



# Spire F/S/V 80 Target

Cab - Platform

Stage V



# 100% Lamborghini Trattori.

At first glance, it is clear that the new Lamborghini Spire F/S/V 80 Target family is a cut above anything else in this segment, with a unique sense of elegance and a striking design in keeping with the style of the bigger siblings in the Lamborghini Trattori family. These are also extremely simple to use and economical machines with impressive technological content.

## Engine

For minimised running costs and extraordinary simplicity of use, the new FARMotion 35 Stage V engines meet emissions requirements without needing additive fluids. The extremely compact layout of the 3 cylinder unit contributes to the extraordinarily svelte exterior dimensions of the new Lamborghini Spire F/S/V 80 Target family, allowing for astonishing agility. With a maximum engine speed of just 2200 rpm, 76 HP and 341 Nm of maximum power and torque, a torque reserve of 28% and, above all, with 88% of maximum torque (300 Nm) already on tap at just 1100 rpm, this engine delivers all the performance you need to work effectively and maximise productivity with any implement.

## Axles and brakes

The axles and brakes were developed specifically for these specialised models, with state of the art solutions setting the Lamborghini Spire F/S/V 80 Target head and shoulders above anything else in this class. Brakes on all 4 wheels ensure guaranteed stopping safety, while electrohydraulically engaged 4WD and differential locks are offered as standard for maximised traction. As an alternative to a conventional swinging front axle, these tractors are also available with a revolutionary new adaptive, independent front suspended axle. Offering a combination of active damping, self-levelling and traction control functions, the exclusive independent suspension system of Spire F/S/V 80 Target tractors improves stability, grip, traction, comfort and safety in all terrain conditions, both in the field and on the road. Boasting a compact design and highly effective integrated management functions, this solution also includes Anti-Dive and Anti-Roll functions, which significantly increase active safety and driver comfort, but also productivity in tasks demanding extreme precision, such as row, hedge and green wall maintenance.





The extraordinarily versatile and efficient transmissions of the Lamborghini Spire F/S/V 80 Target family are the product of many years of extensive experience in the compact specialised tractor segment. All transmission versions are based on a 5 speed main gearbox which, in the base configuration, is complemented with 3 ranges, a synchronised mechanical reverse shuttle and a splitter doubling the number of forward speeds available. This configuration already offers a choice of 30+15 speeds, but for customers looking for an even more comprehensive solution, a 3 stage Powershift transmission is also available, for a total of 45 speeds in both directions. Regardless of the number of ratios offered by the transmission (30+15 or 45+45), all variants can also be equipped with an electrohydraulic reverse shuttle, which also includes the Stop&Go and ComfortClutch functions - the latter letting the operator shift gear by simply pressing a button on the shift lever without using the clutch pedal.

All versions are capable of a maximum road speed of 40 km/h which, in the case of the F and S variants, is attainable at engine economy speed. At the other end of the speed scale, even when equipped with the largest diameter tyre sizes possible, these tractors can work at ground speeds as low as 205 or 246 metres per hour (depending on transmission version) at maximum engine speed in the lowest creeper ratio available.

## PTO

The PTO comes as standard with 540 rpm + 540ECO speed modes and a progressively engaged electrohydraulic clutch. A choice of classic fixed or interchangeable splined PTO output stub shafts is offered. 1000 rpm mode and groundspeed mode, which synchronises the rear PTO with the transmission, are also available as options, as is a 1000 rpm front PTO.





## Hydraulics

The potent hydraulic systems equipping the tractors of the Spire F/S/V 80 Target family were developed to work effectively even with the heaviest duty implements and to offer tailor-made solutions for the specific needs of the customer. All versions come as standard with dual hydraulic pumps. The 54 l/min primary pump feeds the lift and distributors, while a 26 or 45 l/min secondary pump (depending on configuration) delivers oil to the steering system and ancillaries. A third pump is also available as an option to increase the overall delivery rate for the lift and distributors to 64 l/min. These tractors are equipped as standard

with 3 double acting rear distributors with a free return line; while up to 4 couplers and a free return line can also be duplicated in a mid-mounted position. All versions come as standard with a flow regulator valve. The rear lift is offered as a classic mechanically controlled version as standard, while an electronically controlled version is available as an option. Maximum lift capacity is 2800 Kg for the Spire F 80 Target, and 2600 Kg for all other versions. Other options include hydraulically adjustable versions of the right hand tie-rod and stabilizers and a front lift with 1500 Kg capacity.



## Driving position

In keeping with consolidated Lamborghini Trattori traditions, both 4-pillar cab versions and platform versions boast an exclusive, elegant design with a touch of class that makes all the difference. Every aspect of the Spire F/S/V 80 Target family was defined with painstaking attention to detail and style. The intelligent layout of the driver zone offers

class-beating levels of operator comfort. All the controls are placed within easy reach of the driver and designed for precise, positive action, while the Lamborghini Trattori brand's tried-and-tested colour-coded control layout ensures extraordinarily intuitive use.



