



FE 350

E n d u r o

Built upon a proven technical platform, the FE 350 bodywork offers rider contact points for greater control, even in the toughest of conditions. Highlighting the latest revision, striking dark blue and electric yellow graphics, along with a metallic blue frame, create a distinctive look that underlines the constant evolution of this established enduro machine. Assembled with quality, high-performance components throughout, the FE 350 is capable of competing at the highest level thanks to the premium Michelin enduro tyres, BRAKTEC brakes and clutch, and enduro-specific WP suspension.



O f f r o a d



Versatile power



Engine

When it comes to versatility, the DOHC 350 cc engine is second to none. By sharing much of its architecture with the engine found in the FE 250, the FE 350 delivers a fine balance between 450-rivaling power and lightweight 250 handling.



Cylinder head

The FE 350 features an advanced DOHC cylinder head layout meticulously engineered to deliver performance and reliability. Internally, the DOHC layout features polished camshafts and low-friction DLC coated finger followers. Together with the lightweight titanium valves - 36.3 mm intake and 29.1 mm exhaust - they aid in delivering optimal performance.

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Cylinder and piston

The 88 mm bore and 57.5 mm stroke cylinder features a compression ratio of 13.5:1 and a large diameter yet lightweight forged bridged-box-type piston. As a result, the low oscillating mass delivers exceptional power, high revs and a broadly usable power band.

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Crankshaft

The crankshaft is optimised for overall reliability to guarantee long service intervals of 135 hours. This has been made possible by a bushing-type bearing at the connecting rod and two force-fitted bearing shells at the big-end bearing. Additionally, an oil supply to the main bearing is integrated within the engine casing.

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State-of-the-art chassis



Frame

The chromium molybdenum steel frame is expertly crafted using laser-cut, robot-welded, hydro-formed tubes, ensuring the highest level of precision and quality. The specifically crafted geometry utilises advanced longitudinal and torsional flex characteristics, for unparalleled rider feedback, energy absorption and exceptional straight-line stability. The cylinder head mountings are made of forged aluminium, improving handling and comfort. The premium grey powder coated frame features standard frame protectors, providing extra durability.

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Composite carbon fibre subframe

The carbon composite subframe is unique to Husqvarna Motorcycles and showcases advanced production technology and innovation. Using 70% polyamide and 30% carbon fibre, the 2-piece subframe has a total weight of just over 1 kg. With the help of computational dynamics, specific rigidity was engineered into the light and robust subframe, delivering outstanding handling and rider comfort.

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Exhaust

The exhaust system is expertly designed to deliver class-leading performance at the lowest possible weight. The header pipe is designed and manufactured in two pieces, to be as compact as possible. The joining position allows it to be removed without having to take out the rear shock. Further innovation allows for a short, compact silencer without increasing noise levels. The component is crafted from lightweight aluminium and is stylishly finished off in a black coating that highlights its premium quality.

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Integrated cooling and radiators

The radiators are expertly crafted using high-strength aluminium with CFD (computational fluid dynamics) to channel air through the radiators more efficiently. The cooling system is intelligently integrated into the frame, eliminating the need for additional hoses. The large centre tube running through the frame reduces pressure at this point, allowing for a consistent coolant flow. Additionally, the radiators are mounted close to the centre of gravity for improved handling agility. A radiator fan is fitted as standard to keep engine temperatures low in all conditions.

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Race-winning setup



WP XPLOR front fork

The WP XPLOR 48 front fork is designed specifically for enduro riding. Its open cartridge layout has a spring in each leg with split damping functions. Compression damping in the left leg and rebound damping in the right. Adjustment is via easy-to-access clickers (30 clicks) on the top of each fork leg. The standard preload adjusters allow for easier adjustment without the use of tools. The fork's mid-valve piston delivers consistent damping, while the setting allows the fork to operate higher in the stroke for exceptional rider feedback and bottoming resistance. A new oil bypass in the outer tube reduces friction for a smoother, consistent travel through the stroke and a revised cartridge joint offers added damping performance.

