



## **SPIRE**

80 | 90 | 90.4 | 100.4

## **SPIRE Target**

70 | 80 | 90 | 90.4



# Lamborghini SPIRE. Takes the shape of your work.

From rapid transport to working between rows, and from drilling over a wide area to manoeuvring in narrow spaces on the farm. Spire delivers all-round power and versatility.

When designing the Spire range, we took our inspiration from your work.

Because your work calls for versatility, practicality, high output, technology, a low weight/power ratio, and comfort. And all of this with a style that sets it apart from any other agricultural machine.

Welcome to the world of the



## POWERFUL.

With groundbreaking engines in terms of performance and consumption, Stage III B comes with 3 or 4 cylinders. The ideal engine speed for every task.

Stage III B FARMotion engine with 3 cylinders or 4 cylinders, turbo intercooler, common rail injection and an electronic engine governor. State of the art technology for superior productivity at all times with low specific consumption figures.

FARMotion engines generate a high maximum torque, which means greater traction capacity and optimum agility - in fact these engines boast a torque rise between 32% and 41%, depending on the model.

FARMotion engines with thicker cylinder walls. For less vibration, less noise and less driver fatigue.

As well as reducing vibration and noise, using thicker cylinder walls also improves cavitation resistance and reduces engine fatigue due to mechanical and thermal stress. Furthermore, the new geometry of the individual cylinder heads and combustion chambers contributes to improving the combustion process, letting these tractors make full use of the potential of the engine and significantly reducing fuel consumption.



Lamborghini Spire.

A wide range of models and numerous personalised configurations. To create a tractor that's perfectly tailored to your needs.

This family offers the best choice of options on the market: various drives and various levels of personalisation.

- Spire 80-90-90.4-100.4 Stage III B

- Spire 70-80-90-90.4 Target Stage III B

And on top of all this, the 90-90.4 models are available with either 2- or 4-wheel drive. You're spoilt for choice.

## COMFORTABLE.

**Unique pressurised and soundproofed cab. It's a whole new world on board a Spire: give it a try.**

The extraordinary innovation in the Spire goes beyond the mere productivity aspect: an air conditioning system with numerous air vents, a mechanically or air sprung seat and a high visibility roof [Spire models only] all contribute to a comfortable, relaxing experience on board.

Controls on right hand side of the driver and a revised instrument cluster. Total control over your work, in all conditions. Ground speed, PTO speed, operating hours and distance. The ergonomic and practical layout of the controls and instrumentation means that everything on board the Spire is within easy reach and clearly visible.



## RESPONSIVE.

**For the right speed for any application. There's a configuration for every task: choose the ideal option for your needs.**

Target versions feature a fully mechanical transmission with -10 FWD +10 REV speeds or 30 FWD +15 REV speeds with underdrive and supercreeper gear, whereas the transmission of the Spire LS (with mechanical reverse shuttle) and Spire GS (with hydraulic reverse shuttle) offers 30 FWD +15 REV speeds with underdrive and supercreeper gear.

A 5 speed Powershift gearbox is also available, with three powershift ranges for an impressive 45 forward and reverse speeds. Every Spire can be offered with a transmission which best suits to your needs.

The maximum speed of 40 km/h is attained at engine economy speed, to make the most efficient use possible of the powertrain capabilities.

This means that the power curve of the engine is used as effectively as possible, resulting in lower fuel consumption and improved driver comfort, with less noise and vibration.

40 km/h, impressive maximum torque and superlative efficiency: class-beating performance with Overspeed.

Gear ratios are defined and spaced specifically for seamless, comfortable power delivery all the way up to the 40 km/h maximum speed, whether you're driving at engine economy speed or making use of all the performance available. Offered with the Spire LS and GS, Overspeed utilises the engine at an engine speed close to maximum torque, resulting in lower engine speeds at all times. more effective usage of the power curve, lower fuel consumption, less noise and less vibration.



# Versatile.

With up to 3 PTO speeds,  
a groundspeed PTO and a  
front PTO.

All the power you need, delivered with  
impeccable smoothness.

2-speed PTO (540/1000) – or with  
540/540ECO/1000 speeds as an option – with  
multiplate wet clutch for Spire LS and GS tractors,  
or with a dry clutch for the Spire Target. A  
groundspeed PTO and a 1000 rpm front PTO  
are also available.

Total convenience, with the PTO controllable  
from the driver seat or from a switch on  
rear mudguard (with electrohydraulically  
controlled PTO only).

The Auto PTO function (available  
with electronic lift only) stops and



## AGILE.

With a short wheelbase and a generous steering angle. Whether  
manoeuvring in the most cramped storage sites or sowing over large  
fields, Spire is unbeatable in terms of manageability.

