

FERRARI



excellent performances
in record time

series
VEGA **DUALSTEER**

TECHNOLOGICALLY ADVANCED

to optimize everyday life

DUALSTEER



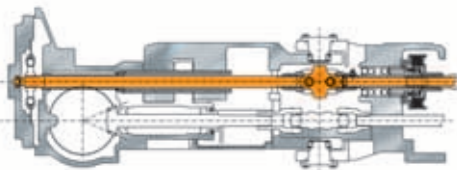
The **DUALSTEER** tractors have in common the basic "fundamentals" of the 'AR' and 'RS' versions of the VEGA tractors. This choice results in an avant-garde solution with a **'brand new steering system'**, the features of which tangibly improve the performances of these vehicles, making them practical to use even in precarious conditions where being able **to move easily in narrow spaces** is the only way to be able to work.

All the traditional Isodiametrical versions of the tractors of the FERRARI Group currently on the market are characterised by 'turning' radiuses that are difficult to find in other competing vehicles. Reduced wheel bases and the use of hydraulic clutches which allow containing the overhanging part of the engine, in addition to other interesting solutions aimed at reducing dimensions without altering the performance, remain intrinsic "virtues" in these tractors.

The **DUALSTEER** tractors 'go further': the **double steering system** highlights the qualities of safety and stability in the version with steering wheels with the performances in curves and the manoeuvrability of the version with a central articulation. This solution produces **tractors which have a turning radius of only 2200 mm** with a steering angle of 70°, obtained with a vehicle which has a gauge which is far greater than those of tractors with a central articulation, further reinforcing the outstanding performances.

Thanks to the features of the **DUALSTEER** tractors, they can be successfully used in vineyards, orchards and greenhouses but without overlooking garden and park maintenance or work in public areas, where being able to move in narrow spaces is of fundamental importance to operate in the best way possible.

OS-FRAME system



The **new gears** are integrated with an integral oscillating **OS-Frame** (one-shaft frame) which guarantees maximum performance and maximum stability for the vehicle, especially on uneven ground. The typology of our transmission allows adopting a single transmission shaft and a single homokinetic coupling, owing to the independent PTO, instead of the two of competition.



1 High oil flow rate to numerous distributors with oversize hydraulic pumps which guarantee high pressures: ideal for using combined equipment and therefore cutting costs and processing times.

3 Comfortable cabs characterized by excellent ergonomics and visibility - as many people spend all day in them.

4 Optional electronic console: many avoid it but once you've tried it, you won't be able to live without it.

5 Maximum towing capacity: because one more trip costs time, money and work.

6 Integral oscillating OS-FRAME which guarantees maximum mechanical performance and maximum stability, especially on uneven ground.

