

MOTOCROSS RANGE 2024



FANTIC
RACING

EN



So much fun, but also
top **class performance**,
to see off your rivals
with a **smile under**
your helmet!

XX125

POCKET ROCKET XX125

XX 125

Whether you're a rookie or an expert rider, the 2-stroke roar of our **XX125 will lift your heart at the first rev.**

By the end of the first lap you'll have fallen in love with the **perfect combination of ergonomics and manoeuvrability, agility and responsiveness.**





EXPERIENCE THE PURE ESSENCE OF RIDING.



AN UNRIVALLED PACKAGE

The XX125 boasts the most competitive frame and suspension in its class. An exceptionally precise high-tech semi-double cradle frame in aluminium for optimum rigidity and lightness, weighing just 8 kg. How does it feel to ride? Maximum precision and responsiveness for top performance in any conditions. Kayaba suspension has been the benchmark for off-road bikes for years and needs no introduction. The **Kayaba SSS (Speed Sensitive System) 48mm** closed cartridge pressurised forks have 300mm of travel and are fully adjustable for pre-load, extension and compression. Perfect adaptation for any level of riding, from beginner to race professional. The mono shock absorber is also **Kayaba**, with 315mm wheel travel.

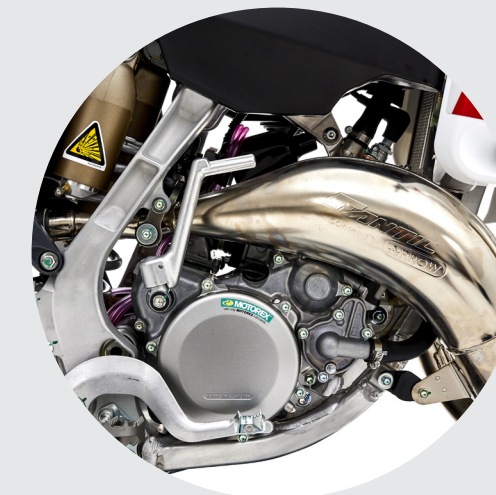


ONLY RACE MATTERS

But how cool is it to change a filter one-handed? No tools required, and ready to go again in a few seconds. What really counts is time on the seat, not pitstops.

So simple, it rhymes with performance.

Following careful flow analysis and trial runs with our riders, the **Fantic engineers** chose an optimised sizing for maximum performance. The new design also guarantees minimum impurities, so only fresh air enters the **TwinAir** filter.



POWER AND RESPONSIVENESS

The small but ultra-performance **125cc 2-stroke** engine needs no introduction, apart from knowing it's the **Junior 2021 Champion**.

Thanks to intense research and meticulous work on the cylinder, piston and connecting rod, our 125 has never been so powerful and enjoyable to ride.

The cherry on the cake is the **Kehin 38mm** carburettor which, thanks to a solenoid-controlled power jet, further enhances performance when it's needed on the track.



KEEP THE FOCUS

We want you to stay focused and alert from the first lap to the last.

This is why we worked with the **Factory Team** to develop special slimline plastics, without obstructions and perfectly contoured to give you **maximum comfort, freedom and riding position**.



NOT ONLY COOL

A fantastic chrome-plated expansion pipe will tell the world loud and clear about the wonders of two-stroke.

Our **R&D department** worked hard on a component that's key to performance and designed specifically for **high-level MX use**.

Thanks to the cast aluminium silencer, we also ensure compliance with **FIM regulations**.

100% race ready!

XX250

EXPERIENCE THE PURE ESSENCE OF RIDING.



I'M THE
CHAMPION,
BABY
XX 250

XX 250

Everyone thought it was finished, but our 2t is in such good shape that the **XX250 won the european EMX250**, brushing off competition from 4-strokes. We even managed to challenge the 450 in the first european event of the world mxgp, and now all our experience and accolades are ready and **waiting for your right wrist.**





EXPERIENCE THE PURE ESSENCE OF RIDING.



ONLY RACE MATTERS

But how cool is it to change a **filter one-handed?** No tools are required, and ready to go again in a few seconds. What really counts is time on the seat, not pitstops.

So simple, that it rhymes with performance.

