



**AGRICUBE**

**Tractors  
for specialists**



**Vigneto Largo Basso  
Frutteto Basso**



# The Agricube range is renewed

**A wider offering  
for increasingly  
specialised farming**

With the introduction of the new Stage IIIB engine as part of the regulations designed to limit emissions, Carraro has renewed the Agricube range, not only by introducing new FPT engines with the exhaust gas post-treatment system located outside the engine bonnet (DOC + DPF), but also by expanding the product range, with various additional models and options that make these tractors even more responsive to the needs of every single customer.



# New range, greater choice!

**Vigneto**



**Vigneto  
Largo**



**Vigneto  
Largo Basso**



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## Compact, more powerful engine

- › With the new 3,400 CC FPT engine with electronic injection management, the most compact engine in its category, maximum power is increased, with five horsepower curves ranging from 75 to 105 HP.
- › The correct stage IIIB emission level is guaranteed by an exhaust gas treatment system that features both a diesel oxidation catalyst filter (DOC) and a diesel particulate filter (DPF). The presence of the latter, in particular, enables excellent responsiveness, especially when compared to engines that only use the DOC filter.

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## The hydraulic system, our trump card

- › Carraro Tractors enhances the range of hydraulic systems on offer with the introduction of four electro-hydraulic distributors, along with Deport technology. With Detent, all of the mechanical-version distributors can be isolated and are switchable with a single/double effect.
- › These systems are powered by two hydraulic pumps up with a flow rate of up to 97 l/min, or by three hydraulic pumps that raise the flow rate to 127 l/min (available as an optional feature).

**Frutteto**



**Frutteto  
Largo**



**Frutteto  
Basso**



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### **An ever more versatile range**

- › The extensive selection of axles and transmissions offered by the Carraro parent company, combined with a detailed standardisation study enable the brand to meet each and every customer requirement, both in terms of working width between rows and with regard to the height of the vehicle for operations under pergolas or foliage.
- › To further increase the versatility of these solutions, a number of new options are available, from electro-hydraulic distributors to automatic four-wheel drive clutch engagement. The latter, coupled with the steering angle sensor, enables even the tightest end-of-row turns to be performed with ease.

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### **Style and colours**

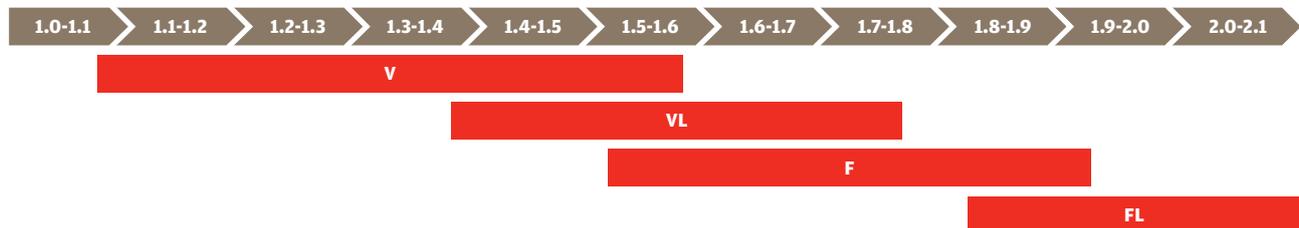
- › The aesthetic lines of the vehicle have been overhauled without changing the height of the hood in order to avoid compromising the functionality of the machine, with particular attention dedicated to access to the engine compartment, which has been significantly improved courtesy of the introduction of easily removable side panels.
- › The style makeover is completed with a different shade of the traditional Carraro grey which enhances the new lines of the chassis and makes the tractor truly unique.

