

# FERRARI

language



MADE IN ITALY

# VEGA SDT





## SDT SERIES: SUCCESS IS NEVER A COINCIDENCE

IN ORDER TO BE SUCCESSFUL, A GREAT PROJECT MUST INCLUDE THE GREATEST NUMBER OF POSSIBLE SOLUTIONS: SO FOR THE VEGA SERIES WE CREATED A **SDT VERSION WITH DIFFERENTIATED WHEELS**, DESIGNED FOR THE VARIOUS NEEDS THAT OUR CUSTOMERS MOTIVATE US TO SATISFY EVERY DAY. **PERFORMANCE, DIMENSIONS, MANOEUVRABILITY, COMFORT AND SAFETY** ARE THE QUALITIES OUR TECHNICIANS GAVE EMPHASIS TO IN ORDER TO CREATE THIS PROJECT, WHAT REALLY MAKES **THE DIFFERENCE BETWEEN A SPECIALISED FERRARI TRACTOR AND A REGULAR TRACTOR.**

### VEGA SDT

**Specialised tractors with differentiated wheels in the configuration with steering wheels and DUALSTEER® versions.**

The VEGA SDT are versatile and performing machines, the best qualities of which are manoeuvrability and reliability. The SDT range counts on two versions: the traditional one with steering wheels and another one with the innovative **DUALSTEER®** steering system. The remarkable differentiation between the diameter of the front wheels in comparison with the rear ones allows to limit the steering radius to the bare minimum. The short pitch and the low centre of mass remain the winning features which

enable these tractors to work without problems in limited areas and on steep slopes, where the **DUALSTEER®** version is leading both in manoeuvrability and in stability. The VEGA SDT have been designed for heavy uses in high stress conditions and therefore particular attention has been dedicated to the operator's comfort and safety. The control position and the comfortable cabins make the driving position handy and homely.





## STRONGER AND MORE PROFITABLE THAN EVER

Like all the products that boast the FERRARI trademark, also the new SDT series has been designed to offer concrete value to the investment: lower consumption, greater performance, higher versatility and reliability. The inspiring principle of the project was to create tractors giving the most favourable working conditions and offering their owners more competitive financial management.

### A RELIABLE COMPANY

With over sixty years of experience to their name, high quality production, remarkable design, production and distribution capability, FERRARI is one of the most established companies in the agricultural machinery sector and has been ISO 9001 certified since 1994.

### AN EXPERT NETWORK

Competence and experience make every FERRARI dealer stand out: professionalism you can rely on, the certainty of being advised and accompanied through the choice of machine that is right for your specific needs.



### QUALITY SERVICES

Before and after sales, the quality of their services can make the difference. Choosing a FERRARI tractor means:

- **AFTER-SALES SUPPORT:** the integrated network of authorised dealers and spare parts dealers is at hand for anyone seeking rapid and safe assistance.



- **GUARANTEE:** FERRARI provides a two-year guarantee on all SDT tractors, included in the price, also covering the engine.



## SDT SERIES: QUALITY CHOICES BRING YOU FARTHER

- **Cutting-edge technology** because, since we have been manufacturing them, we are continuing to redefine the rules of the specialised tractor world.

- **Emissions and reduced consumptions** thanks to the new technology of the cutting-edge engines.

- **Transmissions** with "long-life" multidisc wet clutches, less bulky than the standard dry single disc clutches but serving the machines all the life long.

- **DUALSTEER® system:** the unique double steering system on the market of the specialised tractors: you can't give it up if you need the highest manoeuvrability of the tractor, with steering radius of 70°. The system improves the tractor's stability when using it on slopes. The **DUALSTEER® system has been patented by us.**

- **Multidisc wet brakes** assuring reliability and safety.

- **Record dimensions:** minimum width at 135 cm. and reduced pitch at 160 cm. only, the best in the category.

- **Advanced systems to improve the reliability of the machines:** the Self-Cleaning System® takes care of the cooling system.

- **Hydraulic system with large oil output** to the many control valves with oversized hydraulic pumps which guarantee high pressures and maximum performance.

- **Front and rear wheels with remarkable differentiation**

to enhance the traction features of the "conventional tractors" while keeping the qualities of the "isodiametric" tractors, exploiting the short pitch and the low centre of mass.

- **Active and passive safety,** guaranteed by the perfect weight distribution on the axles, by the low centre of mass, by the efficient braking system, by the protection frames and the homologated cabins, by the design logic of the controls and of the driving position.

- **Compact and comfortable cabins** giving a sensation of wellness and safety.

# ENGINES: PERFORMANCE IS THE HEART OF EVOLUTION



PERFORMANCE

MAXIMUM SIMPLICITY

POWER

RELIABILITY

The reduction of fuel consumption and emissions to a minimum and the maximisation of engine performance are the results of the innovative technological approach that distinguishes the propellers supplied with the SDT series.