ENGINE		
Model		FARMotion 35
Emission level		Stage V
Aspiration		Turbo Intercooler
Injection @ pressure	Type	Common Rail @ 2,000 bar
Cylinder/Displacement	n°/cc	3/2887
Max. power (ECE R120)	kW/HP	55.8/76
Power at rated engine speed (ECE R120)	kW/HP	55.2/75
Max torque @ 1500 rpm	Nm	341
Fuel tank capacity (with front lift/PTO)	l	55 (35)
Fuel tanks capacity with additional fuel tank (with front lift/PTO)	l	95 (75)
TRANSMISSION - MECHANICAL SHUTTLE		
Number of speeds - 5 gears transmission		30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h	40 ECO*
TRANSMISSION - POWERSHUTTLE		
Number of speeds - 5 gears transmission		30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h	40 ECO*
PTO		
PTO speeds		540/540ECO or 540/540ECO/1000
Groundspeed PTO		<input type="checkbox"/>
Front PTO 1000		<input type="checkbox"/>
LIFT		
Mechanical rear lift		<input checked="" type="checkbox"/>
Electronic rear lift		<input type="checkbox"/>
Rear lift capacity	Kg	2800
Hydraulic right tie rod and stabilisers		<input type="checkbox"/>
Front lift (1500 Kg)		<input type="checkbox"/>
HYDRAULICS		
Open centre hydraulic system (STD)	l/min	54
Open centre hydraulic system with double pump (OPT)	l/min	64
Rear spool valves (STD)	n°	3
Flow regulator		<input checked="" type="checkbox"/>
Rear free return		<input checked="" type="checkbox"/>
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways	2/4
Mid-mounted free return		<input type="checkbox"/>
BRAKES		
4 wheel braking		<input checked="" type="checkbox"/>
Hydraulic trailer brake		<input type="checkbox"/>
FRONT AXLE		
Electrohydraulic engagement for 4WD and Diff.Lock		<input checked="" type="checkbox"/>
Auto 4WD		<input type="checkbox"/>
Independent steering pump		<input checked="" type="checkbox"/>
INDEPENDENT FRONT SUSPENDED AXLE (OPT)		
Adaptive-Damping, Active Self-Levelling functions		<input checked="" type="checkbox"/>
Anti-Dive, Anti-Roll functions		<input checked="" type="checkbox"/>
Differential Traction Control (DTC)		<input checked="" type="checkbox"/>
CAB		
4-post cab		<input checked="" type="checkbox"/>
Driver seat with pneumatic suspension		<input checked="" type="checkbox"/>
Air conditioning		<input type="checkbox"/>
4x Halogen working lights		<input checked="" type="checkbox"/>
Adjustable steering column		<input checked="" type="checkbox"/>
PLATFORM		
2-post foldable ROPS		<input checked="" type="checkbox"/>
Driver seat with mechanical suspension		<input checked="" type="checkbox"/>
DIMENSIONS		
With front tyre	Size	300/70 R20
With rear tyre	Size	420/70 R28
Wheelbase	mm	2011
Max. length	mm	3680
Total height - CAB	mm	2396
Height at bonnet	mm	1453
Width	mm	1624
Weight - platform	Kg	2730
Weight - CAB	Kg	2995
Total admissible load	Kg	5000

\* engine rpm at max. speed varies according to rear tyre size

STD  OPT  Not available -

ENGINE			
Model			FARMotion 35
Emission level			Stage V
Aspiration			Turbo Intercooler
Injection @ pressure	Type		Common Rail @ 2,000 bar
Cylinder/Displacement	n°/cc		3/2887
Max. power (ECE R120)	kW/HP		55.8/76
Power at rated engine speed (ECE R120)	kW/HP		55.2/75
Max torque @ 1500 rpm	Nm		341
Fuel tank capacity (with front lift/PTO)	l		55 (35)
Fuel tanks capacity with additional fuel tank (with front lift/PTO)	l		85 (65)
TRANSMISSION - MECHANICAL SHUTTLE			
Number of speeds - 5 gears transmission			30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h		40 ECO*
TRANSMISSION - POWERSHUTTLE			
Number of speeds - 5 gears transmission			30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h		40 ECO*
PTO			
PTO speeds			540/540ECO or 540/540ECO/1000
Groundspeed PTO			<input type="checkbox"/>
Front PTO 1000			<input type="checkbox"/>
LIFT			
Mechanical rear lift			<input checked="" type="checkbox"/>
Electronic rear lift			<input type="checkbox"/>
Rear lift capacity	Kg		2600
Hydraulic right tie rod and stabilisers			<input type="checkbox"/>
Front lift (1500 Kg)			<input type="checkbox"/>
HYDRAULICS			
Open centre hydraulic system (STD)	l/min		54
Open centre hydraulic system with double pump (OPT)	l/min		64
Rear spool valves (STD)	n°		3
Flow regulator			<input checked="" type="checkbox"/>
Rear free return			<input checked="" type="checkbox"/>
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways		2/4
Mid-mounted free return			<input type="checkbox"/>
BRAKES			
4 wheel braking			<input checked="" type="checkbox"/>
Hydraulic trailer brake			<input type="checkbox"/>
FRONT AXLE			
Electrohydraulic engagement for 4WD and Diff.Lock			<input checked="" type="checkbox"/>
Auto 4WD			<input type="checkbox"/>
Independent steering pump			<input checked="" type="checkbox"/>
INDEPENDENT FRONT SUSPENDED AXLE (OPT)			
Adaptive-Damping, Active Self-Levelling functions			<input checked="" type="checkbox"/>
Anti-Dive, Anti-Roll functions			<input checked="" type="checkbox"/>
Differential Traction Control (DTC)			<input checked="" type="checkbox"/>
CAB			
4-post cab			<input checked="" type="checkbox"/>
Driver seat with pneumatic suspension			<input checked="" type="checkbox"/>
Air conditioning			<input type="checkbox"/>
4x Halogen working lights			<input checked="" type="checkbox"/>
Adjustable steering column			<input checked="" type="checkbox"/>
PLATFORM			
2-post foldable ROPS			<input checked="" type="checkbox"/>
Driver seat with mechanical suspension			<input checked="" type="checkbox"/>
DIMENSIONS			
With front tyre	Size		280/70 R18
With rear tyre	Size		380/70 R28
Wheelbase	mm		2050
Max. length	mm		3695
Total height - CAB	mm		2371
Height at bonnet	mm		1503
Width	mm		1380
Weight - platform	Kg		2695
Weight - CAB	Kg		2850
Total admissible load	Kg		4600

