

# VR|46 E-MTB

## Pro



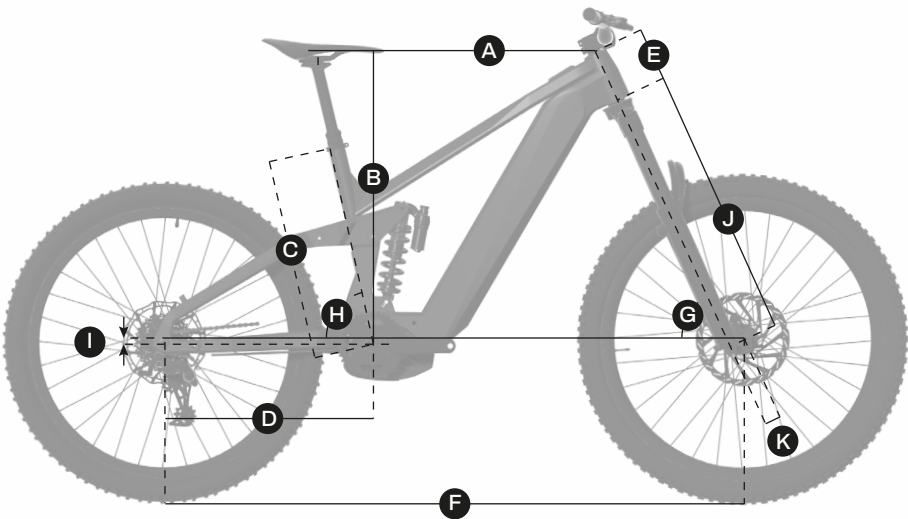
## SPECIFICATIONS

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	RockShox	Lyrik Ultimate RC2 29"	160mm travel fork designed to reduce hand fatigue and combat unwanted friction Newly redesigned DebonAir™ air suspension, linear and sensitive on small bumps that improves support over the entire travel, Charger 2.1 RC2 performance damping cartridge with independent low and high-speed compression adjustment. SKF ultra-low friction bearings, Maxima Plush oil with strong fluidity and robust 35mm diameter top tubes.
Rear shock	RockShox	Super Deluxe Coil Ultimate	Ideal rear shock absorber for all-mountain and enduro use. 205×65mm travel with Trunnion mount and coil spring with extremely linear response curve. Compression adjustment with 2 positions (open/blocked) to adapt the stroke to any terrain and any conditions with advanced slow compression adjustment in open mode. Rapid Recovery system that allows the shock to recover faster in consecutive bumps by letting the wheel follow the terrain. Maxima Plush damping fluid.
Shifter	SRAM	GX Eagle Trigger Lunar 12v	Shifter GX Eagle Trigger, ideal for E-MTB, is the control centre of the new GX Eagle 12-speeds drivetrain, updated and improved to ensure ultra-fast, precise and smooth gear shifting across the entire cassette.
Rear derailleur	SRAM	GX Eagle Lunar 12v	The SRAM GX Eagle rear derailleur 12-speeds has been perfected for the new 10-52 tooth cassettes, created with a new cage that significantly improves chain control and ensures more precise shifting while offering maximum riding stability, even on strenuous and very demanding terrain, eliminating gearbox rebound and making the drivetrain smoother. Improved and repositioned fixing system to ensure greater strength, as well as allowing the rear wheel to be fitted and removed easily and the chain to be installed quickly.
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 12v 120 maglie	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 Direct Mount 148 1x34T	Direct Mount steel chainring for BOSCH drive unit, BOOST™ 148 megatooth.
Crank arms	FSA	CK E-BIKE CK-762/IS wider Armset 165mm	Forged aluminium crank arms, compatible with BOSCH drive unit, ISIS drive anodized black, laser graphics.
Hydraulic front brake / Hydraulic rear brake	SRAM	G2 RE	G2 RE is SRAM's brake system designed specifically for E-MTBs, capable of handling the higher average speeds, more intense use and increased mass due to the presence of the motor and battery. It combines the tried-and-tested Guide R lever assembly with a 4-piston caliper derived from Code brakes dedicated to Gravity to deliver real, usable control on the trail. Optimum power and modulation allow speed control on any terrain and in all situations, both uphill and downhill.
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 COMET riser alloy 15x800mm Ø35mm A0	High-quality aluminium handlebars in which lightness and rigidity are combined to tackle the most extreme off-road disciplines, as well as XC. The enlarged centre section with a diameter of 35 mm enables the handlebar to withstand the toughest trails without compromising its weight. The classic geometry is combined with a 4° higher camber to allow a more aggressive ride in a more comfortable position.
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.
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".
Saddle	selle sanmarco	Ground Short DNY 140mm VR46 Pro edition	VR46 E-MTB customised saddle made of durable Silkfeel material and equipped with manganese rails. Designed for demanding terrain, comfortable even on the steepest climbs, it achieves the perfect balance between support and pressure relief where it is needed.
Dropper seatpost	cranckbrothers	Adjustable Seatpost Highline 7 170 mm x Ø31.6mm	Dropper 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	cranckbrothers	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.

COMPONENT	BRAND	MODEL	DESCRIPTION
Front wheel	FULCRUM	E-METAL 500 30mm x 29" VR46 edition	A taller and more directional front wheel, specially designed for trail and enduro use, E-METAL 500 with VR46 Pro edition customisation encompasses all the technologies developed for the E-MTB world. 30mm rim, a solid and reactive rim for maximum steering precision that allows the E-MTB to merge with the terrain and ensure maximum stability and manoeuvrability when tackling and overcoming any obstacle, both downhill and uphill. BOOST™ 15mm thru-axle hub, 2.0-1.8-2.0 mm rounded spokes with reinforced straight head, aluminium nipple with self-lock.
Rear wheel	FULCRUM	E-METAL 500 35mm x 27,5" VR46 edition	Rear wheel, reinforced and specially designed for trail and enduro use, E-METAL 500 with VR46 Pro edition customisation, incorporates all the technologies developed for the E-MTB world. 35mm channel, solid and reactive rim, ready to offer maximum power transmission. BOOST™ 12mm thru-axle 148mm hub, rounded 2.0-1.8-2.0mm straight-head and reinforced spokes, aluminium nipple with self-lock.
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.
Frame	PLATUM	VR46 E-MTB Pro edition	Hydroformed aluminium frame PRO edition with flip chip dropout system, italian design by Platum.

# GEOMETRY



	M	L
<b>A</b> Top tube lenght "EFF" (mm)	570	615
<b>B</b> Stack (mm)	600	630
<b>C</b> Seat tube lenght (mm)	430	455
<b>D</b> Chainstay lenght (mm)	450	450
<b>E</b> Head tube lenght (mm)	110	125
<b>F</b> Wheelbase (mm)	1270 / 1275	1295 / 1300
<b>G</b> Head tube angle (°)	65,5 / 64,5	65,5 / 64,5
<b>H</b> Seat tube angle (°)	76 / 75	76 / 75
<b>I</b> BB Drop (mm)	0 / 15	0 / 15
<b>J</b> Fork size (mm)	575	575
<b>K</b> Fork offset (mm)	44	44
Fork travel (mm)	160	160
Rear travel (mm)	205x65	205x65
Handlebar lenght (mm)	800	800
Crank arm lenght (mm)	165	165