With the **new VM D754** the VEGA SDT are equipped with an even larger and higher performance heart.

The new engines are distinguished by greater efficiency: more powerful thanks to the intercooler, cleaner and quieter thanks to the new technology in full compliance with the continually more restrictive regulations and even simpler in order to further enhance the choice of a VEGA SDT tractor, able to give you fantastic response from the start.

## 79 and 91 HP

There are two VM engines available for the SDT series, dedicated to harnessing the power of each individual drop of fuel.

- **VM D754 TE3** 4 inline cylinder 3 liter Diesel turbo engine, 79 HP at 2300 r.p.m.
- **VM D754 IE3** 4 inline cylinder 3 liter Diesel turbo engine, 91 HP at 2300 r.p.m. thanks to the intercooler

For these models, VM has developed the new **EGR System** located inside the engine. The system provides for the recycling of the exhaust gases which, properly mixed, return to the combustion chamber, drastically reducing the nitrogen oxide (NOx) emissions and fuel consumption.

The decision to use a lower number of rpms, 2300 rpm/min was conceived to reduce consumption, noise level and vibrations, with the benefit of savings and comfort.



SDT SERIES	Type	Power (kw/hp)	No. of cylinders	Displacement	Aspiration	Cooling system
<b>VEGA V85</b>	VM D754 TE3	58 / 79	4	2970	Turbo	Liquid
<b>VEGA V95</b>	VM D754 IE3	67 / 91	4	2970	Turbo Intercooler	Liquid

## FEATURES:

- **THE TUNNEL BORE BASE** allows great torsion and flexural rigidity.
- **ROTARY MECHANICAL INJECTION PUMPS** that make these propellers perform in all conditions, increasing reliability and lifespan.
- **GEAR DISTRIBUTION WITH FORCED LUBRICATION**, the maximum that you can ask for from a diesel.
- **HYDRAULIC TAPPETS** to minimise noise and eliminate maintenance.
- **LOW-INERTIA TURBOCHARGERS** for an immediate response when power is required.
- **BALANCING SHAFTS** to eliminate vibrations.

# PREVENTION IS BETTER THAN TREATMENT!



## OS-FRAME

Engine performance would be nothing if it weren't supported by the excellence of the transmissions. The **VEGA SDT** are provided with **OS-Frame** transmissions awarding lots of advantages:

- The double-mass flywheel with long-travel torsional damper is highly capable to eliminate the engine cyclic irregularities and also to give more torque to the engine itself.
- A unique transmission shaft through the central assy moves both the gearbox main clutch and the PTO independent clutch, while assuring the best mechanical output and the highest tractor maneuverability.
- It is a "monolithic" structure in a single cast iron casting. The joint in the middle of the machine lets the front axle oscillate up to 15° with respect to the rear axle (maximum slewing angle), stabilizing the machines on steep terrain. This assures the highest stability and constant traction, as the four wheels are always stuck on the ground.

## HEAT DISPOSAL

Considering the primary uses for SDT series tractors, a special cooling system was designed to allow the engine and the entire hydraulic system to always operate with the maximum safety margin.

The engine is protected by a large radiator assisted by the patented **SCS (Self Cleaning System®)**.

A heat exchanger stabilises the hydraulic system temperature while a series of watertight grills on the engine hood also allows the propeller to breathe better and protects the radiator cores from clogs due to dust and debris raised by work equipment.



## ALWAYS CLEAN AIR

The special cooling system is assisted by the patented **SCS (Self Cleaning System®)**, characterised by two fans with combined intermittent operation: an electromagnetically controlled intake and an electric blower.

The system prevents dangerous overheating of the engine and hydraulic system, keeping the radiators and ventilation grills always clean, thus preventing continuous stops in order to clean them.

Besides the **SCS (Self Cleaning System®)** function, the cooling system allows, at the operator's discretion, to adjust the radiator fans in order to activate or deactivate them according to the climatic and operational needs.

The system is controlled by a three function button, which activates in order:

- **SCS** the double fan system
- **ECO** the single intake fan with intermittent function that activates/deactivates upon reaching a certain temperature
- **CMF** the single intake fan which functions constantly

The operator can thus select the most suitable function based on the various uses and needs.



# ABSOLUTELY UNIQUE TRANSMISSIONS

## 4WD FOR MAXIMUM TRACTION IN TOTAL SAFETY

The **4-wheel drive** has got an electro-hydraulically controlled disengagement of the front one, which allows you to move efficiently on steep slopes as well as on uneven grounds, while improving the transfer of loads on the road.

The electro-hydraulically controlled front and rear differential lock, simultaneously or rear only, assures the best traction on any type of grounds.

## GEARBOXES WITH THE BEST SPEED RANGE

The new 32-speed **Sincro** gearboxes of the VEGA SDT with synchronised reverser and helical gears offer the best performance in driveability and comfort. The logical speed sequence, without overlapping for all ranges, allows you to always select the right gear ratio for the requested use, allowing an efficient use of the machines: fuel savings, less stress on the mechanical components, less engine fatigue and, above all, better quality of work.