Following careful flow analysis and trial runs with our riders, the **Fantic engineers** chose an optimised sizing for maximum performance. The new design also guarantees minimum impurities, so only fresh air enters the **TwinAir filter**.



AN UNRIVALLED PACKAGE

The XX250 boasts the most competitive frame and suspension in its class. An exceptionally precise **high-tech semi-double-cradle** frame in aluminium for optimum rigidity and lightness, weighing just 8 kg. How does it feel to ride? **Maximum precision** and responsiveness for top performance in any conditions. **Kayaba** suspension has been the benchmark for off-road for years and needs no introduction. The **Kayaba SSS (Speed Sensitive System)** 48mm closed cartridge pressurised forks have 300mm of travel and are fully adjustable for pre-load, rebound and compression. Perfect adaptation for any level of riding, from beginner to race professional. The mono shock absorber is also Kayaba, with 315mm wheel travel.

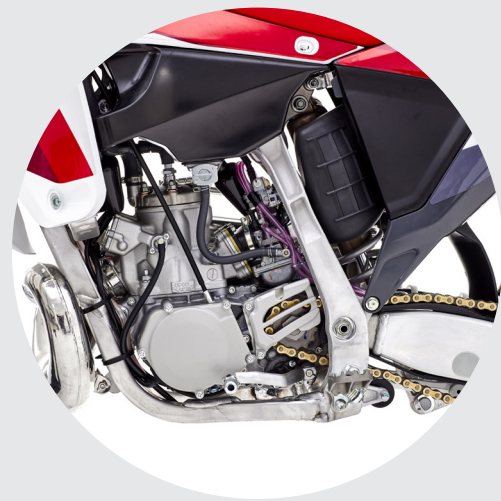


NOT ONLY COOL

A fantastic chrome-plated expansion pipe will tell the world loud and clear about the wonders of a two-stroke.

Our **R&D department** worked hard on a component that's key to performance and designed specifically for high-level MX use.

Thanks to the cast aluminium silencer, we also ensure compliance with FIM regulations. **100% race ready!**



ADRENALINE AND EXPLOSIVE TWO-STROKE POWER

As promised, **Fantic Racing** fine-tunes the beating heart of the XX250 with a piston from the Maddii Factory team which dominates the championships.

With the Fantic exhaust system and double mapping control unit, the **XX250** becomes even more **powerful** and **explosive** when needed, but the excellent chassis makes it easy to handle.

An extremely **powerful**, but **balanced**, weapon.



AS YOU WANT ME

How's the track today? Wet sand? Perfectly packed dirt? **No problem.**

The **XX250** comes with two engine mapping settings accessed from the handlebars.

