

VR|46 E-MTB

Limited



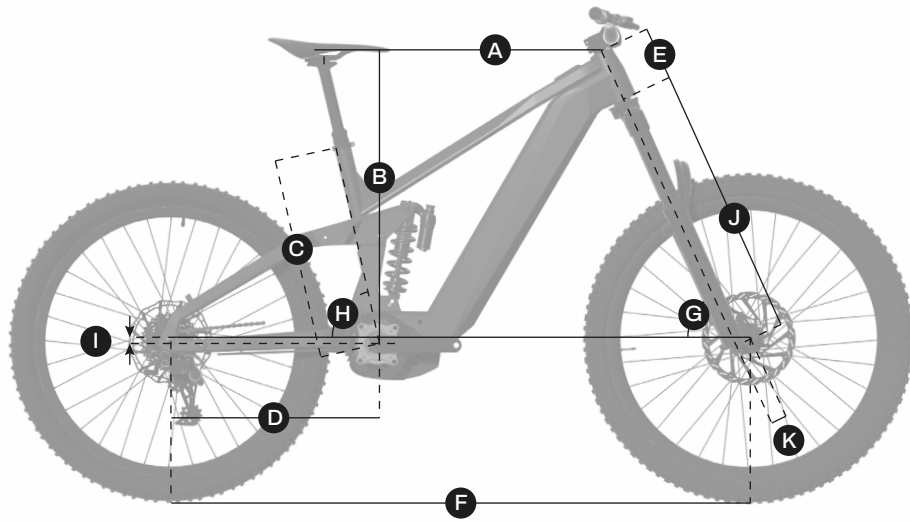
SPECIFICATIONS

COMPONENT	BRAND	MODEL	DESCRIPTION
Drive Unit	BOSCH	Performance Line CX	Performance Line CX (250W 36V 85N-m) is a powerful and dynamic drive system that provides ease of use and a unique pedalling feel to push the rider to the limit, for even more fun on technically demanding terrain. The maximum torque of 85N-m significantly improves ride behaviour, particularly at low pedalling frequencies, acceleration is quicker and starting on sloping terrain is noticeably easier. In the BOSCH Intelligent e-Bike System, the drive unit is fully networked with the other installed components and, through the eBike Flow app, additional digital functions can be utilised and the E-MTB can be continuously updated.
Battery	BOSCH	PowerTube 750 Vertical	The PowerTube 750 (750Wh) is the most powerful and durable version of the BOSCH PowerTube series of integrable lithium-ion batteries designed for long and demanding trail climbs and adventures.
Display - LCD screen	BOSCH	Kiox 300	The Kiox 300 cyclocomputer is the LCD display for the BOSCH Intelligent e-Bike System, intuitively operated via the LED Remote Control Unit, extremely compact and with an easy-to-read, splash-proof and dust-proof colour screen. Fully networked in the Intelligent e-Bike System, it continuously receives new functions via the eBike Flow app.
Display - LED remote	BOSCH	LED Remote	The LED Remote control unit connects the E-MTB to the eBike Flow app; extremely ergonomic and intuitive, it provides easy access to all important riding data while keeping the rider's hands firmly on the handlebars. Thanks to the intelligent system, the LED Remote enables autonomous updates for the E-MTB.