55° for 4-wheel drive versions and 70° for 2-wheel drive versions: the steering angle of the Spire lets you work effectively even in the tightest areas. The impressively high power/weight ratio of the Spire truly shines through: making it simple and dependable to use. In tough working conditions, the rear and front differentials lock by 100% for maximum traction. What's more, on LS and GS versions, the 4WD system is engaged and disengaged electrohydraulically by simply pressing a button.

Integral hydrostatic braking on all 4 wheels. Dependable, immediate stopping action in all situations.



restarts the PTO depending on whether the rear lift is raised or lowered. Innovative technology for outstanding results. Mechanically or electrohydraulically engaged PTO: make the right choice for maximum productivity.

**RESPONSIVE.**  
**With a hydraulic reverse shuttle with response setting control. The ideal solution for better manoeuvrability and safety in all working conditions.**

The hydraulic power shuttle with SenseClutch saves time when changing direction and performing headland turns. The two Long Life multiplate wet clutches and electronic control unit keep the mechanical components in perfect working order.

Completing the picture is a response setting control, for choosing precisely the right reverse shuttle response speed for the job in hand.

**Spire GS with Stop&Go function.**

The Stop&Go function lets you put the direction change manoeuvre on hold by simply using the brake pedals; as soon as you release the pedals, the clutch is re-engaged progressively and smoothly. Letting you resume work quickly but without uncomfortable jolting.



**PRECISE.**

**With a dynamic hydraulic system and electronic lift, getting the most out of your implements in the field has never been so easy.**

You'll always get the best results from your lift. Draft and position control, mixed control mode and float mode are just some of the functions implemented automatically by the electronic lift, which uses a suite of integrated sensors to offer you total control in all situations.

With an open-centre hydraulic system, no job is too complicated.

Spire, with a 54 L/min pump and a maximum lift capacity of 3,000/3,600 kg. Spire Target, with a 42 or 50 L/min pump and a maximum lift capacity of 2,650/3,600 kg. 4 or 6 way auxiliary distributors, configurable for single or double acting operation, cater for every possible application.



# Spire Target.

Versatility and simplicity.

Already acclaimed for its versatility and agility, the Spire Target family not only offers the ideal answer for working in restricted spaces but also - with the potent 90.4 version - for more challenging tasks.



## A TRACTOR THAT STANDS HEAD AND SHOULDERS ABOVE THE REST.

With quality that you can see and makes a difference in your work The Spire Target family is powered by FARMotion Stage III B engines which, together with a simple transmission and a hydraulic system configured specifically for these machines, offer the power and versatility you need to work with any implement. Spire Target also delivers comfort to match its performance, with an ergonomically designed four-pillar cab offering superb all-round visibility. In addition, thanks to the low centre of gravity and the integral four wheel brake system, it offers considerable safety even when working on steep slopes.

TECHNICAL DATA		Spire			
		70 Target	80 Target	90 Target	90.4 Target
ENGINE					
Emissions		Stage III B	Stage III B	Stage III B	Stage III B
Model		FARMotion	FARMotion	FARMotion	FARMotion
Cylinders/Capacity/Valves		no./cm <sup>3</sup> / no.	3/2887/2	3/2887/2	4/3849/2
Common Rail		bar	2000	2000	2000
Turbo intercooler			•	•	•
Maximum power (ECE R120) at 2000 rpm		kW/hp	48/65	55,4/75	65/88
Power at rated engine speed (ECE R120) @ 2200 rpm		kW/hp	48/65	55,4/75	61,6/84
Max. torque @ 1600 rpm		Nm	292	341	354
Torque rise		%	41	40	32
Electronic engine governor system			•	•	•
Exhaust gas treatment system			DOC / exEGR	DOC / exEGR	DOC / exEGR
Diesel tank capacity		litres	65	65	65
SHUTTLE					
Mechanical reverse shuttle			•	•	•
MECHANICAL GEARBOX					
Number of speeds		no.	10+10	10+10	10+10
Number of speeds with underdrive and supercreeper gear		no.	30+15	30+15	30+15
REAR PTO					
Dry clutch			•	•	•
Mechanical engagement			•	•	•
PTO 540/540ECO			•	•	•
PTO 540/540ECO/1000			◦	◦	◦
Synchronised PTO			◦	◦	◦
FRONT AND REAR AXLE					
Mechanically commanded 4WD			•	•	•
Mechanically commanded differential lock			•	•	•
2WD steering angle		degrees	-	-	70°
4WD steering angle		degrees	55°	55°	55°
BRAKES					
4-wheel braking			•	•	•
Mechanical hand brake			•	•	•
Hydraulic or pneumatic trailer braking valve			◦	◦	◦
STEERING					
Hydrostatic steering with independent pump			◦	◦	◦
LIFT					
Mechanically controlled rear lift			•	•	•
Rear hitch lift capacity (std)		kg	2650	2650	2650
Rear hitch lift capacity (opt)		kg	3600	3600	3600
Hydraulic System					
Pump output		l/min	42/50	42/50	42/50
Open-centre hydraulic system			•	•	•
Rear auxiliary hydraulic distributors		no.	2/3	2/3	2/3
CAB					
Air conditioning			◦	◦	◦
Suspension driver seat			•	•	•
DIMENSIONS AND WEIGHTS					
Standard rear tyres			420/70R30	420/70R30	420/70R30
Max. length without rear linkage		mm	3430	3430	3560
Width (min-max)		mm	1940-2240	1940-2240	2005-2405
Wheelbase (4WD/2WD)		mm	2100/-	2100/-	2100/2140
Front track (min-max)		mm	1460-1760	1460-1760	1460-1760
Rear track (min-max)		mm	1500-1800	1500-1800	1500-1800
Max. height at cab		mm	2460	2460	2485
Weight with cab		kg	3200	3200	3300
Maximum load allowed		kg	5200	5200	5200

