

READY TO RACE
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EN

SPORT MINICYCLES 2019

THE FASTEST START

2-STROKE 85 SX // 65 SX // 50 SX

KTM

CHARGE INTO THE BIG LEAGUES

GET AHEAD OF THE PACK

The KTM 85 SX offers a real sense of the big league of motocross. Every inch of this motorcycle adopts the proven design of the big bike range. Its factory-styled orange frame houses a lightweight and compact engine, delivering unrivalled performance and rideability. This mini warrior is the ultimate race weapon, ready to go out and conquer the podium.



BODYWORK AND GRAPHICS

By using the same touch points as the full size SX range, the bodywork on the KTM 85 SX has an ultimate performance-oriented feeling for young riders. The effect of the design is complete harmony between rider and bike, ensuring maximum freedom of movement and improved agility. The bodywork is fittingly finished off with aggressive, modern graphics, that confirm the bike's race-winning intentions.

CHASSIS AND SUSPENSION

KTM has successfully developed a chassis that handles the varied demands of 85 cc riders. Its lightweight, high-tech steel frame works in perfect harmony with the WP AER 43 fork and the WP XPLOR PDS (Progressive Damping System) rear shock absorber. With optimal flex characteristics, the frame offers excellent agility and high-speed stability, contributing to an intuitive ride like no other.



KTM 85 SX

ENGINE

Inside the KTM 85 SX is a compact, lightweight powerplant that contains the same race-winning technology as KTM's bigger 2-strokes. A hydraulically operated clutch makes it easy for young riders to use the class-leading power effectively, while working through the durable 6-speed gearbox on their way to the front.

ALL SET FOR DOMINATION

COMPACT POWER AND CONTROL

This full-on piece of race machinery is the ultimate bike for budding champions ready to step up. Featuring highly-capable WP suspension and the latest 2-stroke technology, the KTM 65 SX sets the standard in terms of power, riding dynamics and craftsmanship in its class. A truly READY TO RACE weapon for young competitors.



CLUTCH

One of the many outstanding highlights on the KTM 65 SX is the hydraulically operated clutch made by FORMULA. Its easy, well-defined action makes it ideal for young riders learning the art of torque and rev control.

ENGINE

The 65 SX benefits from KTM's renowned, cutting-edge 2-stroke technology. Its compact, lightweight engine structure delivers race-winning performance in the most effective way. A pressure controlled exhaust valve is a powerful feature of the cylinder and contributes to its class-leading power and torque.



AER 35 FORK

A lightweight, fully adjustable WP AER 35 air fork delivers exceptional front end control. With 215 mm of travel, the 35 mm upside-down fork provides outstanding comfort, damping characteristics and directional stability. A significant benefit for junior riders is that the air spring in the left fork leg can be adjusted perfectly to the rider's weight by simply using an air fork pump.



KTM 65 SX

A WINNING START

TRACK CONQUERING CONTROL

There is no mistaking that the KTM 50 SX is a full-blooded dirt bike, packed with top-quality components. It is a highly competitive choice for those stepping into the world of MX. Catering for the youngest motocross generation, it delivers steady, controllable power, with an automatic clutch that is ideal for novice riders. A revolutionary WP AER 35 front fork and fully adjustable rear suspension make going fast easy, fun and safe.



HIGH-END DISC BRAKES

Control is vitally important in the 50 cc class and with high-quality front and rear hydraulic brakes by FORMULA, no compromises have been made. Combined with lightweight wave discs, the complete braking setup ensures the best deceleration and the highest standard when it comes to safety.

ENGINE

Modern and extremely compact, this 2-stroke engine answers the demands of the sport's youngest competitors. An innovative 3-shaft design places the crankshaft close to the bike's centre of gravity, which not only benefits handling, but also allows for a flow optimized intake angle of the reed valve, ensuring maximum performance.

SUSPENSION

For future KTM SX stars, only the best quality will do, like the revolutionary WP AER 35 air fork and a fully-adjustable WP PDS rear shock. Working as a unit, they deliver the incredible handling in all conditions and confidence inspiring control.

KTM 50 SX



CLUTCH

A specially developed centrifugal multi-disc automatic clutch provides manageable acceleration, making this bike a race winner for all levels of ability. It can be quickly and easily adjusted to suit the specific requirements of the track or rider without using any special tools.



KTM 85 SX

KTM 65 SX

KTM 50 SX

ENGINE

ENGINE TYPE	Single cylinder, 2-stroke	Single cylinder, 2-stroke	Single cylinder, 2-stroke
DISPLACEMENT	84.9 cc	64.9 cc	49 cc
BORE / STROKE	47 / 48.95 mm	45 / 40.8 mm	39.5 / 40 mm
STARTER	Kickstarter	Kickstarter	Kickstarter
CARBURETOR	Keihin PWK 28	Mikuni VM 24	Dell'Orto PHBG 19 BS
CONTROL	Rotation speed dependent exhaust flap with sub-exhaust	Slide valve, exhaust gas pressure dependent	-
LUBRICATION	Mixture lubrication 1:40	Mixture lubrication 1:60	Mixture lubrication 1:60
TRANSMISSION OIL	Motorex Topspeed 4T 15W50	Motorex Topspeed 4T 15W50	Dextron III "Motorex ATF 3"
TRANSMISSION	6 gears	6 gears	Single gear automatic
GEAR RATIOS	11:29 14:28 16:26 19:26 21:25 20:21	13:37 16:34 18:31 21:30 23:28 24:26	14:31
PRIMARY RATIO	20:64	23:75	33:61
FINAL DRIVE	13:49	14:48	11:40
COOLING	Liquid cooling	Liquid cooling	Liquid cooling
CLUTCH	Wet multi-disc clutch, Formula hydraulics	Wet multi-disc clutch, Formula hydraulics	Centrifugal clutch (adjustable)
IGNITION	MEDJ digital	AET digital	Selettra 2p D36