COMPONENT	BRAND	MODEL	DESCRIPTION
Fork	Öhlins	MTB AM RXF36 m.2 Air TTX18 29"	New RXF36 m.2 fork is the result of a reworking of the proven TTX 18 damping from the DH Race fork to offer optimum traction and control on trails and enduro race courses. The TTX18 cartridge kit features a trail-optimized 18mm piston that now adds ultra-sensitive tracking over small bumps to the superbly capable package. 165mm air travel, with increased damping pressure bandwidth, the damping valve response and sensitivity greatly exceeds original RXF36 fork to give unrivalled traction control and ultra-consistent performance. The RXF36 m.2's adjustment range is specifically designed for tough trails and enduro races, giving 15 clicks of low-speed compression and low-speed rebound for total suspension control. For high-speed compression, you get three clicks plus a climb mode setting. Clicker dials make for easy on-the-fly, tool-free adjustments. The retuned, twin piston, three chamber air-spring system allows you to completely dial-in the level of progression – from the initial movement, right through to the bottom out.
Rear shock	Öhlins	MTB TTX 22M 205x65 mm Trunnion	TTX22M rear shock delivers great performance and enables you to attack the toughest sections faster and harder than you ever thought possible. Designed to soak up even the most challenging downhill tracks, the TTX22M shock also provides excellent pedal efficiency over flat and uphill sections. Its twin tube design allows the gas pressure to consistently backup the low-pressure side of the piston to keep it at a controlled level. This ensures a highly consistent damping performance and an instant suspension response for outstanding bike control and unbeatable tire traction over any kind of terrain. Super simple to set up, the low and high-speed compression and rebound damping are externally adjustable for easy tuning on-the-fly. The TTX22M Trunnion allows riders to fit a longer shock within a more compact frame area.
Shifter (Controller)	SRAM	GX Eagle AXS™	Modern wireless SRAM AXS™ technology enables electronic shifting communication between the GX Eagle system's controller and rear derailleur. The GX Eagle AXS™ controller, through its proven ergonomic shift buttons, ensures precise and effortless shifting in the roughest of terrains and uphill climbs, giving the rider access to a whole new way of customising and designing their shifting experience according to their preferences via the AXS™ app.
Rear derailleur	SRAM	GX Eagle AXS™ Lunar 12v	Modern wireless SRAM AXS™ technology enables electronic shifting communication between the controller and the rear derailleur of the GX Eagle system, perfected for the new 10-52 tooth cassette, created with a new cage that significantly improves chain control and guarantees more precise shifting while offering maximum riding stability, even on strenuous and very demanding terrain, eliminating shifting rebound and making the drivetrain smoother. Improved and repositioned fixing system for greater strength, as well as allowing the rear wheel to be mounted and removed easily and the chain to be installed quickly. The GX Eagle AXS™ 12-speed rear derailleur, pre-coupled to the controller, guarantees precise, fast and silent shifting, powered by the supplied eTap AXS™ battery, removable and rechargeable through the eTap AXS™ Powerpack, to guarantee a range of up to 25 hours of use.
Cassette	SRAM	XG-1275 12v 10-52	The new SRAM Eagle 10-52 tooth cassette was designed for the most demanding riders and allows the E-MTB to play with the 12-speeds available, tackling even the toughest climbs without too much difficulty. In addition to the extended range of ratios, this cassette uses Full Pin technology, which provides a light but strong permanent joint between the steel sprockets using high-strength stainless steel pins.