Graph of the speeds in km/h with 340/65R18 \* 420/65R24 tyres for tractors VEGA SDT.

**VEGA SDT**  
32 speeds

# SUPERIOR QUALITY CLUTCH

## TRANSMISSION CLUTCH

The **LONG-LIFE clutches** designed for the SDT series are multiple-discs in oil bath and do not need adjusting and maintenance. Modular and progressive, they are inserted in the transmissions in order to reduce motor overhang and consequently the length of the unit. This technologically advanced solution, especially adopted on conventional, high-powered machinery, was preferred to the more economical and less reliable "dry mono-disc" one used by most of the VEGA SDT series direct competitors.

## PLUS

The clutch also has a **proportional hydraulic control** that perfectly modulates coupling and uncoupling, much more powerful than the traditional hydraulic controls that operate dry mechanical clutches.

Operational comfort is also ensured by the **PRO-ACT System**, a system that allows the drive to operate the clutch in a convenient and efficient manner using a parallelogram-shaped progressive action pedal with adjustable backlash.



## SUPERIOR QUALITY AXLES

The decision to employ axles with epicyclic reduction gears on the front side and cascade reduction gears on the rear side of our machines determined by the need to keep the wheel-base of the SDT units to a minimum while increasing manoeuvrability, besides increasing the prestige and reliability of the machine.

# ENHANCE PERFORMANCE

## PTO WITH MAXIMUM POWER TO BE TRANSMITTED

The rear PTO is **electro-hydraulically controlled**, independent from the gearbox and synchronised with all forward speeds. It can be engaged under load, it has the brake in the released position and a safety mechanism that prevents accidental engagement. The independent PTO is serial at **540/750 r.p.m.** Optional **540/1000 r.p.m.**

## BRAKES THAT ALWAYS RISE TO THE OCCASION

The efficiency of the braking system, with **the 4 latest generation multiple disc wet brakes**, ensure completely safe braking in the SDT series tractors. The brakes are assisted by an hydrostatic control acting as braking distributor which intervenes constantly and simultaneously on the 4 wheels when acting on the pedal. Such a pedal has been split in two to intervene on the rear brakes of the tractors simultaneously or independently.

Exclusive to this category of machines is the **independent BRAKE-OFF parking brake (optional)** that is automatically inserted when the engine is off. When the unit is operating, on the other hand, it is controlled with a practical button, electro-hydraulically controlled on the dashboard and equipped with a safety catch.

**BRAKE-OFF**



# HYDRAULIC SYSTEM: NEVER SO EFFICIENT

The hydraulic system of the VEGA SDT version is a **double circuit with independent pumps and dedicated heat exchanger**. The hydroguide pump has a flow rate of 28,5 lt/min, like the one for the lift and distributors. As optional, an oversized pump of 49 lt/min can be also supplied. Hydraulic operating pressure is 180 bar.

For the VEGA, in the version without joystick, there are up to a maximum of 8 rear hydraulic control valves, which allow you to use equipment that requires a large hydraulic flow rate.



## EVERYTHING IN ONE HANDFUL

For our most demanding customers we designed an **electronically controlled joystick** specifically for the VEGA SDT version which allows you to keep the entire hydraulic system under control with a single device.

The joystick is ergonomically positioned on the right side of the operator and can be easily used also on the tractors with Compact cabins.

The joystick controls not only the hydraulic system, powering 5 rear hydraulic control valves and 9 front hydraulic control valves with E-Plug System for an easier connection, but also the lifts, making every manoeuvre involving the machine's hydraulics practical and secure. To get the best performance, the joystick is always supplied with the oversized pump 49 lt/min.



# RESERVED FOR THE DRIVER

The pleasure in driving a FERRARI tractor doesn't come only from the performance of the machine but also from the area reserved for the driver.

- The SDT series driving area was designed to guarantee comfort, ergonomics, functionality and safety in an absolutely original manner.
- An instrument console with anti-reflective screen gathers all the function in a logical manner in a central display and ensures control over the machinery status.
- Instrumentation is available in both the analog and digital version: the latter provides for simultaneous reading of the engine rpms, drive speed and PTO rotation speed.
- The steering wheel, which is also available in an adjustable version according to the operator's physical structure, is assisted by an interactive hydroguide. Its hydraulic system is independent in order to guarantee the best efficiency and safety.

## LIFTING EQUIPMENT

### THE FORCE OF THE LEVERS

The VEGA SDT are often used with performance equipment set on the lift. The **robust rear lifts** that are supplied with the machine rely on practical and versatile multipurpose attachments, designed to easily and quickly adapt to all equipment on the market. On demand, they can be also supplied with position and draft control for all those attachments requiring it.

