



# Spire Trend

70 | 80 | 90 | 100



# Lamborghini Spire Trend: performing and versatile.

Thanks to the FARMotion 35 engines, purposely designed for the agricultural context, the Lamborghini Spire Trend guarantees first class performance to meet every possible need, with a wide choice of configurations and optimum comfort. The new transmissions enable a speed of 40 km/h with the engine running at economy mode, and the highly compact layout ensures excellent manoeuvrability. Productivity levels are high, whatever the situation, thanks also to the electro hydraulic mechanisms for front wheel drive engagement and differential locking.

## Engine

The Lamborghini Spire Trend range offers 4 models from 66 to 102 HP, all characterised by high efficiency levels and minimum maintenance needs. The 3-cylinder FARMotion 35 engines enhance the already excellent handling of the Spire Trend, and the use of components like the viscostatic fan, turbocharger with intercooler and waste-gate valve, along with an advanced common rail injection system, produces first class results whilst at the same time keeping diesel consumption at the lowest levels in this category.

The advanced concept of the engines respects the limits envisaged by Stage V in terms of polluting emissions, merely using the DOC+DPF (70-80 models) or DOC+DPF+SCR (90-100 models). The new FARMotion 35 engines keep the maximum rotation speed within 2,200 rpm, with high torque reserves which, in the version mounted on the Lamborghini Spire Trend 100, reach 35%.

Electronic injection management has introduced the possibility to memorise two work speeds, which can be activated via a dedicated button command on the driver's seat; when enabled, they allow the connected attachments to be used in a smooth manner, even in the event of sudden



load variations. With the new layout underneath the bonnet, the DOC catalytic converter is positioned in a sheltered, protected area along with the new PowerCore 2-stage air filter (which can be fitted upon request with a dust ejector). To facilitate maintenance, all inspection and service points have been made more easy to access, and the radiator pack is now protected by two practical sliding screens.

## Transmission and PTO

For Lamborghini Spire Trend models, there is a main combination based on 5 gears for 3 ranges, allowing the vehicle to travel at 40 km/h with the engine running at just 1,800 rpm (with 420/70 R30 tyres). With the optional splitter (activated by means of a handy lever beneath the steering wheel), the gear ratios are increased to 30 forward and 15 reverse; with the shortest gear ratio (and the engine running at maximum speed), work can be carried out whilst travelling at just 245 m/h. Electrohydraulic front wheel drive and front and rear differential locking are standard.

The PTO comes as standard with 540 rpm and 540 ECO speed modes, but a 1,000 rpm mode or groundspeed PTO can also be added as an option.

The front wheels have a maximum steering angle of 55°, with a maximum permitted load of 2,300 kg. For unrivalled safety in its reference segment, the front wheels of the Lamborghini Spire Trend are fitted with brake discs.





## Hydraulics and lift

Making this family of tractors even more versatile. The hydraulic system may be specified with a 48 or 56 l/min pump and with 2 to 6 way hydraulic distributors.

All variants feature a dedicated, independent gear pump feeding the steering system only. The rear lift has a maximum lift capacity of 2,500 kg at the lower link ends, which may be increased as an option to 3,500 kg. For rear lift control is now available the EasyLift system that allows to raise and lower the implements using a single button on the console.



## Front loader ready

Spire Trend can also be pre-arranged for front loader applications thanks to the availability of Light or Ready kits directly from the factory.



## Driving position

The new cab of the Lamborghini Spire Trend guarantees optimum driving comfort, with special Silent-Blocks to dampen the transmission vibration and a comfortable seat with efficient mechanical suspension offering adjustable rigidity. For the most demanding users, the optional configurations include a seat with pneumatic suspension. The new layout of the commands is rational, user-friendly and highly responsive. The analogue/digital display follows the steering column in the correct adjustment of the tilt, thus ensuring a clear view of the machine's main operating parameters at all times. The models of the Lamborghini Spire Trend range can also be fitted with an optional panoramic high-visibility roof and type-approved FOPS.

