross lever with Powershift controls.



Unparalleled versatility.

Unparalleled versatility for the PTO as well, which includes a multi-disc wet clutch with electro-hydraulic engagement and 540/540ECO/1000 rpm modes as standard, and ground speed PTO as an option; in addition, the splined PTO stub shafts are easily interchangeable. To get the most out of any implement with a Spire tractor! The PTO is remarkably easy to manage thanks to ergonomic controls and a digital display that shows the speed selected on the dashboard. For those who want it all, Lamborghini Trattori also offers a front PTO, in the 1000 rpm mode, for the new Spire tractors.



The right balance between spaciousness and compactness.

Lamborghini Spire tractors are equipped with a spacious modern cab, which stands out for its noteworthy ergonomics and the rational and efficient layout used for the controls. The high-level furnishings selected and the use of top quality materials give the cab its unique style, while the modern 4-pillar design and a monolithic sloping engine bonnet guarantee excellent external visibility, even at night, thanks to the option of installing up to 4 work lights for the front and 2 for the rear, available as LED lights as well. An adjustable steering column and a comfortable seat (available with air suspension as an option) ensure that anyone can easily find the best driving position and enjoy luxurious comfort on board, thanks to meticulous soundproofing and a very efficient climate control system. As is customary for Lamborghini Trattori, the controls are arranged according to a colour-coded system that makes life easier even for the least experienced operators. Spire MY24 are equipped as standard with the InfoCentre[®] dashboard which features two gauges and a 3.5" LCD colour display, providing to the driver all the relevant information at a glance.





To offer even greater versatility, different options are available for the roof as well, from the classic roof (whose compact size makes it suitable for working in tight spaces), to a high visibility roof, which is also available with FOPS protection for optimal use with a front loader or in forestry work. Efficient air exchange is provided by openable windows in the front and in the rear.



ENGINE		Spire		
		75	95	105
Model		FARMotion 45		
Emission level		Stage V		
Cylinders/Displacement	n°/cc	4/3849		
Turbocharger with charge air cooling		■		
Visco cooling fan		■		
Injection @ pressure	Type/ bar	Common Rail @ 2000		
Max. power (ECE R120)	kW/HP	55.4/75	70/95	78/106
Power at rated speed (ECE R120)	kW/HP	54.8/74	66.4/90	74/101
Speed at maximum power	rpm	2000		
Max. engine speed (rated)	rpm	2200		
Max. torque	Nm	359	389	433
Speed at maximum torque	rpm	1400		
Air filter with dust ejector		■		
Fuel tank capacity	l	85		
AdBlue capacity	l	-	13	
Oil change interval	Hours	600		
TRANSMISSION				
Model		SDF T3500		
Transmission ratio		1,3830		
Mechanical shuttle		■		
PowerShuttle with 5 different settings		□		
MECHANICAL SHUTTLE				
Gearbox	n°	5 gears × 3 range		
N° of speed with Mechanical splitter and creeper		30+15		
N° of speed with HML 3-Powershift steps and creeper		45+45		
Top speed 40 km/h ECO	rpm	1870		
POWERSHUTTLE				
Gearbox	n°	5 gears × 3 range		
N° of speed with Mechanical splitter and creeper		30+15		
N° of speed with HML 3-Powershift steps and creeper		45+45		
Stop&Go		■		
SenseClutch and ComfortClutch		■		
Top speed 40 km/h ECO	rpm	1870		
HYDRAULICS AND LINKAGE				
Pump flow (STD)	l/min	54		
Pump flow (OPT)	l/min	64		
Separate steering pump		■		
Spool valves controls	Type	Mechanical		
Hydraulic auxiliary control valves (STD)	n°	3		
Free pressureless return		■		
Automatic lower link stabilizers		□		
Rear linkage lifting capacity (STD)	kg	3000		
Rear linkage lifting capacity (OPT)	kg	3600		
Rear linkage lift category	Cat.	II		
External operation on rear fenders		□		
Front linkage		□		
Front linkage lifting capacity	kg	2100		
Oil change interval	Hours	1200		
PTO				
Rear PTO 540/540ECO		■		
Rear PTO 540/540ECO/1000		□		
Groundspeed PTO		□		
Front PTO 1000		□		
AXLES AND BRAKES				
Model		SDF		
Electro-hydraulic differential lock 100%		■		
Steering angle	degrees	55		
Mechanical parking brake		■		
Pneumatic trailer brake		□		
Hydraulic trailer brake with Dual Mode function		□		
ABS socket		□		
ELECTRICAL SYSTEM				
Voltage	V	12		
Standard battery	V/Ah	12/88		
Alternator	V/A	14/120		
Starter motor	V/kW	12/3.5		
External socket		■		

STD ■ OPT □ Not available -

TECHNICAL DATA		Spire		
		75	95	105
CAB				
4-pillar cab			■	
Adjustable and telescopic rear view mirrors			■	
Air conditioning			□	
High visibility roof			□	
High visibility roof FOPS			□	
Seat with mechanical suspension			■	
Seat with pneumatic suspension			□	
Pre-arrangement for radio with antenna and loud speakers			■	
4x Halogen work lights on cab roof			■	
4x LED work lights on cab roof			□	
Up to 2x Beacon light LED			□	
LED driving lights			□	
FRONT LOADER				
Pre-arrangement Light Kit			□	
Pre-arrangement Ready Kit			□	
Possible Front loader models			Solid 35-18 Solid 38-20 FZ 36-20.01	
Overloading height	mm		3250 3550 3340	
Breakout force 900 mm before the pivot point	daN		2310 2360 2620	
DIMENSIONS AND WEIGHTS				
Front tyres (min.)			320/70 R24	
Rear tyres (min.)			340/85 R36	
Front tyres (max.)			440/65 R20	
Rear tyres (max.)			600/60 R30	
Wheelbase	mm		2271	
Length	mm		4065	
Height (max.)	mm		2571	
Width (min.-max.)	mm		1800-2180	
Ground clearance	mm		406	
Front axle width (flange to flange)	mm		1500	
Rear axle width (flange to flange)	mm		1540	
Unladen weight, front	kg		1430	
Unladen weight, rear	kg		2145	
Total unladen weight	kg		3575	
Maximum permissible axle load, front	kg		2300	
Maximum permissible axle load, rear	kg		3300	
Maximum permissible weight	kg		5200	

www.lamborghini-tractors.com



Lamborghini Trattori is a brand of  SDF