# Our models

## Cab versions



### Minimum and maximum width of cab tractors



● Available ● Not available

MODEL	ENGINE OUTPUT [kw/HP]					VERSION		TRANSMISSION		
	55/74.8	61.1/83	67.1/91	72/98	77/105	OOS	CAB	24+24 Mech. Reverse Mech HI-LO 40Km/h 4WD	24+24 Mech. Reverse EH HI-LO 40Km/h 4WD	24+12 Power Reverse EH HI-LO 40Km/h 4WD
Vigneto	75 V	85 V	95 V	105 V	●	●	●	●	●	●
Vigneto Largo	75 V	85 V	95 V	105 V	115 V	●	●	●	●	●
Vigneto Largo Basso	75 VLB	85 VLB	95 VLB	105 VLB	115 VLB	●	●	●	●	●
Frutteto	75 F	85 F	95 F	105 F	115 F	●	●	●	●	●
Frutteto Basso	75 FB	85 FB	95 FB	105 FB	115 FB	●	●	●	●	●
Frutteto Largo	●	●	95 FL	105 FL	115 FL	●	●	●	●	●



# The Frutteto Basso or the Vigneto Largo Basso, which tractor to choose?

Carraro offers two lowered models to meet the needs of all growers specialising in canopy, pergola or pot-cultivated crops.

The VLB and FB versions differ in the range of front and rear axles on offer, as well as the width between the fenders, which enable a minimum vehicle width of 1.35m and upwards for the VLB and 1.55m and upwards for the FB version.

The VLB model is accompanied by the "Pergola"

cab model, a new solution designed to enhance operator comfort.

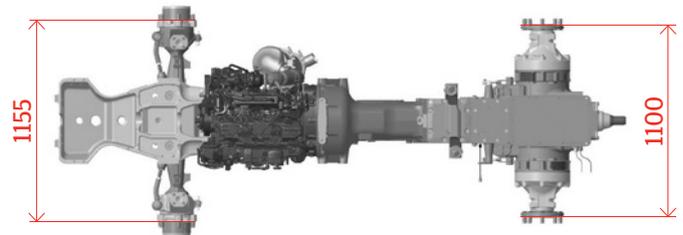
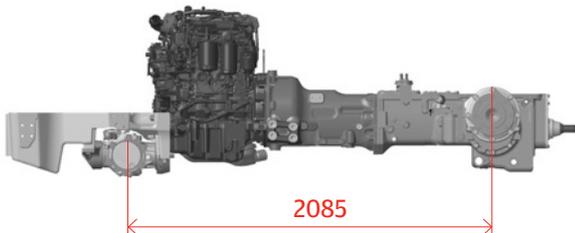
Both models can be fitted with 20" and 24" tyres, to meet the various requirements in terms of vehicle height and traction.

The 20 "and 24" solutions have been developed in consideration of the platform, to ensure that the fenders are as close as possible in size to the wheels.

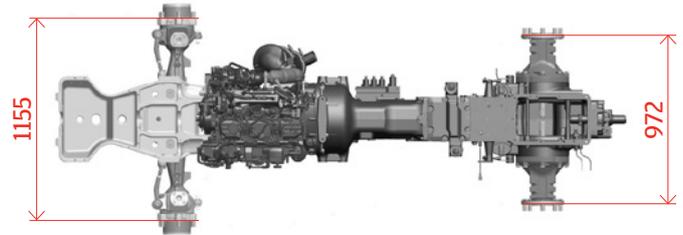
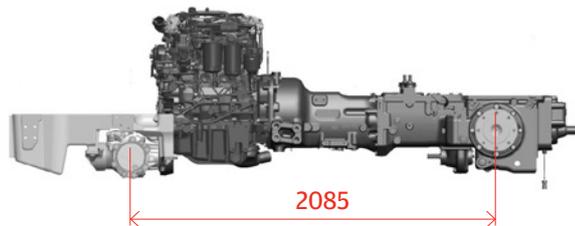