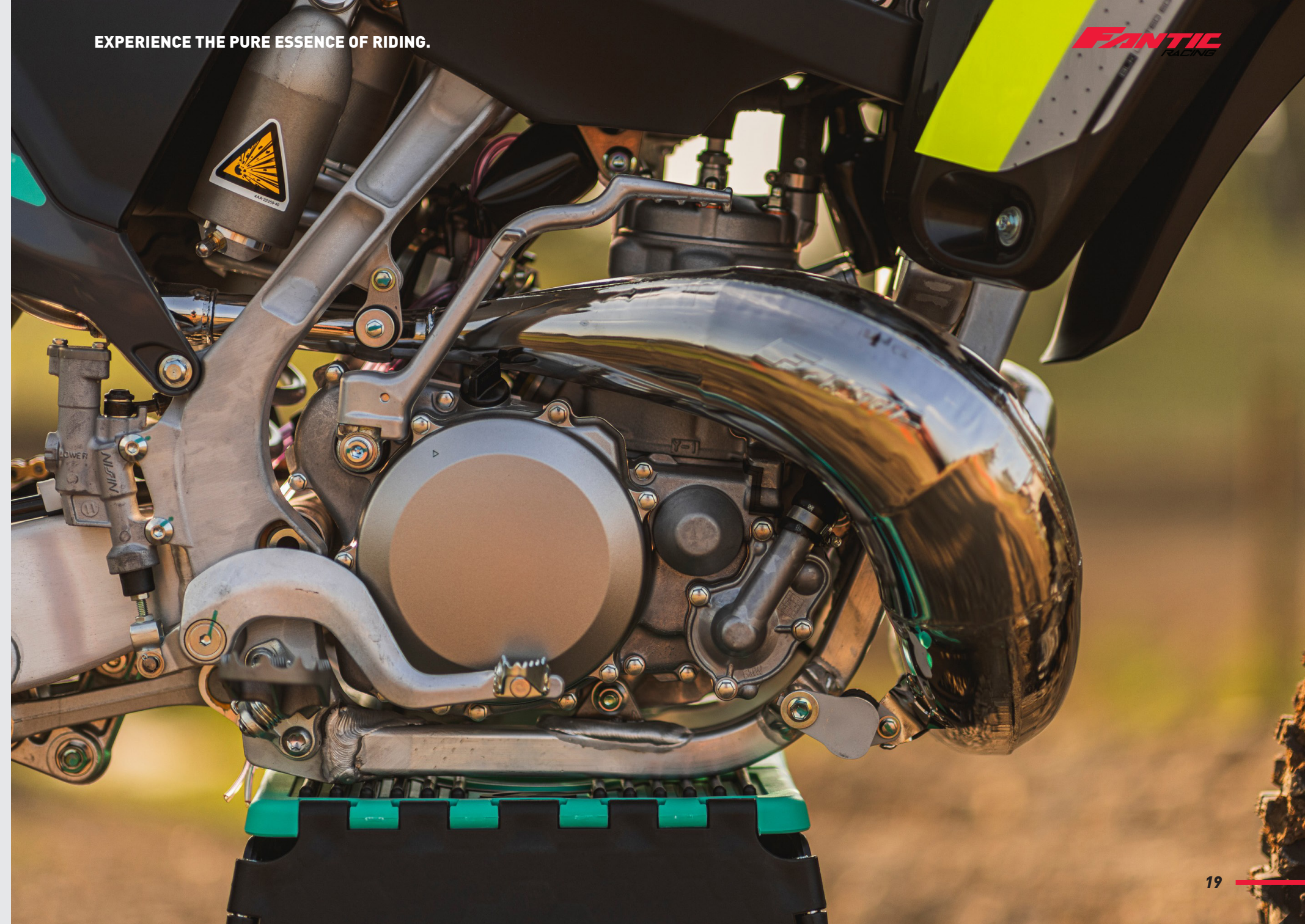
The Soft Mapping delays ignition time, giving more gentle delivery and is recommended for a more treacherous terrain, for a bike that's always responsive and manageable, without sacrificing the adrenaline rush of **maximum power.**



KEEP THE FOCUS

We want you to stay focused and alert from the first lap to the last.

This is why we worked with the **Factory Team** to develop special slimline plastics, without obstructions and perfectly contoured to give you maximum comfort, **freedom** and **riding position.**



XXF250



EXPERIENCE THE PURE ESSENCE OF RIDING.



THE QUEEN
OF DIRT
BIKES
TRACKS.
XXF250



XXF 250

Factory feeling even in a major category like the quarter-litre.

A thoroughbred that boasts **aggression, performance, versatility and control** for mid-class dominance.





BEAUTY AND PERFORMANCE

The intrinsic characteristics of the 4-stroke are showcased in our **Arrow** exhaust system: great torque and linear delivery combined with an extra boost at high revs!

The ultimate touch is a titanium silencer as standard, weighing just 1 kg, a real plus worthy of a **factory bike**.



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TECHNOLOGY FOR POWER

Light, agile, precise.

That's how you want to feel as you ride at the limits between jumps and banking, and that's what you get with our **sophisticated** aluminium frame.

Moulded, extruded and die-cast components join forces to guarantee the ideal **balance** of **lightness** and rigidity.