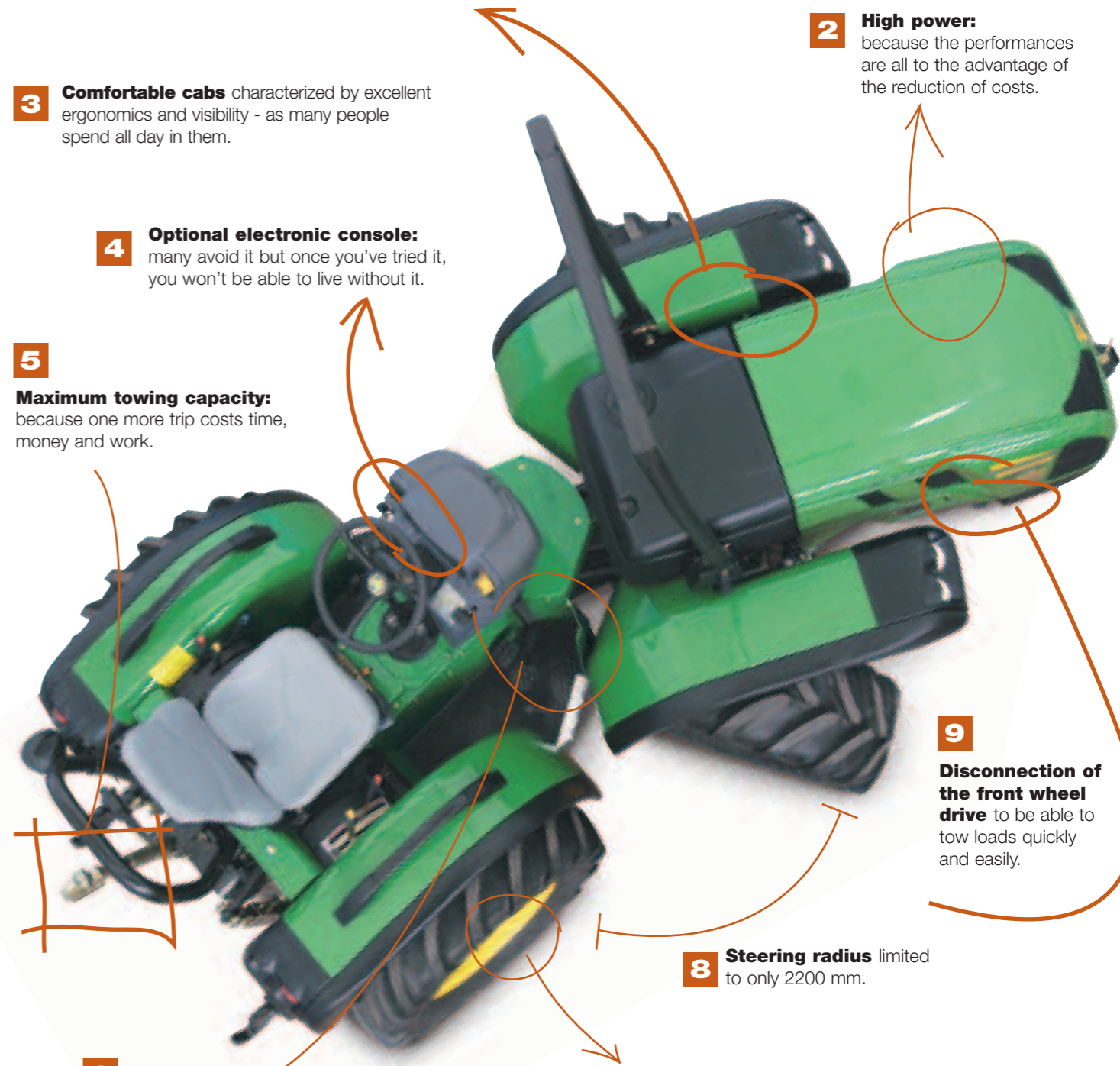
7 Service brakes on 4 wheels, with multiple discs in oil bath and hydrostatic control.

8 Steering radius limited to only 2200 mm.

2 High power: because the performances are all to the advantage of the reduction of costs.

9 Disconnection of the front wheel drive to be able to tow loads quickly and easily.

10 Certifications: VEGA tractors are certified as both agricultural machinery and **"industrial operators"**.



TOTAL RELIABILITY

outstanding performance

DUALSTEER



The driving seats on these new tractors are reversible on a rotating platform and the **suspended brake-clutch pedals** are installed on the revolving control column, equipped with precise inspection instruments. **The controls** are placed ergonomically and allow a rational control of the vehicle

The service brakes are independent, with multiple disks in an oil bath, hydraulically controlled and act on the four wheels.

Another exclusive feature is the **independent parking brake BRAKE-OFF (fig. A)** which engages automatically when the engine is switched off. When the tractor is running, you can engage and disengage it at the touch of a button with a safety catch on the dash.

The top speed of travel is 40 'effective' km/h.

Front lift: optional, it guarantees a maximum force of 800 kg and comes with four fluid power takeoffs.



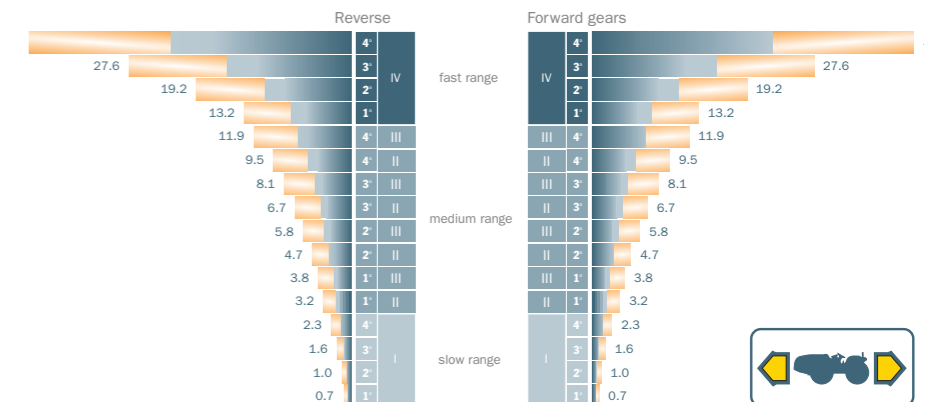
The **DUALSTEER** range also stands out, as well as for performing 'in curves', for its dimensions. **Its length and wheel base are amongst the smallest in the category.** Thanks to the use of the hydraulic clutch, the projecting part of the motor is reduced and therefore so is the length of the vehicle. To reduce the wheel base, epicyclic reduction gear has been used on the wheel hubs, which is more reliable and performing than the old reducers in cascade.