The lifting arms are available with: standard couplers, standard quick couplers and L-shaped quick couplers. It is also foreseen a hydraulically controlled upper link and tie rod for right link arm, which allows adjusting the attachments from the driver's position simply acting on the control valves lever.

In addition to the rear lift, it is also available a performing front lift with 4 hydraulic control valves, which is necessary when using combined attachments.

## DRIVER'S SEAT

When the **cabs** for the VEGA SDT were designed, we decided to set our expectations higher than anyone else had ever done.

The cabs, in fact, available in the **Standard and Compact** versions, were carefully designed in every detail to guarantee interior comfort.

Equipped with fabulous, spacious and ergonomic interiors, they have large windows that optimise the driver's view.

The structure is mounted on silent-blocks completely independent from the tractor chassis, to cushion noise and vibrations. Also, the special frame of the Compact cabs allows limiting the height and improving the use of the machine under the foliage in the pergola vineyards or under covered scaffolding and nurseries.

For all versions extra special care has been put in a unique control console: ventilation, heating and air conditioning are ensured by special vents on the front of the instrument panel.

Air conditioning and heating is ensured by a reliable and efficient system.





# OTHER GOOD REASONS FOR CHOOSING THE SDT SERIES



The VEGA SDT series tractors are specialised like few others. Built for those who want only the best. Its **large range of options and original accessories** makes it even more unique.

- THIRD POINT RANGE
- WEIGHT RANGE
- PREFILTER RANGE
- SEAT RANGE

## COMPATIBLE WITH EVERY NEED

The width and height, the degree of ground compaction, the more or less aggressive "GRIP" are only some of the aspects that give the **wheels on specialised** tractors a fundamentally important role. We have tested and reserved for the SDT series tractors, the best alternatives available on the market so that our clients can always find the right solution for their every need.

## TOWING IN SAFETY

The **high towing capacity** of the SDT tractors is guaranteed by towing hitches approved according to the current rules in various countries. The towing hitches can also be supported by the frames that quickly adjust their height in order to optimise the use of the various towed equipment.