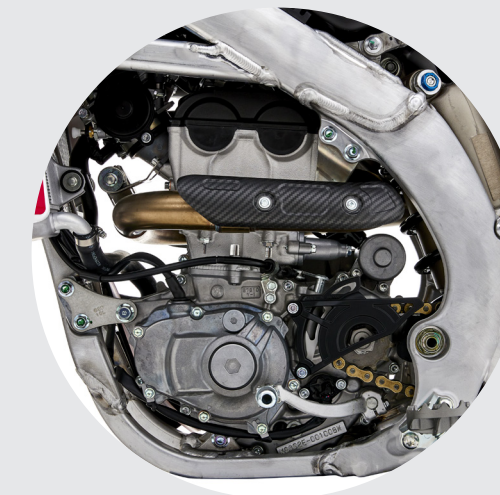
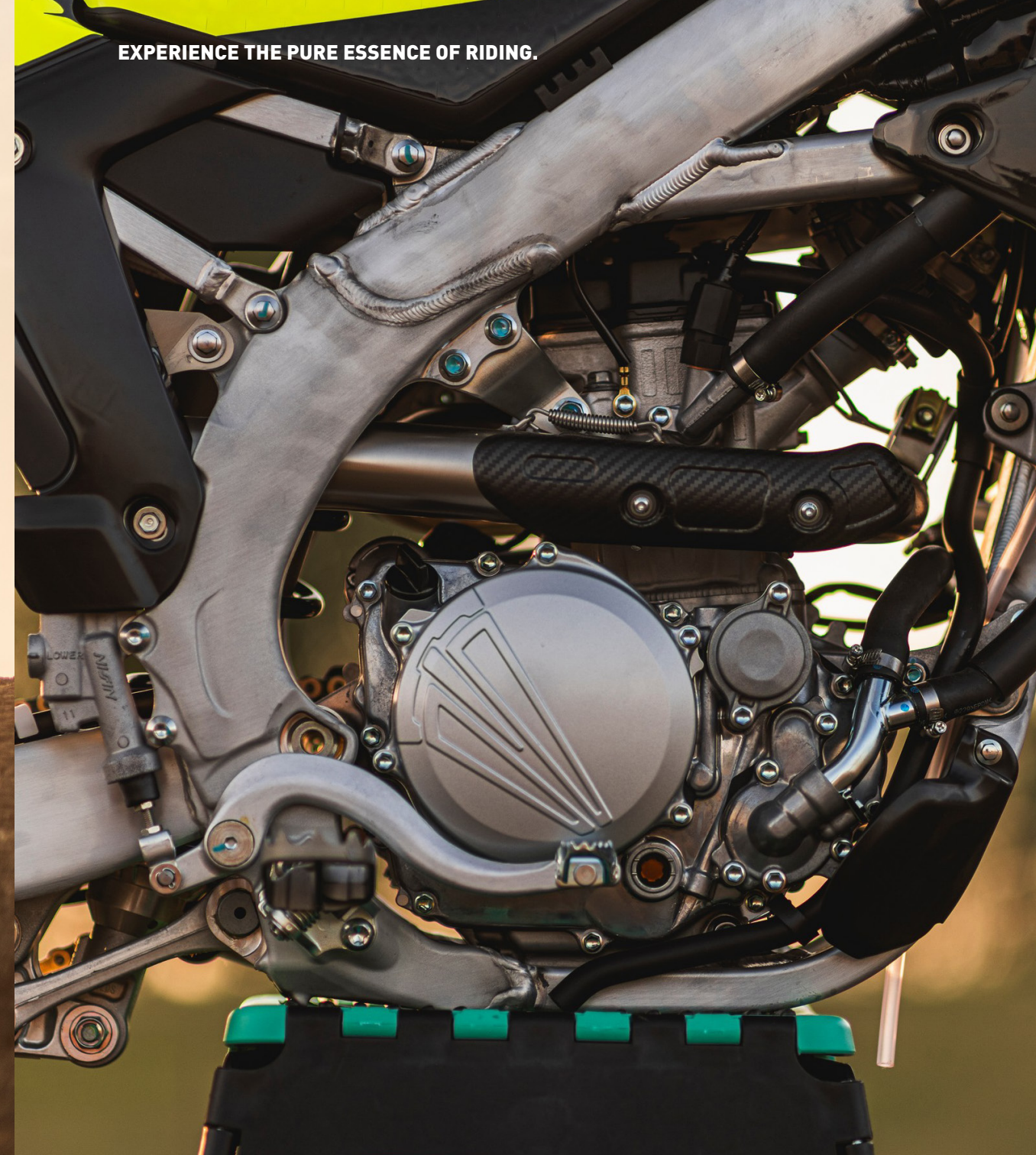


IT'S ALL UNDER CONTROL!

Enormous power controlled by technology.