CHASSIS

FRAME	Double grinded central double-cradle-type frame	Double grinded central double-cradle-type frame	Double grinded central double-cradle-type frame
SUBFRAME	Aluminum	Aluminum	Steel
HANDLEBAR	Tapered Aluminum, Ø 28/22 mm	Renthal, Aluminum Ø 22 mm	Renthal, Aluminum Ø 22 mm
FRONT SUSPENSION	WP Upside-Down Ø 43 mm (AER43)	WP Upside-Down Ø 35 mm (AER35)	WP Upside-Down Ø 35 mm (AER35)
REAR SUSPENSION	WP-PDS mono shock	WP mono shock	WP mono shock
SUSPENSION TRAVEL FRONT / REAR	278 / 305 mm	215 / 270 mm	205 / 185 mm
FRONT BRAKE	Disc brake Ø 240 mm	Disc brake Ø 198 mm	Disc brake Ø 160 mm
REAR BRAKE	Disc brake Ø 210 mm	Disc brake Ø 160 mm	Disc brake Ø 160 mm
FRONT / REAR RIMS	1.60 x 19"; 1.85 x 16" Alu	1.60 x 14"; 1.60 x 12" Alu	1.50 x 12"; 1.60 x 10" Alu
FRONT / REAR TIRES	70/100 x 19"; 90/100 x 16"	60/100 x 14"; 80/100 x 12"	60/100 x 12"; 2.75 x 10"
CHAIN	1/2 x 5/16"	1/2 x 1/4"	1/2 x 3/16"
SILENCER	Aluminum	Aluminum	Aluminum
STEERING HEAD ANGLE	66°	64.5°	66°
TRIPLE CLAMP OFFSET	14 mm	22 mm	22 mm
WHEEL BASE	1,290 mm ± 10 mm	1,137 mm ± 10 mm	1,032 mm ± 10 mm
GROUND CLEARANCE	362 mm	280 mm	252 mm
SEAT HEIGHT	890 mm	750 mm	684 mm
TANK CAPACITY, APPROX.	5.2 l	3.5 l	2.3 l
WEIGHT, READY TO RACE, WITHOUT FUEL, APPROX.	68 kg	53 kg	41.5 kg

INTENSIFY YOUR RIDE

STAY READY TO RACE

KTM PowerParts offer young riders the opportunity to maximize their ride to levels of unparalleled intensity, resetting the boundaries of possibility.



FACTORY START

- > CNC machined from high-strength aluminum
- > Prevents front wheel from lifting at the start
- > Ensures more traction on the rear wheel



HANDGUARD

- > Open version, attached directly at the levers with a special mounting
- > Black mid section = maximum strength
- > Colored top and bottom parts = highly flexible, enduring even the roughest of treatment



OUTER CLUTCH COVER

- > CNC machined from highest quality aluminum
- > Withstands toughest treatment
- > Original factory look



FMF POWERCORE 2 SILENCER

- > Outer sleeve manufactured from high-grade aluminum
- > Full sound despite low noise level
- > Lightweight, perfect fit, easy to install

WORN WITH INTENT

SUIT UP TO RIDE THE LIMIT

KTM PowerWear is developed with the uncompromising freedom of movement and superior protection for young riders intent on pushing the limits. In the pursuit of excellence, refined function gives future stars the crucial edge.

**KIDS BUZZ PRO GOGGLES**

- > Fog-free lens thanks to NoFog™ technology
- > Headband with adhesive silicon strips
- > Twin-layer foam for excellent fit

**KIDS DYNAMIC-FX HELMET**

- > Kids specific helmet shell
- > Dual-density EPS inner shell
- > Fibreglass outer shell

KIDS POUNCE PANTS

- > Fully ventilated mesh inner lining for maximum air circulation and cooling in extreme conditions
- > Heatproof and abrasion-resistant leather knee reinforcement
- > Double and triple-reinforced seams for maximum durability

KIDS POUNCE SHIRT

- > Breathable, finely ventilated PE fabric
- > Dual-mesh panels under the arms

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READY TO RACE
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KTM FINANCE*

Financing your ride couldn't possibly be any easier. With KTM's financial partner, finding yourself seated on the bike of your dreams is simpler than you could've ever imagined. Motorcycle-specific, individually tailored financial solutions enable you to race off in no time. Contact your authorized KTM dealer for more information.

LEGAL DISCLAIMER

Do not imitate!
The riders illustrated are professional motorcycle riders. The photos were taken on closed racing circuits or closed roads. KTM wishes to make all motorcyclists aware that they need to wear the prescribed protective gear and always ride in a responsible manner in accordance with the relevant and applicable provisions of the road traffic regulations.

The motorcycles advertised in this brochure are not suitable for use in road traffic. The warnings and hazard notices in the owner's manual must be observed without fail when purchasing a motorcycle and using it for the first time (especially the prescribed speed limits). Some items in the KTM PowerParts product line are not approved for use on public roads in certain circumstances (varies from country to country). Please contact your KTM dealer for further information. The illustrated vehicles may vary in selected details from the production models and some illustrations feature optional equipment available at additional cost. All information concerning the scope of supply, appearance, services, dimensions and weights is non-binding and specified with the proviso that mistakes, printing, setting and typing errors may occur; such information is subject to change without notice. Please note that model specifications may vary from country to country.

* KTM Finance might not be available for all markets. Please ask your local authorized KTM dealer about the offers and conditions in your country.

KTM SPORTMOTORCYCLE GMBH
5230 Mattighofen, Austria
www.ktm.com



KTM
AUTHORIZED DEALER



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