\* engine rpm at max. speed varies according to rear tyre size

STD  OPT  Not available -

**TECHNICAL DATA**
**SPIRE V 80 TARGET**

7


<b>ENGINE</b>		
Model		FARMotion 35
Emission level		Stage V
Aspiration		Turbo Intercooler
Injection @ pressure	Type	Common Rail @ 2,000 bar
Cylinder/Displacement	n°/cc	3/2887
Max. power (ECE R120)	kW/HP	55.8/76
Power at rated engine speed (ECE R120)	kW/HP	55.2/75
Max torque @ 1500 rpm	Nm	341
Fuel tank capacity (with front lift/PTO)	l	55 (35)
Fuel tanks capacity with additional fuel tank (with front lift/PTO)	l	85 (65)
<b>TRANSMISSION - MECHANICAL SHUTTLE</b>		
Number of speeds - 5 gears transmission		30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h	40 ECO*
<b>TRANSMISSION - POWERSHUTTLE</b>		
Number of speeds - 5 gears transmission		30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h	40 ECO*
<b>PTO</b>		
PTO speeds		540/540ECO or 540/540ECO/1000
Groundspeed PTO		<input type="checkbox"/>
Front PTO 1000		<input type="checkbox"/>
<b>LIFT</b>		
Mechanical rear lift		<input checked="" type="checkbox"/>
Electronic rear lift		<input type="checkbox"/>
Rear lift capacity	Kg	2600
Hydraulic right tie rod and stabilisers		<input type="checkbox"/>
Front lift (1500 Kg)		<input type="checkbox"/>
<b>HYDRAULICS</b>		
Open centre hydraulic system (STD)	l/min	54
Open centre hydraulic system with double pump (OPT)	l/min	64
Rear spool valves (STD)	n°	3
Flow regulator		<input checked="" type="checkbox"/>
Rear free return		<input checked="" type="checkbox"/>
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways	2/4
Mid-mounted free return		<input type="checkbox"/>
<b>BRAKES</b>		
4 wheel braking		<input checked="" type="checkbox"/>
Hydraulic trailer brake		<input type="checkbox"/>
<b>FRONT AXLE</b>		
Electrohydraulic engagement for 4WD and Diff.Lock		<input checked="" type="checkbox"/>
Auto 4WD		<input type="checkbox"/>
Independent steering pump		<input checked="" type="checkbox"/>
<b>INDEPENDENT FRONT SUSPENDED AXLE (OPT)</b>		
Adaptive-Damping, Active Self-Levelling functions		<input checked="" type="checkbox"/>
Anti-Dive, Anti-Roll functions		<input checked="" type="checkbox"/>
Differential Traction Control (DTC)		<input checked="" type="checkbox"/>
<b>CAB</b>		
4-post cab		<input checked="" type="checkbox"/>
Driver seat with pneumatic suspension		<input checked="" type="checkbox"/>
Air conditioning		<input type="checkbox"/>
4x Halogen working lights		<input checked="" type="checkbox"/>
Adjustable steering column		<input checked="" type="checkbox"/>
<b>PLATFORM</b>		
2-post foldable ROPS		<input checked="" type="checkbox"/>
Driver seat with mechanical suspension		<input checked="" type="checkbox"/>
<b>DIMENSIONS</b>		
With front tyre	Size	180/95 R16
With rear tyre	Size	280/85 R24
Wheelbase	mm	2050
Max. length	mm	3695
Total height - CAB	mm	2271
Height at bonnet	mm	1483
Width	mm	1166
Weight - platform	Kg	2670
Weight - CAB	Kg	2830
Total admissible load	Kg	4600

\* engine rpm at max speed varies according to rear tyre size

 STD  OPT  Not available -

[www.lamborghini-tractors.com](http://www.lamborghini-tractors.com)



Lamborghini Trattori is a brand of  SDF