## THIRD POINT RANGE



Standard couplers

Standard quick couplers

L-shaped quick couplers

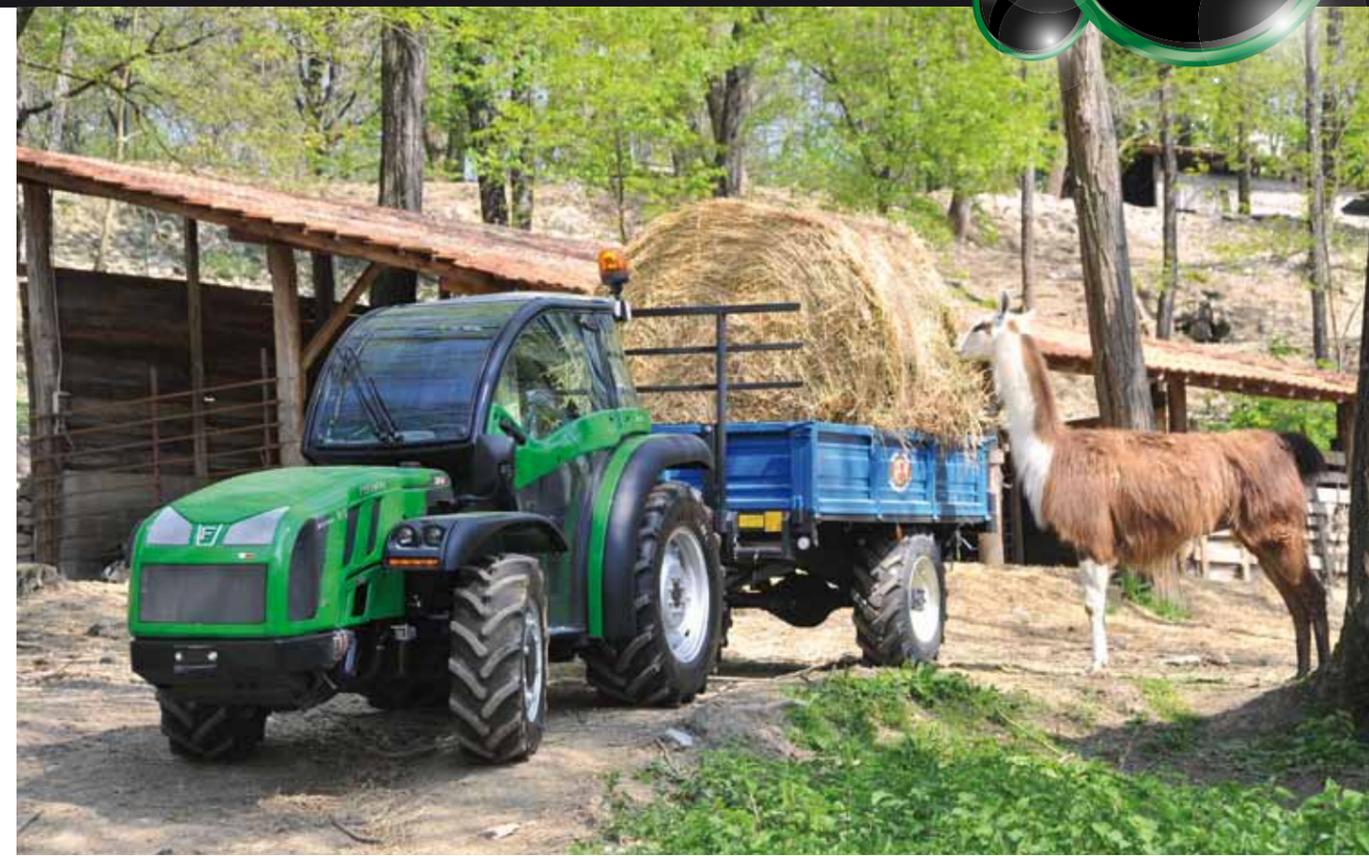
## DUALSTEER® system

A brand new "inspired guess" which no other machine on the market has got.

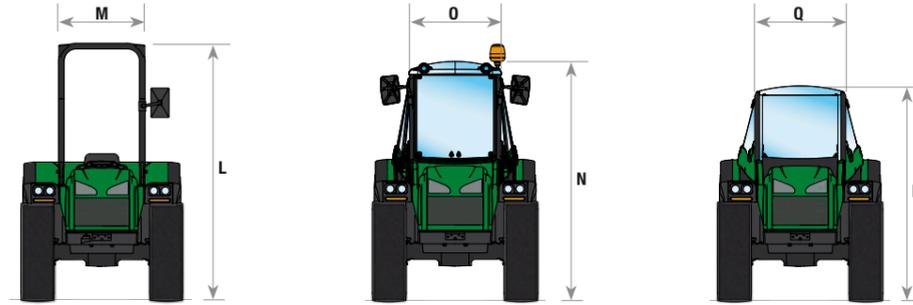
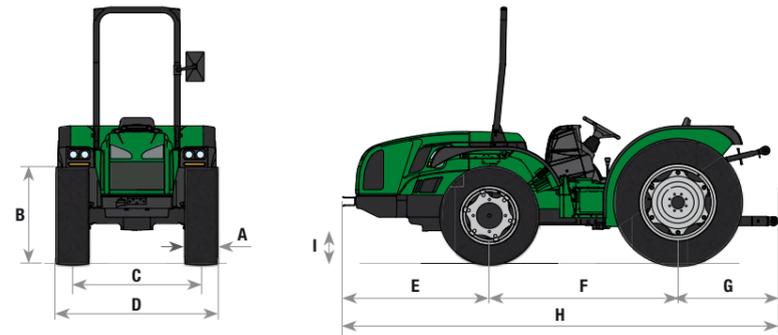
The **DUALSTEER®** system is a double steering system combining safety and stability of the steering wheel version with the performance in curves and manoeuvrability of the version with central articulation. This solution generates therefore a glamorous steering system with **unique features** that boost the performance of the machines and make them easy to use on any type of ground, thanks to their manoeuvrability and safety.

All the manufacturers of specialised tractors, who are actually on the market, tend to bring out the manoeuvrability talent of their units and consider them as a priority to other apparently more important features.

From this point our view the VEGA SDT in the **DUALSTEER®** version have no comparison, limiting the steering radius to 2,2 meters only. As a consequence of this they are essential to move in row cultivations as well as in vegetable cultivations and in nurseries.



**TECHNICAL FEATURES**  
**VEGA SDT RS**



	TYRES	A Tyre width mm.	B Tyre height mm.	C Wheel track min/max mm.	D Width min/max mm.
Front	260/70R16	258	770	1100/1420	1358/1678
Rear	300/70R20	286	942	1054/1394	1340/1680
Front	260/70R16	258	770	1100/1420	1358/1678
Rear	340/65R20	343	958	1054/1374	1397/1717
Front	280/70R18	265	849	1201/1551	1466/1816
Rear	320/70R24	316	1099	1132/1518	1448/1834
Front	340/65R18	343	899	1254/1468	1597/1811
Rear	420/65R24	415	1156	1190/1450	1595/1865
Front	300/65R18	295	849	1170/1466	1465/1761
Rear	380/70R20	370	1088	1170/1374	1540/1754
Front	280/70R18	265	849	1085/1551	1350/1816
Rear	360/70R20	357	1042	1170/1374	1527/1731