# Front and rear axle configurations

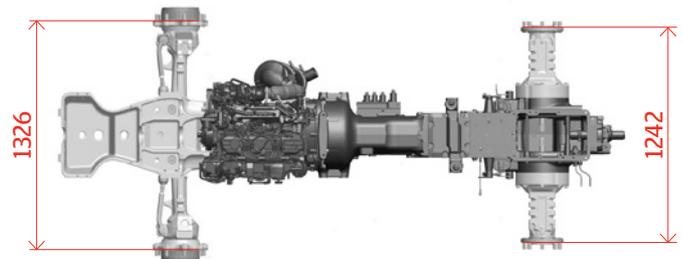
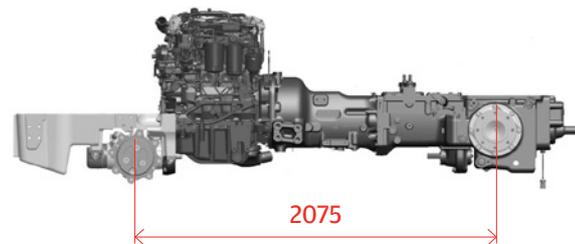
## VLB CAB



## VLB



## FB



› Both versions are equipped with Carraro front axles. The VLB model with 20.09 axle and 55° steering angle and the FB model, with 20.16 axle and 52° steering angle.

› Both axles feature an automatic slip control (limit slip) system.

# Outfitting and options



## **New work consoles**

- › Console redesigned to accommodate all of the vehicle work commands.
- › The positions of the switches and control levers have been designed to prevent vegetation from interfering with operation.



## **Electronic engine speed control**

- › With the advent of Common Rail engines, the electronic accelerator is now positioned on the right-hand console, allowing easy operation. This is accompanied by the ability to set two engine operating speeds, enabling the operator to simplify inter-row operations and end-of-field turns simply by pressing a button. The practical option of mechanical remote control is available for the mechanical lifter.



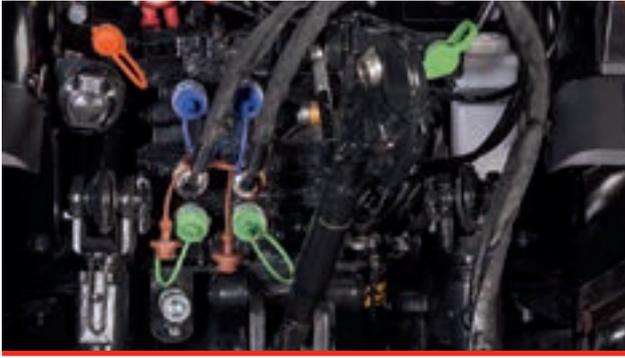
### **Assisted safety arch**

- › The protection arch can be lowered easily courtesy of two gas springs that reduce the apparent weight of the arch. This allows the operator to move the arch with ease.



### **Deport function for professionals**

- › The Deport function enables the lateral movement of the tool via the hydraulics system, using switches on the console and levelling one of the two lifter booms via the hydraulic piston.



## Greater hydraulic system performance

- › The hydraulic system has been enhanced with respect to the previous version, with a host of new optional features. Such as:
  - the possibility of improved oil flow management with the option of 3 hydraulic pumps that enable a maximum flow rate of 120 l/min
  - The distributors are equipped Detent which can be isolated for improved modulability of the hydraulic distributors
  - In all versions, the hydraulic systems are equipped with case drain/free return to sump, which in the top of the range version (with intermediate flow divider) is also equipped with a drainage device for all equipment that is moved using the hydraulic motor.



## Optional hydraulic sockets on the belly of the tractor

- › In order to provide better control of equipment attached to the front and the belly of the tractor, 4 quick-connect sockets with case drain/free return to sump are available as an option.

