



Spire

95 | 105

Stage V



TECHNICAL DATA

Spire

95

105

ENGINE		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 @ 2.000			
Max. power (ECE R120)	kW/Hp	70 / 95		78 / 106	
Power at rated speed (ECE R120)	kW/Hp	66.4 / 90		74 / 101	
Speed at maximum power	rpm	2000			
Max. engine speed (rated)	rpm	2200			
Max. torque	Nm	389		433	
Speed at maximum torque	rpm	1400		1400	
Air filter with dust ejector		■			
Fuel tank capacity (STD/OPT)	l	85 / 110			
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 x 3 range			
N° of speed with Mechanical splitter and creeper	n°	30+15			
N° of speed with HML 3-Powershift steps and creeper	n°	45+45			
Top speed 40 km/h ECO	rpm	1805			
POWERSHUTTLE					
Gearbox	n°	5 gears x 3 range			
N° of speed with Mechanical splitter and creeper	n°	30+15			
N° of speed with HML 3-Powershift steps and creeper	n°	45+45			
Stop&Go		■			
ComfortClutch		■			
Top speed 40 km/h ECO	rpm	1805			
HYDRAULICS AND LINKAGE					
Pump flow (STD)	l/min	54			
Separate steering pump		■			
Spool valves controls	Type	Mechanical			
Hydraulic auxiliary control valves (STD)	n°	3			
Free pressureless return		■			
Automatic lower link stabilisers (mechanical)		□			
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 540/540E		■			
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		■			
Hydraulic trailer brake with DualMode function		□			
ABS socket		□			
ELECTRICAL SYSTEM					
Voltage	V	12			
Standard battery	V / Ah	12 / 100			
Alternator	V / A	14 / 120			
Starter motor	V / kW	12 / 3.5			
External socket		■			

STD ■ OPT □ Not available -

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CAB			
4-pillar cab			■
Adjustable and telescopic rear view mirrors			■
Air conditioning			□
High visibility roof			□
High visibility roof FOPS			□
Seat Max 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			□
Up to 2x Beacon light LED			□
FRONT LOADER			
Pre-arrangement Light 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.)		380/70 R20	
Rear tyres (max.)		540/65 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	

Highlights

ENGINE

The new Spire Stage V are fitted with the powerful and reliable FARMotion 45 engine. Despite having one of the most generous displacements in its category, the overall dimensions of the FARMotion 45 are extremely compact, guaranteeing excellent visibility from the driving position and excellent manoeuvrability. Spire Stage V deliver maximum power of 95 and 106 Hp respectively at 2000 rpm, while maximum torque at 1400 rpm is 389 and 433 Nm.

TRANSMISSION

The different combinations available are all characterised by high efficiency and a 5-speed gearbox with 3 ranges, designed to travel at 40 km/h at an economical reduced engine speed. The simpler configuration feature 30+15 speeds, the most complete has 45+45 speeds. On the LS versions, the shuttle is mechanical and synchronised, while on the GS versions there is a Powershuttle with SenseClutch; there are also the Stop&Go function and ComfortClutch.

CAB

The modern 4-pillar design and the particularly large glazed area of the cab ensure excellent visibility both during the day and in the dark, also thanks to the possibility of installing up to 4 front and 2 rear working lights, also available in LED. The canopy is available in a 'narrow' profile to keep the tractor's dimensions compact for working in orchards and vineyards, or in a high-visibility version, or even with FOPS protection, which is essential in forestry use.

HYDRAULICS

The open-centre hydraulic system has a 54 l/min pump dedicated to the linkage and spool valves; The 3 standard rear spool valves have different operating modes. The powerful rear lift has a maximum lift capacity of 3600 kg. It is controlled mechanically, or electronically, implemented in this case with the functions of active damping of vibrations induced when transporting mounted implements. A powerful front lift with a maximum capacity of 2100 kg is also available as an option.


AXLES AND BRAKES

The front and rear axles of the new Lamborghini Spire Stage V have been specially designed and manufactured by Lamborghini Trattori. To ensure true all-wheel braking, the front axle incorporates oil bath multi-disc brakes as standard. The integral differential locks on both axles are electro-hydraulically controlled as standard. As an option, the innovative PneuTrac tyres are available.



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Lamborghini Trattori is a brand of  SDF