**VEGA SDT RS DIMENSIONS (mm):**

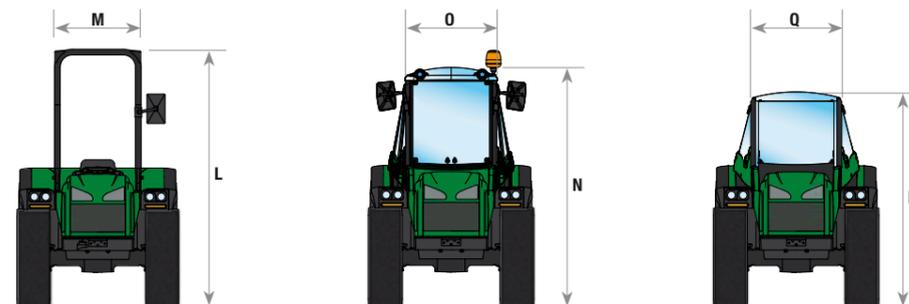
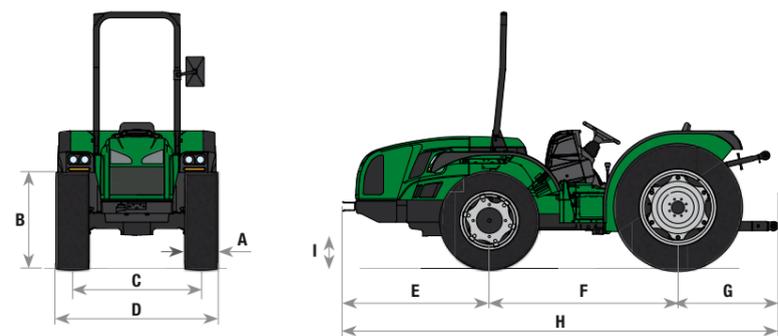
	E	F	G	H	I Min-Max	L Min-Max	M	N Min-Max	O	P Min-Max	Q
<b>VEGA V85 SDT RS</b>	1260	1607	850	3717	150/231	2143/2225	740	1947/2028	770	1690/1824	760
<b>VEGA V95 SDT RS</b>											

**STEERING RADIUS VEGA SDT RS WITH THE FORESEEN WHEEL:**

TYPE OF TYRE	260/70R16 300/70R20	260/70R16 340/65R20	280/70R18 320/70R24	340/65R18 420/65R24	300/65R18 380/70R20	280/70R18 360/70R20
mm	3550	3550	3900	4460	3600	3900

TECHNICAL FEATURES	VEGA V85 SDT RS	VEGA V95 SDT RS
<b>CHASSIS</b>	Swinging integral chassis OS-FRAME with steering wheels	
<b>DRIVE</b>	Four-wheel drive. Front-wheel drive disengagement with electro-hydraulic control	
<b>ENGINE</b>	VM	
Manufacturer	VM	
Model	D754 TE3	D754 IE3
Number of cylinders	4	4
Displacement cm <sup>3</sup>	2970	2970
Suction	Turbo	Turbo Intercooler
Emission level	Tier 3	
Power KW/HP	58 / 79	67 / 91
Nominal speed (rpm)	2300	2300
Maximum tractor torque (Nm/rpm)	274 / 1800	400 / 1000
Cooling	Water	
Tank capacity (lt.)	70 lt (version with roll-bar) - 54 lt (version with cab)	
<b>TRANSMISSION</b>	Synchronized gearbox: 32 speeds (16 FWD and 16 REV) with synchronized reverser	
Main clutch	With multiple discs in oil bath with hydraulic control PRO ACT SYSTEM	
<b>DIFFERENTIAL</b>	Front and rear. Differential lock: front and rear simultaneously or only rear with electro-hydraulic control	
<b>AXLES</b>	Front with epicycloidal reduction gear and rear with reduction gear in cascade	
<b>POWER TAKE-OFF</b>	Rear, independent from gear and synchronized with forward speed. Engageable under load with brake in disengaged position	
PTO clutch	With multiple discs in oil bath	
Engagement control	Electro-hydraulic	
Independent PTO rotation speed (rpm)	Standard: 540/750 - Optional: 540/1000	
<b>HYDRAULIC SYSTEM</b>	Double circuit with independent pumps and heat exchanger	
Flow rate to hydraulic pump which controls the hydroguide and electro-hydraulic control (l/min.)	28,5	
Flow rate to the lift and the distributors (l/min.)	28,5 (optional 49, standard with joystick)	
Maximum hydraulic pressure (bar)	180	
<b>DISTRIBUTORS</b>	Mechanical control to max 8 hydraulic couplers	
Rear (standard)	2 double acting	
Rear (optional)	1 single acting and 1 double acting or 1 double acting and 1 double acting with float	
Joystick (optional)	With electronic control of the distributors consisting of: 1 single acting with adjustable flow rate, 4 double acting with E-Plug system easy engagement and 1 free return positioned in front of the tractor. 1 single acting with free return, 2 double acting positioned in the rear part of the tractor.	
<b>ELECTRIC SYSTEM</b>		
Battery (Ah)	100	
Alternator (A)	55	
<b>REAR LIFT</b>	Standard: by two external rams - Optional: draft and position control	
Three-point hitches	Standard: standard couplers cat. 1 and 2 and adjustable tie rods. Optional: quick couplings cat. 1 and 2 and lift rods adjustable in length or quick couplings cat. 1 and 2, L-shaped lift arms, lift rods adjustable in length and hooks adjustable in width	
Three-point tie bar	Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm	
Lifting capacity at the end of the arms kg	2700	
<b>FRONT LIFT (optional)</b>	By two external rams with front guard and 2 double acting control valves	
Three-point hitches	Rigid with quick couplings cat. 1	
Lifting capacity kg	800	
<b>DRIVING UNIT</b>	With suspended platform on "Silent-block"	
Driving platform	Suspended brake and clutch pedals mounted on control column	
<b>SEATS with safety belts</b>	Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: pneumatic seat	
<b>SERVICE BRAKES</b>	Oil immersed, multidisc brakes, acting on the wheels with hydrostatic control	
Parking brake	Standard: independent, multidiscs, in oil bath - Optional: automatic and independent with BRAKE-OFF	
<b>STEERING</b>	With hydrostatic steering by two rams, acting on the front wheels	
<b>SAFETY</b>		
Roll-bar frame (standard)	Front, homologated	
Cabin (optional)	Sound-proof, mounted on "Silent block", safety cell integrated in the structure and "car type" dashbord. Approved safety frame not needed. Serial air conditioning. Versions: Standard or Compact	
<b>CONSOLE</b>		
Digital type (optional)	With reading of rpm, forward speed and rotation speed of power takeoff	
<b>TYRES</b>		
Standard	260/70R16*300/70R20	
Optional	260/70R16*340/65R20 - 280/70R18*380/70R20 - 280/70R18*320/70R24 - 340/65R18*420/65R24 - 280/70R18*360/70R20	
<b>TOW HOOKS</b>		
Standard	Rear cat. C and front tow hook	
Optional	Rear rotating or rear adjustable in height (Slider type) tow hooks, both EC approved or CUNA rear adjustable in height (Slider type)	
<b>WEIGHT OPERATIONAL</b>		
With chassis (kg)	2400	2400
With Standard cabin (kg)	2500	2500
With Compact cabin (kg)	2560	2560
<b>OPTIONAL</b>	Self Cleaning System, oil filter protection, muffler protection, flash light, cyclone prefilter with external air intake, steering wheel adjustable in height, front weight and weights for wheels, ballasted wheel flanges	