The **XXF 250** is fitted with the Fantic e-Package, with GET traction and launch control.

A big plus is the LC-GPA screen mounted on the mudguard to improve starts and display the different traction control levels.



ONE OF A KIND

Sometimes you need extreme **choices** to win.

Our **250 4t** features an absolutely innovative solution on the market: a **reversed head**, giving direct front aspiration that's short and efficient.

This compact engine layout, combined with a backwards-sloping cylinder, centralises weight to ensure extreme agility and impressive **manoeuvrability**.

XXF450



THE **EXCELLENT TECHNOLOGY,**
THE CHASSIS
AND THE
ERGONOMICS,

XXF 450

From now on Fantic's MX range becomes very wide, thus meeting the needs of all types of riders. Introducing the **XXF450**. A bike that boasts torque, power and limitless aggression, without sacrificing versatility, agility and control.

The excellent technology, the chassis and the ergonomics, result of the riding experience gained by the official Fantic riders, make the new Fantic **XXF 450** range truly extraordinary. An extremely powerful bike, but at the same time intuitive and extremely balanced in all usage conditions.





ERGONOMICS IMPROVED IN DETAILS

Slim superstructures **facilitate movement** on the seat and guarantee an instant feeling on the bike. Front fending and side panels are functional and ergonomic, allowing freedom of movement and control of the bike in every situation. The seat features a high-grip cover. The tank has a capacity of 6.2 litres.



HIGH BALANCE AND PERFORMANCE

The **traction**, torque and **power** released by this 450 are balanced by great vehicle control and management that allows it to exploit its enormous qualities at its best. The **ECU system** is an **RX1Pro Athena-GET control**, developed by the **Fantic Racing Department**: a racing control unit fitted on a standard bike. A switch positioned on the handlebar is used to select the ideal mapping. Fantic offers 3 different possible settings: **Standard, Hard and Soft** that can also be customized according to your needs. The **Arrow exhaust**, with titanium silencer from production, represents a real factory bike plus.



TOP LEVEL CHASSIS AND SUSPENSIONS

Thanks to the exceptional qualities of the aluminium perimeter frame and **KYB** suspension with **SSS [Speed-Sensitive System]** 48 mm diameter fork, 310 mm stroke and MX setting studied and improved by the Fantic racing department. The mono-shock provides 317 mm of wheel travel and is separately adjustable for preload, compression and rebound. An aluminium alloy swingarm and 21x1.60 - 19x1.85 rims to accommodate **Pirelli** 80/100-21 and 110/90-19 tyres complete the vehicle dynamics package. Naturally **Nissin** brakes, with 270mm discs at the front and 240 mm at the rear