| TECHNICAL DATA                         |        | SPIRE Trend                                |             |                 |             |
|--|--------|--|-------------|-----------------|-------------|
|  |        | 70   | 80          | 90              | 100         |
| <b>ENGINE</b>                          |        |  |             |                 |             |
| Type                                   |        | FARMotion 35                               |             |                 |             |
| Emission level                         |        | Stage V                                    |             |                 |             |
| Cylinders/Displacement                 | n°/cc  | 3 / 2.887                                  |             |                 |             |
| Bore/Stroke                            | mm     | 103 / 115,5                                |             |                 |             |
| Aspiration                             |        | Turbo Intercooler                          |             |                 |             |
| Injection @ pressure                   | Type   | Common Rail @ 2.000 bar                    |             |                 |             |
| Max. power @ 2.000 rpm                 | kW/Hp  | 48,9 / 66                                  | 55,8 / 76   | 67 / 91         | 75 / 102    |
| Rated power @ 2.200 rpm                | kW/Hp  | 48 / 65                                    | 55,2 / 75   | 63,5 / 86       | 71,1 / 97   |
| Max. torque                            | Nm     | 297 @ 1.500                                | 341 @ 1.500 | 372 @ 1.400     | 417 @ 1.400 |
| Torque rise                            | %      | 16   | 28          | 35              | 35          |
| VISCO cooling fan                      |        | ■  | ■           | ■               | ■           |
| Fuel tank / AdBlue                     | l      | 90 / -                                     |             | 90 / 12         |             |
| EAT                                    | System | DOC + DPF                                  |             | DOC + DPF + SCR |             |
| <b>TRANSMISSION</b>                    |        |  |             |                 |             |
| SDF transmission                       | Type   | T3300                                      |             |                 |             |
| Gearbox                                | n°     | 5 gears x 3 ranges                         |             |                 |             |
| <b>STD transmission</b>                |        |  |             |                 |             |
| Shuttle                                | Type   | Mechanical with lever under steering wheel |             |                 |             |
| N° of speed                            | n°     | 15 + 15                                    |             |                 |             |
| Max. speed                             | Km/h   | 40 ECO (@ 1.800 engine rpm)                |             |                 |             |
| Min. speed                             | m/h    | 298  |             |                 |             |
| <b>OPT TRANSMISSION WITH SPLITTER</b>  |        |  |             |                 |             |
| Shuttle                                | Type   | Mechanical with lever under steering wheel |             |                 |             |
| Splitter                               | Type   | Mechanical, integrated with shuttle lever  |             |                 |             |
| N° of speed                            | n°     | 30 + 15                                    |             |                 |             |
| Max speed                              | Km/h   | 40 ECO (@ 1.800 engine rpm)                |             |                 |             |
| Min speed                              | m/h    | 245  |             |                 |             |
| <b>PTO</b>                             |        |  |             |                 |             |
| Mechanical engagement                  |        | ■  | ■           | ■               | ■           |
| 540/540ECO                             |        | ■  | ■           | ■               | ■           |
| 540/540ECO/1000                        |        | □  | □           | □               | □           |
| 540/540ECO + Groundspeed PTO           |        | □  | □           | □               | □           |
| <b>LIFT</b>                            |        |  |             |                 |             |
| Mechanical rear lift                   |        | ■  | ■           | ■               | ■           |
| Mechanical rear lift with "EASYLIFT"   |        | □  | □           | □               | □           |
| Rear lifting capacity (STD)            | Kg     | 2.500                                      | 2.500       | 2.500           | 2.500       |
| Rear lifting capacity (OPT)            | Kg     | 3.500                                      | 3.500       | 3.500           | 3.500       |
| <b>HYDRAULICS</b>                      |        |  |             |                 |             |
| Pump flow (STD)                        | l/min  | 48   | 48          | 48              | 48          |
| Pump flow (OPT)                        | l/min  | 56   | 56          | 56              | 56          |
| Rear spool valves                      | n°     | 2 / 3                                      | 2 / 3       | 2 / 3           | 2 / 3       |
| <b>BRAKES</b>                          |        |  |             |                 |             |
| 4 wheel braking                        |        | ■  | ■           | ■               | ■           |
| Mechanical parking brake               |        | ■  | ■           | ■               | ■           |
| Hydraulic Dual Mode trailer brake      |        | □  | □           | □               | □           |
| <b>4WD FRONT AXLE</b>                  |        |  |             |                 |             |
| Front axle                             | Size   | 1  | 1           | 1               | 1           |
| Steering angle                         | °      | 55   | 55          | 55              | 55          |
| Electrohydraulic 4WD engagement        |        | ■  | ■           | ■               | ■           |
| Electrohydraulic Diff. Lock engagement |        | ■  | ■           | ■               | ■           |
| <b>CAB</b>                             |        |  |             |                 |             |
| Adjustable steering column             |        | ■  | ■           | ■               | ■           |
| Openable front and rear windows        |        | ■  | ■           | ■               | ■           |
| Pneumatic seat suspension              |        | □  | □           | □               | □           |
| Manual A/C                             |        | □  | □           | □               | □           |
| High visibility roof                   |        | □  | □           | □               | □           |
| FDPS certification                     |        | □  | □           | □               | □           |
| <b>DIMENSIONS</b>                      |        |  |             |                 |             |
| With rear tyre                         | Size   | 420/70 R30"                                | 420/70 R30" | 420/70 R30"     | 420/70 R30" |
| Wheelbase                              | mm     | 2.100                                      | 2.100       | 2.100           | 2.100       |
| Max. length                            | mm     | 3.890                                      | 3.890       | 3.890           | 3.890       |
| Centre rear axle - Cab                 | mm     | 1.820                                      | 1.820       | 1.820           | 1.820       |
| Total height                           | mm     | 2.520                                      | 2.520       | 2.520           | 2.520       |
| Width                                  | mm     | 1.882                                      | 1.882       | 1.882           | 1.882       |
| Weight                                 | Kg     | 3.250                                      | 3.250       | 3.350           | 3.350       |
| Total admissible load                  | Kg     | 5.200                                      | 5.200       | 5.200           | 5.200       |

STD ■ OPT □ Not available -

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Lamborghini Trattori is a brand of  SDF