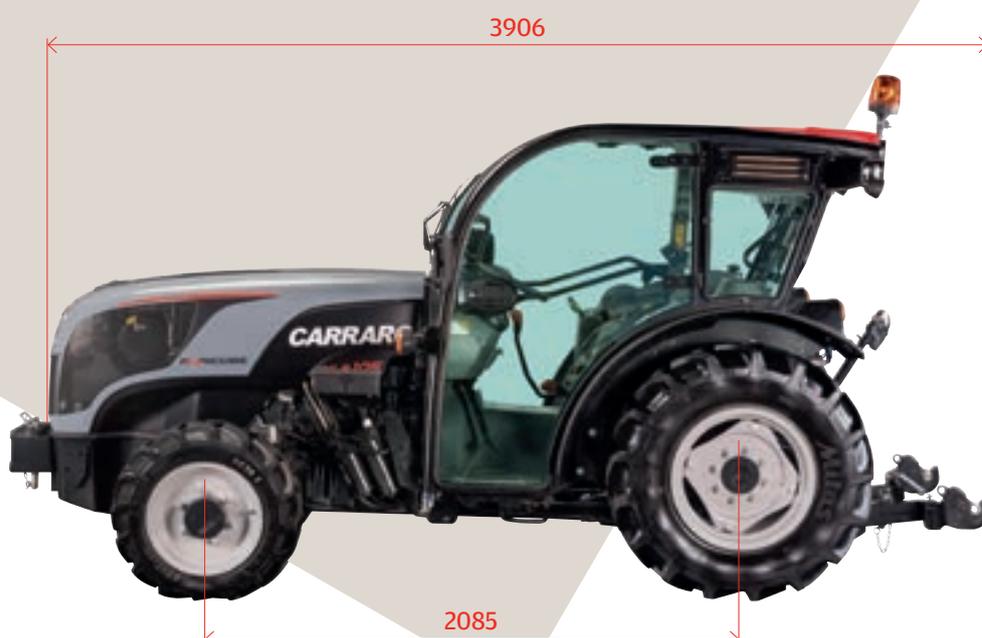




# The new VLB version with “Pergola” cab



## Compactness and comfort





### The new “Pergola” cab

- › With the structural cab, the vehicle does not need a protective arch.
- › With air conditioning and heating as standard, it offers excellent visibility thanks to the double-convex front windscreen with curved uprights. This allows the tractor to pass easily between vegetation, which slides along the sides of the cab without causing damage.





### The new interior

- › With a cab width of nearly 1.1m at the height of the fenders, the comfort and ergonomics of the driver's seat is guaranteed, with easy access to the controls, the fruit of an in-depth study into the control consoles.



# After-sales



Carraro Tractors is constantly committed to meeting the high requirements of its customers, offering product solutions that combine performance, quality and reliability with the versatility of multiple applications in the specialist tractor sector.

Carraro remains by the side of its customers even after the purchase of the tractor is complete, for the entire life cycle of the vehicle. Through a network of licensed dealers, Carraro

Tractors guarantees reliable and targeted assistance, helping those who use Carraro products to achieve greater profit and improve operational efficiency.

Carraro Tractors has also created the Carraro Academy training programme, along with a host of after-sales services, with a view to helping its dealers to develop high-level professional skills and profound product knowledge and to offer excellent service.

## Original replacement parts



### The guarantee that comes with original parts

- › Carraro's original replacement parts are designed and manufactured to ensure that the reliability and performance of the vehicle remain unaltered over time.
- › They are the fruit of Carraro's in-depth knowledge, experience and constant dedication to Research and Development in order to provide the best solution in terms of both performance and durability.



### CarraroOil greases and lubricants

- › CarraroOil lubricants and greases and Carraro filters protect parts from wear and improve tractor performance, prolonging the life of your investment.

## Technical assistance and diagnostics



### Technical documentation

- › The After-Sales section of the **carrarotracctors.com** website contains all of the technical documentation pertaining to maintenance, diagnostics and repair of Carraro Tractors products.
- › This important information can be consulted by the official Carraro Tractors network and by independent workshops that require it. The Operator's Manual is also available to all Carraro customers.



### Carraro Diagnostic System

- › The Carraro Diagnostic System is the new diagnostic tool developed for all Carraro products with ECU (electronic control unit).
- › Diagnostics, reprogramming, erasing of errors and test procedures can now be performed on Carraro tractors.