Dati Tecnici **VEGA SDT DS**



	TYRES	A Tyre width mm.	B Tyre height mm.	C Wheel track min/max mm.	D Width min/max mm.
Front	260/70R16	258	770	1100/1420	1358/1678
Rear	300/70R20	286	942	1054/1394	1340/1680
Front	260/70R16	258	770	1100/1420	1358/1678
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Rear	420/65R24	415	1156	1190/1450	1595/1865
Front	300/65R18	295	849	1170/1466	1465/1761
Rear	380/70R20	370	1088	1170/1374	1540/1754
Front	280/70R18	265	849	1085/1551	1350/1816
Rear	360/70R20	357	1042	1170/1374	1527/1731

**VEGA SDT DS DIMENSIONS (mm):**

	E	F	G	H	I Min-Max	L Min-Max	M	N Min-Max	O	P Min-Max	Q
<b>VEGA V85 SDT DS</b>	1260	1607	850	3717	150/231	2143/2225	740	1947/2028	770	1690/1824	760
<b>VEGA V95 SDT DS</b>											

**STEERING RADIUS VEGA SDT DS WITH THE FORESEEN WHEEL:**

TYPE OF TYRE	260/70R16 300/70R20	260/70R16 340/65R20	280/70R18 320/70R24	340/65R18 420/65R24	300/65R18 380/70R20	280/70R18 360/70R20
mm	2580	2580	2650	2980	2650	2650