The cabs available for these tractors have been developed with great care. Excellent ergonomics and **comfort** optimize the driving environment. Large windows allow broad **visibility**. Care in the development of the details has allowed producing a roof structure unique of its kind, with an upper window. The height of the cabin is not altered by the air conditioner thanks to the use of double lateral condensers placed in the upper part of the roof. It also features ellipsoid headlights. The filters positioned at a comfortable height can be inspected and replaced without needing a spanner.



The synchronized gear has 32 speeds: 16 forward - 16 reverse with a **synchronized reverser, without overlapping speeds in the various ranges.** This allows you to adapt ratios to specific needs in any situation.

Graph showing speed in km/h with 20-inch wheels - Engine speed 2300 rpm



The graph shows the perfect progression of ratios without overlapping speeds in any forward gear range.

Optional



Optional



The hydraulic system consists of two circuits with independent pumps and a heat exchanger. The pump comes with power steering and has a flow rate of 31lt/min, while the service pump has a flow rate of 49 l/min. The system has a **hydraulic pressure** of 180 bars. All this allows you to use combined equipment and rationalize the use of the vehicle, reducing processing times. An electronically-controlled **Joy-Stick** is also supplied optionally, which supplies 6 distributors.

Gear clutch with PRO-ACT system



The gear clutch is with multiple disks in an oil bath with a hydraulic control and PRO-ACT system. (System with parallelogram pedal of the clutch and progressive action and recovery of clearance).



VEGA DUALSTEER

Tractor dimensions

	A	B	C	D	E	F	G
					min-max	min-max	min-max
mm.	1142	1495	563	3200	2102-2202	1121-1221	237-337

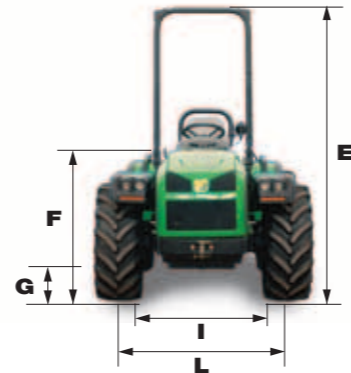
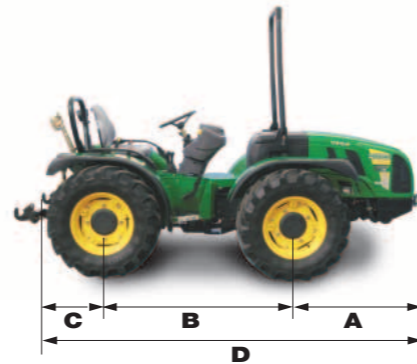
Tractor width with different wheel types

TYPE OF TYRE AND RIM	TYRE WIDTH MM	TYRE HEIGHT MM	I Min/max tread mm	L Min/max width mm
280/70-18 with adjustable rim	282	849	1064 - 1476	1346 - 1758
320/65-18 with adjustable rim	320	873	1170 - 1466	1490 - 1786
340/65-18 with adjustable rim	343	899	1170 - 1466	1513 - 1809
9.50-20 with adjustable rim	245	937	1046 - 1588	1291 - 1833
11/2-20 with adjustable rim	277	982	1134 - 1618	1411 - 1895
320/70-20 with adjustable rim	316	975	1134 - 1618	1450 - 1934
340/65-20 with adjustable rim	343	958	1134 - 1618	1477 - 1961
31X15.50-15 XTC o STG with fixed rim	390	790	1220 - 1414	1610 - 1804
38/14-20 STG o GARDEN with adjustable rim	356	990	1238 - 1618	1594 - 1974

"DUALSTEER" Turning radius

TYRE TYPE	280/70-18	320/65-18	340/65-18	9.50-20	11/02/2020	320/70-20	31x15.50-15	38/18-20
without the aid of independent brakes mm	2300	2450	2570	2580	3000	2850	2570	2870
with the aid of independent brakes mm	2200	2350	2470	2460	2850	2710	2460	2730