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WP XACT rear shock

The WP XACT shock provides advanced damping characteristics to the range. New valve seals with reduced hardness offer improved shock feedback. The compact and lightweight shock features a pressure balance inside, ensuring consistent damping and superior rider comfort. Using the same linkage progression found in the Husqvarna Motocross range, the rear end sits low for improved control in extreme enduro conditions. The fully adjustable component delivers 300 mm rear wheel travel, as well as unrivalled traction, feeling and energy absorption.

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Hydraulic brakes

The highest level of quality is guaranteed with the new BRAKTEC braking system, offering the highest level of braking performance while being specifically tailored for enduro riding and delivering a sensitive and modulated feel. GSK wave disks (260 mm disc front and 220 mm rear) complete the high-quality braking package for complete confidence.

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Hydraulic clutch

The new high quality BRAKTEC clutch system guarantees even wear, reliable and near maintenance-free operation as well as perfect modulation in every condition. Meaning that play is constantly compensated so that the pressure point and function of the clutch remain identical in cold or hot conditions, as well as over time.

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Bodywork

The FE 350 features a bodywork which clearly showcases Husqvarna Motorcycles' progressive approach to offroad motorcycles while rugged grey and electric yellow accents provide a distinctive look and stylishly adorn the Swedish inspired design. The ergonomics are specifically tailored to deliver great comfort and control. As a result of extensive testing, the slim contact points make shifting between riding positions easier and allow the rider to flow with movement. The flat seat profile, together with the seat cover texture, deliver superior comfort and control in all conditions.

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Premium technology



Map switch and traction control

Designed for easy operation, the standard map switch selects between 2 EFI maps and activates the traction control feature. The TC (Traction Control) feature improves control on slick terrain. Traction Control can be switched on or off from the map switch. It functions by analysing throttle input from the rider and the rate at which the engine RPM increases. If the RPM increases too quickly, the EMS registers a loss of grip and reduces the amount of power to the rear wheel, ensuring maximum traction.

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Throttle body

The FE 350 features a 42 mm Keihin throttle body optimised for throttle response. The injector is positioned to ensure the most efficient flow into the combustion chamber while the throttle cable is mounted directly without a throttle linkage. This provides an immediate throttle response and improved feel.

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Electric start and wiring harness

The FE 350 comes standard with an electric starter. The system uses a compact and lightweight Li-Ion battery which is 1 kg lighter than a conventional battery. With several years of experience of developing and perfecting electric starting, the proven reliability on the Husqvarna enduro range is second to none, ensuring a quick and seamless start in any condition. Additionally, the wiring harness concentrates all needed electrical components into a common area below the seat for easy accessibility.

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Triple clamps

The black-anodized, CNC-machined triple clamps offer premium quality standard on all Husqvarna enduro models. They have a carefully calculated 22 mm offset and are designed to provide the perfect harmony between the frame dynamics and fork settings. Expertly crafted using superior techniques and materials, they provide the highest levels of quality and reliability. They also offer 2-way handlebar adjustment as standard, allowing for customisable ergonomics.

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FE 350

Specifications

Engine Type:	Single cylinder, 4-stroke
Displacement:	349.7 cc
Bore/stroke:	88/57.5mm
Transmission:	6 Gears
Fuel System:	Keihin EFI, throttle body 42 mm
Final Drive:	14:52 (13:52)
Cooling:	Liquid Cooling
Clutch:	DDS wet multi-disc clutch, BRAKTEC hydraulics
Frame:	Central double-cradle-type 25CrMo4
Subframe:	Carbon fibre reinforced polyamide
Front Suspension:	WP XPLOR-USD Ø 48 mm
Rear Suspension:	WP XACT-Monoshock with linkage
Front/Rear Brakes:	Disc Brake 260 / 220 mm
Front/Rear Tires:	90/90-21"; 140/80-18" Michelin Enduro
Seat Height:	950 mm
Tank Capacity:	9 l
Weight, w/o Fuel:	106.8 kg