TECHNICAL FEATURES	VEGA V85 SDT DS	VEGA V95 SDT DS
<b>CHASSIS</b>	Swinging integral chassis OS-FRAME with central articulation and steering wheels	
<b>DRIVE</b>	Four-wheel drive. Front-wheel drive disengagement with electro-hydraulic control	
<b>ENGINE</b>	VM	
Manufacturer	VM	
Model	D754 TE3	D754 IE3
Number of cylinders	4	4
Displacement cm <sup>3</sup>	2970	2970
Suction	Turbo	Turbo Intercooler
Emission level	Tier 3	
Power KW/HP	58 / 79	67 / 91
Nominal speed (rpm)	2300	2300
Maximum tractor torque (Nm/rpm)	274 / 1800	400 / 1000
Cooling	Water	
Tank capacity (lt.)	70 lt (version with roll-bar) - 54 lt (version with cab)	
<b>TRANSMISSION</b>	Synchronized gearbox: 32 speeds (16 FWD and 16 REV) with synchronized reverser	
Main clutch	With multiple discs in oil bath with hydraulic control PRO ACT SYSTEM	
<b>DIFFERENTIAL</b>	Front and rear. Differential lock: front and rear simultaneously or only rear with electro-hydraulic control	
<b>AXLES</b>	Front with epicycloidal reduction gear and rear with reduction gear in cascade	
<b>POWER TAKE-OFF</b>	Rear, independent from gear and synchronized with forward speed. Engageable under load with brake in disengaged position	
PTO clutch	With multiple discs in oil bath	
Engagement control	Electro-hydraulic	
Independent PTO rotation speed (rpm)	Standard: 540/750 - Optional: 540/1000	
<b>HYDRAULIC SYSTEM</b>	Double circuit with independent pumps and heat exchanger	
Flow rate to hydraulic pump which controls the hydroguide and electro-hydraulic control (l/min.)	28,5	
Flow rate to the lift and the distributors (l/min.)	28,5 optional 49, standard with joystick	
Maximum hydraulic pressure (bar)	180	
<b>DISTRIBUTORS</b>	Mechanical control to max 8 hydraulic couplers	
Rear (standard)	2 double acting	
Rear (optional)	1 single acting and 1 double acting or 1 double acting and 1 double acting with float	
Joystick (optional)	With electronic control of the distributors consisting of: 1 single acting with adjustable flow rate, 4 double acting with E-Plug system easy engagement and 1 free return positioned in front of the tractor. 1 single acting with free return, 2 double acting positioned in the rear part of the tractor.	
<b>ELECTRIC SYSTEM</b>		
Battery (Ah)	100	
Alternator (A)	55	
<b>REAR LIFT</b>	Standard: by two external rams - Optional: draft and position control	
Three-point hitches	Standard: standard couplers cat. 1 and 2 and adjustable tie rods. Optional: quick couplings cat. 1 and 2 and lift rods adjustable in length or quick couplings cat. 1 and 2, L-shaped lift arms, lift rods adjustable in length and hooks adjustable in width	
Three-point tie bar	Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm	
Lifting capacity at the end of the arms kg	2700	
<b>FRONT LIFT (optional)</b>	By two external rams with front guard and 2 double acting control valves	
Three-point hitches	Rigid with quick couplings cat. 1	
Lifting capacity kg	800	
<b>DRIVING UNIT</b>	With suspended platform on "Silent-block"	
Driving platform	Suspended brake and clutch pedals mounted on control column	
<b>SEATS with safety belts</b>	Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: pneumatic seat	
<b>SERVICE BRAKES</b>	Oil immersed, multidisc brakes, acting on the wheels with hydrostatic control	
Parking brake	Standard: independent, multidiscs, in oil bath - Optional: automatic and independent with BRAKE-OFF	
<b>STEERING</b>	With hydrostatic steering by two rams, acting on the front steering wheels and on the central articulation	
<b>SAFETY</b>		
Roll-bar frame (standard)	Front, homologated	
Cabin (optional)	Sound-proof, mounted on "Silent block", safety cell integrated in the structure and "car type" dashboard. Approved safety frame not needed. Serial air conditioning. Versions: Standard or Compact	
<b>CONSOLE</b>		
Digital type (optional)	With reading of rpm, forward speed and rotation speed of power takeoff	
<b>TYRES</b>		
Standard	260/70R16*300/70R20	
Optional	260/70R16*340/65R20 - 280/70R18*380/70R20 - 280/70R18*320/70R24 - 340/65R18*420/65R24 - 280/70R18*360/70R20	
<b>TOW HOOKS</b>		
Standard	Rear cat. C and front tow hook	
Optional	Rear rotating or rear adjustable in height (Slider type) tow hooks, both EC approved or CUNA rear adjustable in height (Slider type)	
<b>WEIGHT OPERATIONAL</b>		
With chassis (kg)	2400	2400
With Standard cabin (kg)	2500	2500
With Compact cabin (kg)	2580	2580
<b>OPTIONAL</b>	Self Cleaning System, oil filter protection, muffler protection, flash light, cyclone prefilter with external air intake, steering wheel adjustable in height, front weight and weights for wheels, ballasted wheel flanges	

### Ferrari guarantees:



PROJECT

The design criteria have the support of very modern programs that work in 3D.



CHECK

All the components of our machines are tested before going into production. This guarantees the quality and reliability of our products.



COMFORT

Designing for comfort is one of the essential components of our technical staff's Mission.



SPARE PARTS

Tested and guaranteed original spare parts. E-parts is the on-line support for fast and easy service.



ASSISTANCE

Efficient and valid assistance service with the support of friendly and competent technical staff: E-service is the on-line tool supporting the service.



SALES FORCE

An extensive and efficient sales force guaranteeing service and assistance.



LUBRICANTS

We recommend to use the original PowerLube lubricants.

Come and join us at your local FERRARI, dealer or visit us at [www.ferrariagri.it](http://www.ferrariagri.it) to discover the innovations that waiting for you.



The data in this leaflet are supplied indicatively: the models described may be modified, without notice, by the Manufacturer.

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