Derailleur hanger	SRAM	UDH (Universal Derailleur Hanger)	Universal Derailleur Hanger, designed and optimised for use with SRAM rear derailleurs, in addition to improving drivetrain performance by increasing shifting precision. Equipped with a protection system that allows the dropout to rotate in the event of strong impacts to save the rear derailleur and the dropout itself from damage, and with a ramp that is positioned between the cassette and the frame to save the latter in the event that the chain should fall off the smallest sprocket, thus preventing it from jamming into the frame and damaging it.
Chain	SRAM	GX Eagle 12s 120 links	Chain for 12-speed single chainring system (10-52) with a narrow profile to allow for larger crossovers and to allow for a flatter outer plate, smoother chain riveting and superior overall strength. Equipped with ultra-smooth inner links with no edge with straight angle to reduce friction and ensure quieter performance and excellent durability. Power Lock release system.
Chainring	FSA	CR-E-BIKE Steel Chainring 1x 104x34T	1x steel megatooth chainring compatible for BOSCH drive unit.
Crank arms	FSA	CK E-BIKE CK-702/is armset w/qr32 165mm/170mm	Hollow carbon crank arms, compatible with BOSCH drive unit, ISIS drive (M size = 165mm / L size = 170mm).
Active spider	ochain	ochain-E Pregio Version	OCHAIN-E is the first active spider designed specifically for E-MTB, patented in Italy, which, by dissociating the suspension forces from the transmission, in addition to reducing chain pull and allowing the shock absorber to work without a contrasting force, providing the cyclist with sensation of fluid riding ("chainless"), it is able to perceive the force of pedaling or that of simple support, avoiding unnecessary efforts to the engine when it is not required. The OCHAIN-E installed on the VR46 E-MTB Limited, specially configured for the BOSCH 52mm offset e-bike system supplied with elastomers set to allow a fixed 9° of free backward rotation of the crank arms, is ready for use.
Hydraulic front brake / Hydraulic rear brake	SRAM	CODE™ RSC	CODE™ RSC is SRAM's more powerful braking system, specially designed for the toughest MTB disciplines, thanks to wider 4-piston aluminium callipers, dedicated to Gravity to provide real, usable control on the trail. SwingLink e Lever Pivot Bearings technologies ensure smooth and progressive use of the controls, while the 30% additional volume ensures more power in the most extreme conditions, more intensive use and high speeds, allowing less force to be used for stopping with increased stopping masses. Heat Shield technology decreases the transfer of heat from the pad to its body during braking, for improved high temperature management.
Front brake rotor	SRAM	Centerline 200mm	New SRAM Centerline 6-hole rotor design for a constant friction centre during the entire rotation, excellent cooling and extremely quiet operation. 200 mm diameter.
Rear brake rotor	SRAM	Centerline 180mm	New SRAM Centerline 6-hole rotor design for a constant friction centre during the entire rotation, excellent cooling and extremely quiet operation. 180 mm diameter.
Handlebar	FSA	HB MTB GRADIENT Riser Carbon 20x800 35 Ø35mm	Handlebar made of carbon composite in which lightness and rigidity are combined for the most extreme trail and enduro disciplines, light enough for XC, but strong enough for Freeride. New reinforced and texture clamping areas with Ø35mm clamp creates a handlebar that can withstand the toughest routes, without compromising weight.
Stem	FSA	ST MTB GRADIENT TEAM LTD 50mm 0° Ø35mm	Handlebar stem one-off design developed and optimized specifically for enduro use. 100% CNC machined with Oil slick surface.