STD • OPT ◦ Not available -



TECHNICAL DATA		Spire			
		80	90	90.4	100.4
ENGINE					
Emissions		Stage III B	Stage III B	Stage III B	Stage III B
Model		FARMotion	FARMotion	FARMotion	FARMotion
Cylinders/Capacity/Valves	no./cm³/no.	3/2887/2	3/2887/2	4/3849/2	4/3849/2
Common Rail	bar	2000	2000	2000	2000
Turbo intercooler		•	•	•	•
Maximum power (ECE R120) at 2000 rpm	kW/hp	55,4/75	65/88	65/88	75/102
Power at rated engine speed (ECE R120) @ 2200 rpm	kW/hp	55,4/75	61,6/84	61,6/84	71,1/97
Max. torque @ 1600 rpm	Nm	341	354	354	408
Torque rise	%	40	32	32	32
Electronic engine governor system		•	•	•	•
Exhaust gas treatment system		DOC / exEGR	DOC / exEGR	DOC / exEGR	DOC / exEGR
Diesel tank capacity	litres	100	100	100	100
SHUTTLE					
Mechanical reverse shuttle		•	•	•	-
Hydraulic reverse power shuttle (on GS version)		•	•	•	•
Stop&Go system (on GS version)		•	•	•	•
MECHANICAL GEARBOX					
Number of speeds with underdrive and supercreeper gear	no.	30+15	30+15	30+15	30+15
Overspeed (40 Km/h Eco)		•	•	•	•
POWERSHIFT TRANSMISSION					
Number of speeds with supercreeper gear	no.	45+45	45+45	45+45	45+45
Number of Powershift gears	no.	3	3	3	3
Overspeed (40 Km/h Eco)		•	•	•	•
REAR PTO					
Multiplate wet clutch		•	•	•	•
Electrohydraulic command		•	•	•	•
PTO 540/540ECO		•	•	•	•
PTO 540/540ECO/1000		o	o	o	o
Synchronised PTO		o	o	o	o
FRONT PTO					
PTO 1000		o	o	o	o
FRONT AND REAR AXLE					
Electrohydraulically commanded 4WD		•	•	•	•
Electrohydraulically commanded differential lock		•	•	•	•
2WD steering angle	degrees	-	70°	70°	-
4WD steering angle	degrees	55°	55°	55°	55°
BRAKES					
4-wheel braking		•	•	•	•
Mechanical hand brake		•	•	•	•
Hydraulic or pneumatic trailer braking valve		o	o	o	o
STEERING					
Hydrostatic steering with independent pump		•	•	•	•
LIFT					
Mechanically controlled rear lift		•	•	•	•
Electronically controlled rear lift		o	o	o	o
Rear hitch lift capacity (std)	kg	3000	3000	3000	3000
Rear hitch lift capacity (opt)	kg	3600	3600	3600	3600
Front lift		o	o	o	o
Front hitch lift capacity	kg	1750	1750	1750	1750
Hydraulic System					
Pump output	l/min	54	54	54	54
Open-centre hydraulic system		•	•	•	•
Rear auxiliary hydraulic distributors	no.	3	3	3	3
CAB					
Air conditioning		o	o	o	o
High-visibility cab roof		o	o	o	o
Suspension driver seat		•	•	•	•
DIMENSIONS AND WEIGHTS					
Standard rear tyres		420/70R30	420/70R30	480/70R30	480/70R30
Max. length without rear linkage	mm	3430	3430	3560	3560
Width (min-max)	mm	1940-2240	1940-2240	2005-2405	2005-2405
Wheelbase (4WD/2WD)	mm	2100/-	2100/2140	2230/2270	2230/-
Front track (min-max)	mm	1460-1760	1460-1760	1450-1850	1450-1850
Rear track (min-max)	mm	1500-1800	1500-1800	1500-1900	1500-1900
Max. height at cab	mm	2460	2460	2485	2485
Weight with cab	kg	3200	3200	3300	3300
Maximum load allowed	kg	5200	5200	5200	5200

STD • OPT o Not available -

DEALER

www.lamborghini-tractors.com



Lamborghini Trattori is a brand of SDF