## Classroom-based and online training



### Classroom-based training

- › Carraro Academy technical courses are aimed at all dealers, workshops and professionals in the industry who need to carry out repairs according to Carraro's high quality standards, minimising maintenance and repair intervention times.
- › Want to stay up-to-date on Carraro Tractors products and services? Sign up for our courses on the website at **carrarotracctors.com**



### Online technical videos

- › In the Academy section of the **carrarotracctors.com** site, you can access a database of technical manual videos.
- › Thanks to this e-learning platform, technical "know-how" is accessible anywhere, just one click away.

# Technical data

## Vigneto Largo Basso

### Frutteto Basso

MODEL	75	85	95	105	115
Maximum power ISO kW	55.0	62.3	67.9	72.0	77.0
Maximum power ISO HP	74.8	84.7	92.3	103.2	104.7
Maximum power revolutions rpm	2,300	2,000	2,000	2,000	2,000 - 2,300
Maximum torque Nm	309	334	366	406	403
Maximum torque revolutions rpm	1,500	1,400	1,500	1,600	1,600

	VLB	FB
<b>ENGINE</b>		
Engine, manufacturer	FPT - F34 (STAGE 3B) - 3,400 cm <sup>3</sup>	FPT - F34 (STAGE 3B) - 3,400 cm <sup>3</sup>
Number of cylinders/Configuration	4 · turbo intercooler · 2 valves per cylinder · Common rail 1600 bar · EGR valve DOC + DPF pollution reduction system	
Cooling system	Liquid	Liquid
Fuel tank capacity	74 l	74 l
Tank capacity with front PTO	52.3 l	52.3 l
Exhaust	Horizontal	Horizontal
Battery	100 Ah	100 Ah
Alternator	80 A	80 A
Starter motor	4.2 kW	4.2 kW
<b>TRANSMISSION</b>		
24 + 24 24 forward gears 24 reverse gears	<b>Gear levers:</b> Lateral · <b>Gearbox:</b> 4 gear synchro · <b>Range:</b> 3 gear range L/M/Hi <b>HI-LO:</b> mechanical · <b>Shuttle:</b> mechanical <b>Minimum speed of tractor:</b> 0,5 km/h with 24" rear wheels <b>Maximum speed of tractor:</b> 42 km/h with 24" rear wheels	
24 + 12 FWD-REV 24 forward gears 12 reverse gears	<b>Reverser:</b> Electro-hydraulic · <b>HI-LO:</b> Electro-hydraulic · <b>Gear levers:</b> Lateral <b>Gearbox:</b> 4 gear synchro · <b>Range:</b> 3 gear range M/L/Hi synchro <b>Minimum speed of tractor:</b> 0,5 km/h with 24" rear wheels <b>Maximum speed of tractor:</b> 42 km/h with 24" rear wheels	
<b>MECHANICAL POWER TAKE-OFF SERVO-CONTROLLED</b>		
Speed (dry disc clutch)	540/540 E - 540/1,000	540/540 E - 540/1,000
<b>ELECTRO-HYDRAULIC PTO</b>		
Speed	540/540 E - 540/1,000	540/540 E - 540/1,000
Synchronised PTO	Standard	Standard
<b>CLUTCH</b>		
Independent, dry with dual disc in cerametalik material	12"	12"
<b>BRAKES</b>		
Control	Mechanical and hydraulic, 10 discs in oil bath	Mechanical and hydraulic, 10 discs in oil bath