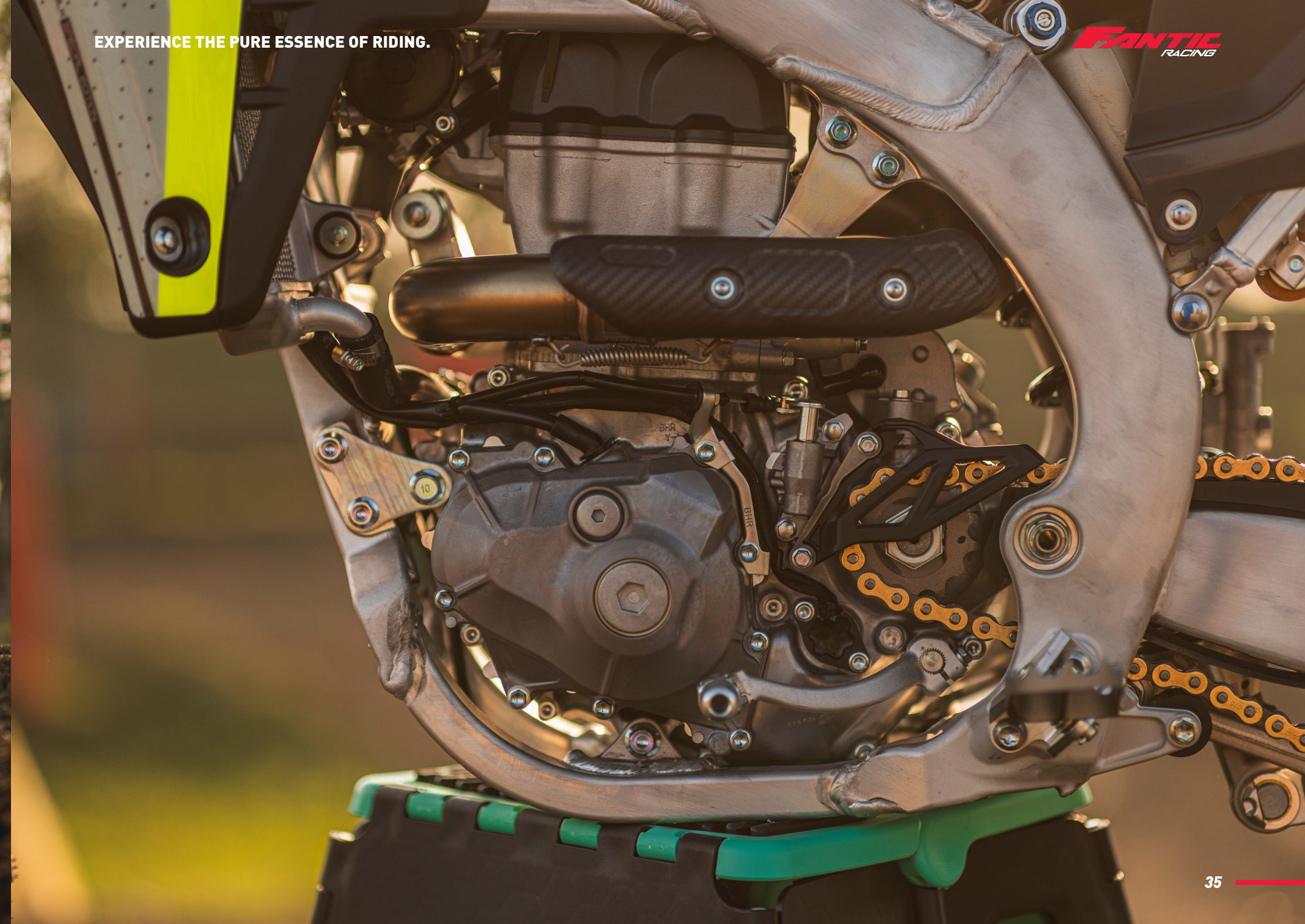




EVERYTHING UNDER CONTROL!

Huge power controlled by technology.

XXF 450 is equipped with traction control and **GET launch control**. A big plus is the **LC-GPA** screen located on the mudguard to improve starts and display the different traction control levels.



XX 125



ENGINE	
TYPE	Single-cylinder 2-strokes with intake reed valve and exhaust YPVS
DISPLACEMENT	125 cc
INDUCTION	Keihin PWK38S/1
BORE	54 mm
STROKE	54.5 mm
COMPRESSION RATIO	8.2 - 10.1 : 1
IGNITION SYSTEM	CDI
STARTING SYSTEM	Kickstarter
LUBRICATION SYSTEM	Premix
TRANSMISSION	6-speed
CLUTCH	Wet, multiple-disc

OVERALL DIMENSIONS

LENGTH	2135 mm
WIDTH	825 mm
HEIGHT	1295 mm
SEAT HEIGHT	975 mm
WHEELBASE	1440 mm
WET WEIGHT	90 kg
FUEL TANK CAPACITY	8.0 l
ENGINE OIL QUANTITY	0.7 l

CHASSIS

FRAME TYPE	Aluminium semi double cradle
CASTER ANGLE	26°
TRAIL	109 mm
REAR FRAME:	Aluminium
SWINGARM	Aluminium with variable section and progressive link
RIMS	21x1.60 - 19x1.85
TYRES	80/100x21 - 110/90x19
BRAKES	Hydraulic disc ø270mm Hydraulic disc ø240mm
FRONT SUSPENSION	KYB ø48 mm, fully adjustable, wheel travel 300 mm
REAR SUSPENSION:	KYB, fully adjustable, wheel travel 315 mm