COMPONENT	BRAND	MODEL	DESCRIPTION
Headset	FSA	HS NO.57E 8mm alloy 1-1/8 to 1.5	Semi-integrated headset No.57E-1 1-1/8" – 1.5" Orbit 1.5E ZS 15mm.
Expander	FSA	HSSP Star Nut Alloy flat 1-1/8	Aluminium cap 1-1/8".
Grips	AMS	Berm black	Grips that provide an ergonomic and comfortable grip on long days on the bike and on uneven terrain. Different outer and inner grip diameters to ensure a natural grip.
Saddle	fizik	TERRA AIDON X1 lightweight carbon rail systems 145mm	Short saddle with carbon rail designed specifically for E-MTB full-suspension to guarantee excellent support and great agility.
Dropper seatpost	crankbrothers	Adjustable Seatpost Highline 7 170 mm x Ø31.6mm	Dropper seatpost seatpost ideal for all-mountain and enduro use. Ultra-light and robust aluminium frame with extremely smooth-running hydraulic cartridge (air and oil separated).
Dropper seatpost remote	crankbrothers	ADJ Highline Remote Premium	Dropper seatpost remote with universal mounting possibility. Continuous spherical adjustment, 360° rotation and 22° tilt. Telescopic seat post control with universal mounting possibility. Continuous spherical adjustment, 360° rotation and 22° tilt.
Front wheel	crankbrothers	SYNTHESIS Carbon e-Bike 29" Front 15x110 BOOST™	Front wheel with light and strong 100% carbon rim, higher and more directional, specially designed for trail and enduro use, to allow more control, handling and precision when riding. Front hub Synthesis Standard, 6 bolt type, 17° engagement. Front spokes Sapim D-Light. Carbon rim, inner width: 31.5mm and outer width: 37.5mm, made to last and guaranteed free of manufacturing defects for its entire lifetime (Crankbrothers SYNTHESIS Tuned Carbon Wheel System "Lifetime Warranty").
Rear wheel	crankbrothers	SYNTHESIS Carbon e-Bike 27,5" Plus Rear 148x12 BOOST™ XD	Rear wheel with light and strong 100% carbon rim, narrower than the front wheel, improves rolling resistance and ensures perfect grip, equipped with the rigidity required to absorb shocks, optimise performance and braking at high speed. Rear hub Synthesis Standard, 6 bolt type, 17° engagement. Rear spokes Sapim Racet. Carbon rim, inner width: 29.5mm and outer width: 36.5mm, made to last and guaranteed free of manufacturing defects for its entire lifetime (Crankbrothers SYNTHESIS Tuned Carbon Wheel System "Lifetime Warranty").
Front tyre	PIRELLI	Scorpion™ ENDURO S 29"x2.6 HardWall	High profile, widely spaced enduro tyre to penetrate and cut through any type of soft terrain. Suitable for demanding tracks where the terrain is variable and grip and adherence are crucial, guaranteeing consistent performance over time and in all types of weather conditions. Racing-ready SmartGRIP Gravity compound with formulation derived directly from motocross experience. HardWALL MTB casing which, in addition to the multiple reinforcements incorporated in the structure to improve strength and provide greater support when riding at low pressures, handles high loads with ease and prevents punctures.
Rear tyre	PIRELLI	Scorpion™ E-MTB S 27,5"x2.6 HyperWall	Enduro tyre with a high profile and widely spaced to penetrate and cut through any type of soft terrain, ideal for the search for maximum downhill performance. Suitable for demanding trails where the terrain is variable and grip and adherence are crucial, guaranteeing consistent performance over time and in all types of weather conditions. Racing-ready SmartGRIP Gravity compound with formulation derived directly from motocross and downhill experience. HyperWALL MTB casing for improved rideability and puncture protection even at low pressures and to achieve a level of sidewall stability typical of downhill tyres.
Anti-puncture system - front tyre/rear tyre	TECHNOMOUSSE	MTB Green Constrictor (Anteriore: 29" / Posteriore: 27,5")	Technomousse Green Constrictor is the first anti-puncture system 100% "Made in Italy", included in the product, ideal for all mountain and enduro use, which allows to protect the tires from punctures and side cuts and to absorb most of the vibrations exerted on them, guaranteeing a smoother, more comfortable and precise ride, perfectly supporting the tyre even in case of punctures. By simulating a pressure of about 0.5 bar inside the tyre, it can be used at very low pressures, greatly improving the driving sensitivity and guaranteeing maximum rim protection even in extreme use conditions.
Frame	PLATUM	VR46 E-MTB Limited edition	Hydroformed aluminium frame Limited edition with flip chip dropout system, numbered and signed by Valentino Rossi, italian design by Platium.

GEOMETRY



	M	L
A Top tube length "EFF" (mm)	570	615
B Stack (mm)	600	630
C Seat tube length (mm)	430	455
D Chainstay length (mm)	450	450
E Head tube length (mm)	110	125
F Wheelbase (mm)	1275 / 1280	1300 / 1305
G Head tube angle (°)	65,5 / 64,5	65,5 / 64,5
H Seat tube angle (°)	76 / 75	76 / 75
I BB Drop (mm)	0 / 15	0 / 15
J Fork size (mm)	580	580
K Fork offset (mm)	44	44
Fork travel (mm)	165	165
Rear travel (mm)	205x65	205x65
Handlebar length (mm)	800	800
Crank arm length (mm)	165	170