	<b>VLB</b>	<b>FB</b>
<b>DIFFERENTIAL GEAR LOCK</b>		
Type	Mechanical, with electro-hydraulic engagement	Mechanical, with electro-hydraulic engagement
<b>FRONT AXLE</b>		
Maximum steering angle	55°	52°
Flange distance	1,155 mm	1,325 mm
4WD engagement	Electro-hydraulic	Electro-hydraulic
Differential gear lock	Limit slip	Limit slip
<b>REAR AXLE</b>		
Type	Planetary with 6:1 ratio	Planetary with 6:1 ratio
Flange distance	972 mm	1,242 mm
<b>HYDRAULIC SYSTEM</b>		
Pump capacity (l/min)	66.8 + 29.8 (standard)	66.8 + 29.8 + 29.8 (as option)
Distributors	2-3 mechanical distributors	
<b>THREE-POINT HITCH AND LIFTER, REAR</b>		
Maximum lifting capacity	2,400 kg	2,400 kg
Lifting	Mechanical with position, draft and mixed control	Mechanical with position, draft and mixed control
Category	2/1/1N	2/1/1N
Parallel	With quick coupler, adjustable	With quick coupler, adjustable
<b>THREE-POINT HITCH AND LIFTER, FRONT/ PTO</b>		
Maximum lifting capacity	1,500 kg	1,500 kg
PTO	1,000 RPM	1,000 RPM
<b>ITALY TOW HOOKS</b>		
With linchpins (standard), sliding (as option)	Category Cuna C (standard), Category Cuna C + D2 (as option)	
<b>EXPORT TOW HOOKS</b>		
With linchpins (standard), sliding (as option)	Category EC	Category EC
<b>FRONT WEIGHTS (DEPENDING ON THE TYPE OF TYRE)</b>		
As option	4 elements x 25 kg (100 kg) 6 elements x 25 kg (150 kg), 10 elements x 25 kg (250 kg)	4 elements x 25 kg (100 kg) 6 elements x 25 kg (150 kg), 10 elements x 25 kg (250 kg)
<b>DRIVER'S SEAT PLATFORM</b>		
Platform	Suspended, soundproofed, on 4 silent blocks	Suspended, soundproofed, on 4 silent blocks
Protection arch	Front, fold-down	Front, fold-down
Steering wheel	fixed	fixed
Seat	Mechanical suspension, in PVC	Mechanical suspension, in PVC
Operator's Manual	In Italian/English	In Italian/English
<b>CAB DRIVER'S SEAT</b>		
Cab	Suspended on silent block; Low profile	