XX 250



ENGINE	
TYPE	Single-cylinder 2-strokes with intake reed valve and exhaust YPVS
DISPLACEMENT	249 cc
INDUCTION	Keihin ø38
BORE	66.4 mm
STROKE	72.0 mm
COMPRESSION RATIO	8.9 - 10.6 : 1
IGNITION SYSTEM	CDI
STARTING SYSTEM	Kickstarter
LUBRICATION SYSTEM	Premix
TRANSMISSION	5-speed
CLUTCH	Wet, multiple-disc

OVERALL DIMENSIONS

LENGTH	2185 mm
WIDTH	825 mm
HEIGHT	1290 mm
SEAT HEIGHT	970 mm
WHEELBASE	1485 mm
WET WEIGHT	98 kg
FUEL TANK CAPACITY	8.0 l
ENGINE OIL QUANTITY	0.8 l

CHASSIS

FRAME TYPE	Aluminum semi double cradle
CASTER ANGLE	27.7°
TRAIL	122 mm
REAR FRAME:	Alluminum
SWINGARM	Aluminum with variable section and progressive link
RIMS	21x1.60 - 19x2.15
TYRES	80/100x21 - 110/90x19
BRAKES	Hydraulic disc ø270mm Hydraulic disc ø240mm
FRONT SUSPENSION	KYB ø48 mm, fully adjustable, wheel travel 300 mm
REAR SUSPENSION:	KYB, fully adjustable, wheel travel 315 mm



XXF 250



ENGINE	
TYPE	Single-cylinder 4-strokes, liquid cooled, 4 valves, DOHC
DISPLACEMENT	250 cc
INDUCTION	Fuel Injection
BORE	77.0 mm
STROKE	53.6 mm
COMPRESSION RATIO	13.8: 1
IGNITION SYSTEM	TCI
STARTING SYSTEM	Electric starter
LUBRICATION SYSTEM	Wet sump
TRANSMISSION	5-speed
CLUTCH	5-speed

OVERALL DIMENSIONS

LENGTH	2135 mm
WIDTH	825 mm
HEIGHT	1295 mm
SEAT HEIGHT	975 mm
WHEELBASE	1440 mm
WET WEIGHT	90 kg
FUEL TANK CAPACITY	8.0 l
ENGINE OIL QUANTITY	0.7 l

CHASSIS

FRAME TYPE	Aluminum perimeter frame
CASTER ANGLE	26.5°
TRAIL	119 mm
REAR FRAME:	Aluminum
SWINGARM	Aluminum with variable section and progressive link
RIMS	21x1.60 - 19x1.85
TYRES	80/100x21 - 100/90x19
BRAKES	Hydraulic disc ø270mm Hydraulic disc ø240mm
FRONT SUSPENSION	KYB ø48 mm, fully adjustable, wheel travel 310 mm
REAR SUSPENSION:	KYB, fully adjustable, wheel travel 317 mm



XXF 450



ENGINE	
TYPE	Single-cylinder 4-strokes, liquid cooled, 4 valves, DOHC
DISPLACEMENT	450 cc
INDUCTION	Fuel Injection
BORE	97.0 mm
STROKE	60.8 mm
COMPRESSION RATIO	13.0: 1
IGNITION SYSTEM	TCI
STARTING SYSTEM	Electric starter
LUBRICATION SYSTEM	Wet sump
TRANSMISSION	5-speed
CLUTCH	Wet, multiple-disc

OVERALL DIMENSIONS

LENGTH	2185 mm
WIDTH	825 mm
HEIGHT	1285 mm
SEAT HEIGHT	965 mm
WHEELBASE	1485 mm
WET WEIGHT	111 kg
FUEL TANK CAPACITY	6.2 l
ENGINE OIL QUANTITY	0.9 l

CHASSIS

FRAME TYPE	Aluminium semi double cradle
CASTER ANGLE	26.5°
TRAIL	119 mm
REAR FRAME:	Aluminum
SWINGARM	Aluminum with variable section and progressive link
RIMS	21x1.60 - 19x2.15
TYRES	80/100x21 - 110/90x19
BRAKES	Hydraulic disc ø270mm Hydraulic disc ø240mm
FRONT SUSPENSION	KYB ø48 mm, fully adjustable, wheel travel 310 mm
REAR SUSPENSION:	KYB, fully adjustable, wheel travel 317 mm



**EXPERIENCE
THE PURE
ESSENCE
OF RIDING.**

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CONCEPT / REALITY



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