SPECIFICATIONS	VEGA 75 DUALSTEER	VEGA 85 DUALSTEER	VEGA 95 DUALSTEER
CHASSIS	Swinging integral chassis OS-FRAME with central articulation and steering wheels		
DRIVE	Four wheel drive * Disengagement of front-wheel drive with electro-hydraulic control		
ENGINE	4-stroke diesel with direct injection		
Manufacturer	VM * Daimler-Benz		
Type	D754 E2	D704 TE2	D754 TE2
No. of cylinders	4		
Capacity cc	2970	2776	2970
Induction	Natural	Turbo	
Emission level	In compliance with Directives 2000/25 and 97/68 EEC		
KW/CV power	47/64	61.5/84	67.5/92
Nominal speed (rpm)	2300		
Maximum tractor torque (Nm/rpm)	214 (at 1400 rpm)	290 (at 1400 rpm)	338 (at 1300 rpm)
Cooling	Liquid		
Specific fuel consumption (gr/KWh)	235	230	238
Tank capacity (lt.)	55		
TRANSMISSION			
No. forward gears	16		
No reverse gears	16		
Reverser	Synchronized		
Main clutch	With multiple discs in oil bath with hydraulic control and PRO-ACT SYSTEM		



SPECIFICATIONS	VEGA 75 DUALSTEER	VEGA 85 DUALSTEER	VEGA 95 DUALSTEER
DIFFERENTIAL LOCK	Front and rear. Differential lock: simultaneous front and rear, or only rear with separate electro-hydraulic controls		
AXLES	Front and rear with epicyclic reduction gear		
POWER TAKE-OFF	Engages under load with brake disengaged		
PTO clutch	With multiple discs in oil bath		
Engagement control	Electro-hydraulic		
Independent PTO rotation speed (rpm)	standard: 540/750 - optional: 540-1000		
HYDRAULIC SYSTEM	Two circuits with independent pumps and heat exchanger		
Hydraulic flow rate to pumps (l/min)	49 + 31		
Maximum hydraulic pressure (bar)	180		
DISTRIBUTORS	With mechanical control up to a maximum of 8 hydraulic couplers		
Rear (Standard)	1 single acting and 2 double acting with level position for free return and oil recovery		
Rear (Optional)	1 single acting - 1 double acting - 1 double acting with float		
Joystick (Optional)	With electronic control of distributors consisting of: 1 single acting with adjustable low, 3 double acting + free return		
ELECTRICAL SYSTEM			
Battery (Ah)	100		
Alternator (A)	55		
REAR LIFT	With position and draft control		
Three-point hitches	Standard: adjustable in width with couplings cat. 1 and 2 Optional: adjustable in width and length with quick couplings cat. 1 and 2		
Three-point drawbars	Standard: with manual adjustment Optional: three-point hitch and right drawbar with hydraulic control		
Lifting capacity at the end of the arms kg.	2300		
FRONT LIFT (Optional)	With two external rams with front protection and two double acting distributors		
Three point hitches	Standard: rigid with quick couplings Cat. 1		
Lifting capacity Kg.	800		
DRIVING UNIT	With platform suspended on 'Silent block'		
Driving platform	Reversible with rotating platform, suspended brake-clutch pedals mounted on the revolving control column		
Steering wheel	Height adjustable		
Gas spring SEATS with easy adjustment and safety belts	Standard: comfortable spring suspended seat, adjustable according to driver's weight. Optional: 'Bostrom' seat/pneumatic seat		
SERVICE BRAKES	With multiple discs in oil bath with hydrostatic control, acting on the four wheels		
Parking brake	Automatic and independent with BRAKE-OFF SYSTEM		
Trailer brake (Optional)	Hydraulic		
TOWING CAPACITY kg.	4300 with Roll-bar - 4600 with cab		
STEERING (DUALSTEER)	Double steering with hydrostatic drive, acting on front wheels and central joint. Flow deviator for hydroguide		
SAFETY			
Roll-bar (Standard)	Front folding, securely fixed to the transmission		
Cab (Optional)	Monoblock, soundproofed, mounted on 'Silent block', safety cell integrated in the structure		
CONSOLE			
Analog	Complete with: speed gauge, hour and revolution counter, speedometer, water thermometer, control lights and sound warning		
Digital (Optional)	"With simultaneous reading of rpm, forward speed and rotation speed of power take-off"		
TYRES			
Standard:	9.50-20		
Optional:	280/70-18 * 320/65-18 * 340/65-18 * 11.2-20 * 320/70-20 * 340/65-20 * 38-14/20 with STG tread and soft-Track* 31X15.50-15 with XTC and STG tread *		
TOW HOOKS			
Standard	Rear tow hook Cat. C and front		
Optional	Rockinger or Scharmueller type rear tow hooks		
WEIGHT - OPERATIONAL			
With chassis (Kg)	2150		
With cab (Kg)	2310		
OPTIONAL	Cab pressurization kit, flash light set, cyclone prefilter with external air intake, accumulator for weight compensation, front weights and wheel weights.		



FROM YOUR LOCAL DEALER

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