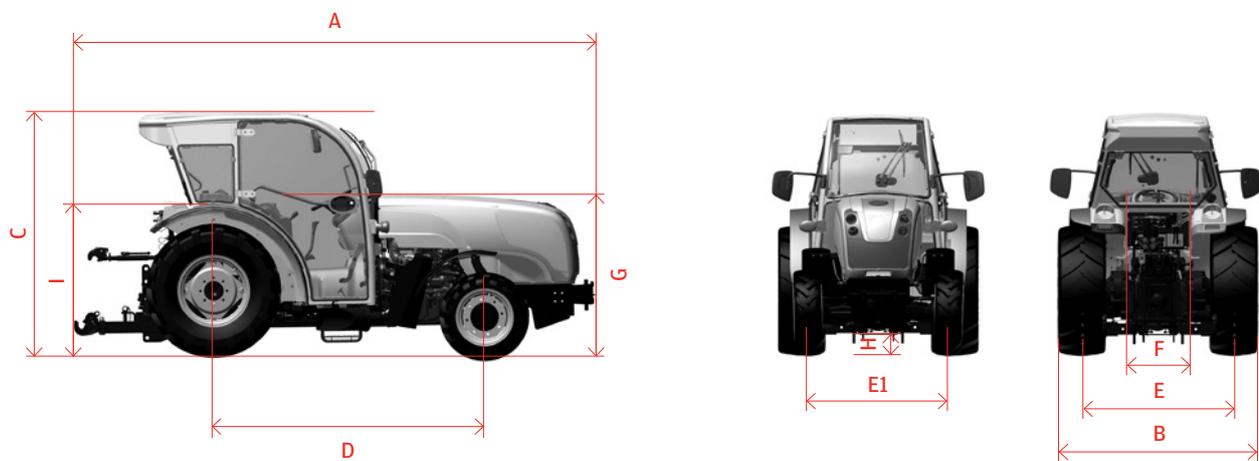
# Dimensions

## Vigneto Largo Basso

## Frutteto Basso

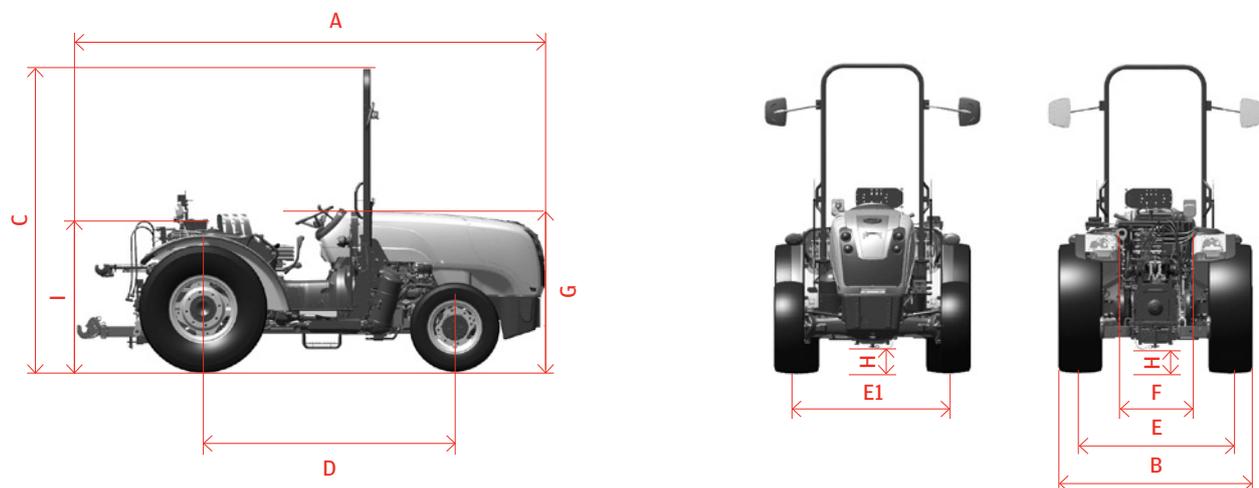
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### VLB CAB



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### VLB





	<b>VLB</b>	<b>FB</b>
Dimensions with front wheels	240/70R16	240/70R16
Dimensions with rear wheels	360/70R20	360/70R20
<b>A</b> Overall length	3,950 mm	3,950 mm
<b>B</b> Overall max and min	1,596 mm/1,336 mm	1,792 mm/1,532 mm
<b>C</b> Height with roll-bar raised (CAB)	2,390 mm (1,880 mm)	2,390 mm
<b>D</b> Wheelbase	2,085 mm	2,074 mm
<b>E1</b> Front wheel gauge	1,278 mm/1,202 mm	1,374 mm/1,258 mm
<b>E</b> Rear wheel gauge	1,226 mm/966 mm	1,422 mm/1,162 mm
<b>F</b> Internal fender width	520 mm	600 mm
<b>G</b> Maximum hood height	1,300 mm	1,300 mm
<b>H</b> Front and rear ground clearance	230 mm (front) / 210 mm (rear)	230 mm (front) / 210 mm (rear)
<b>I</b> Height of driver's seat (seat position)	1,000 mm	1,000 mm
<b>Total weight.</b> Without driver and front weights	2,680 kg 2,790 kg (CAB)	2,740 kg
Tyres can be provided as an optional extra	Front 280/70R16 Rear 360/70R24 Front 240/70R16 Rear 360/70R20	Front 280/70R16 Rear 360/70R24 Front 240/70R16 Rear 360/70R20



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Drawings and photographs may refer to optional equipment or special options for other countries. For all other information, contact our sales network.

