

X-BOW R | X-BOW RR

READY TO RACE
www.ktm.com

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X-BOW



KTM

Revolutionary. Pure. Radical. In the form of the production version of the X-BOW, Austrian manufacturer KTM presented its interpretation of an super sports car for the 21st century in 2008. “We wanted to take Colin Chapman’s idea of a spartan, lightweight sports car reduced to the bare essentials and transfer it into the new millennium – with as many technological innovations as possible,” says KTM CEO Stefan Pierer. »



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HIGH PERFORMANCE
... ON RACETRACK AND ROAD

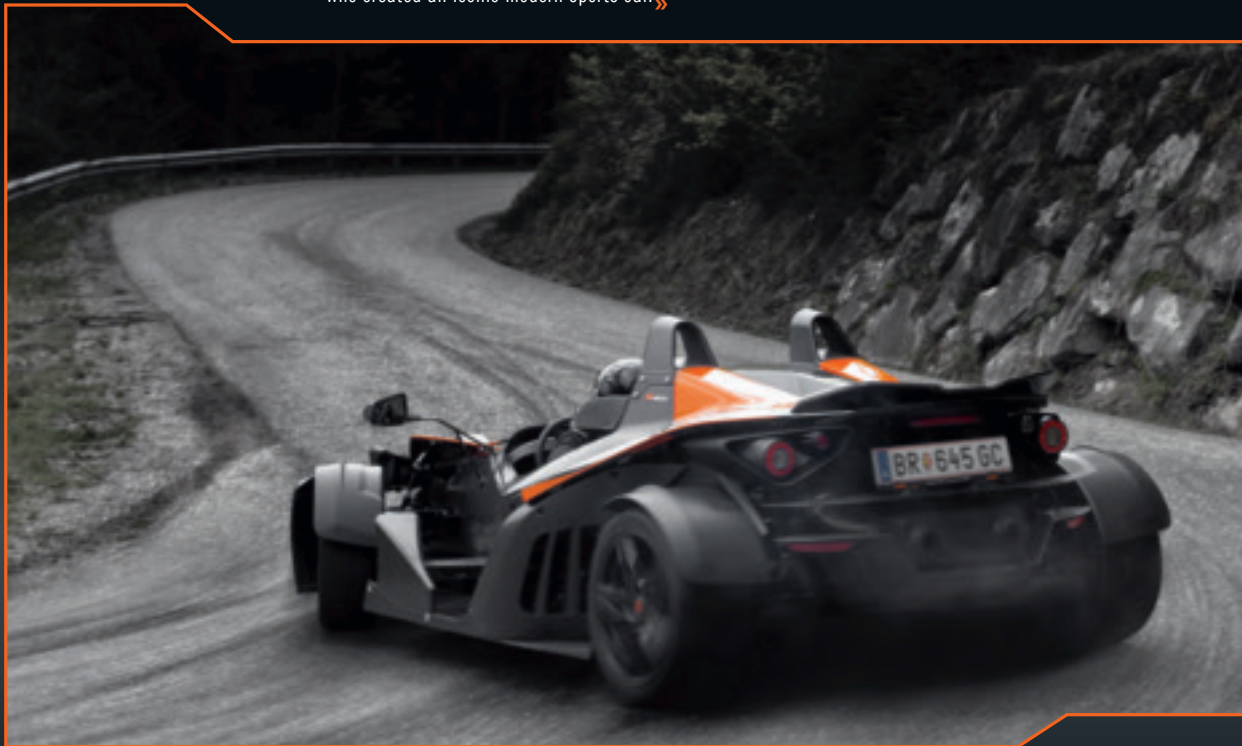


300 HP

2.6 KG / HP

X-BOW^R

Together with the specialists at Italian sports car manufacturer Dallara, the composites experts Wethje, the think-tank KTM Technologies and engine partner Audi, what is probably the most exciting super sports car of our times was produced in only 18 months. The extraordinary styling came from Gerald Kiska and his team of designers, who created an iconic modern sports car.»



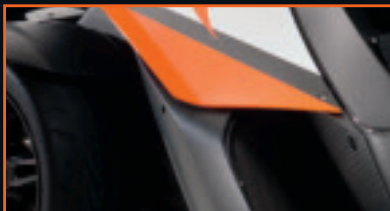
EDGED AND UNIQUE

CONCENTRATION ... ON THE ESSENTIALS

READY TO RACE – this not only applies to KTM motorcycles, but also to the X-BOW.
When developing the “R”, we focussed on improving both performance data and overall performance. Even more extreme, even faster and even more impressive. The result is quite outstanding.»



X-BOW R



Form follows function. The KTM X-BOW R has been designed down to the very last detail as an uncompromising driving machine. Many of the conventional elements aimed purely at comfort have been omitted. Dispensation with a roof

and the windscreen as well as omission of air-conditioning and entertainment systems all takes a little getting used to. But it allows concentration on the most important aspect: the driving experience! »



DESIGNED FOR RACING

CARBON MONOCOQUE ... SAFETY AND PERFORMANCE

The KTM X-BOW is the world's first production vehicle to boast a monocoque made completely from composite carbon fibre material – a trailblazing and pioneering technology, previously reserved exclusively for racing vehicles. Together with Dallara, the specialists at KTM Technologies succeeded in adapting this technology for application in series production. »



CRASH BOX

The crash box at the nose of the vehicle provides for additional safety. Thanks to its carbon-aluminium sandwich construction, it even complies with the strict safety regulations of the FIA-GT and Formula 3.



COMPOSITE



MONOCOQUE

Four layers of carbon fibre, epoxy resin, elaborate handiwork, autoclave technology: All come together to produce the twin-wall, two-part, extremely lightweight, carbon monocoque, which is manufactured by composite-fibre specialist Wethje in Germany. The result is a carbon-

fibre construction that provides highest levels of safety, but only weighs 80 kilogrammes – with an unbelievably high torsional stiffness of 35.000 Nm/rad.



ROLL BARS

In the event of a rollover, optimum protection is guaranteed by the aluminium roll bars integrated in the monocoque. They withstand loads of up to 2.5 times the weight of the vehicle.

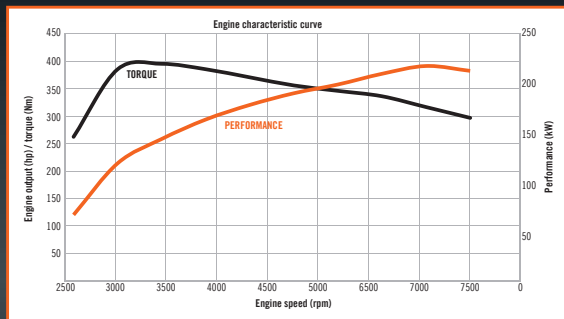


BELTS

Driver and passenger are protected by a four-point (also six-point upon request) safety belt from Schroth, which is also used in racing.

AUDI ENGINE TECHNOLOGY ... PERFORMANCE AND EFFICIENCY

The rear end of the KTM X-BOW R accommodates a 300 hp, 2.0-litre TFSI engine from premium manufacturer Audi. The state-of-the-art power unit works with gasoline direct injection and combines the dynamics of turbocharging with highly effective charge air cooling. Alongside outstanding power and torque characteristics, the four-cylinder engine surprises above all with its minimal fuel consumption: only 8.3 litres per 100 km in the MVEG cycle. »



TORQUE CURVE

The engine achieves its maximum torque of 400 Nm at a speed of only 3,300 rpm – thereby making, in the truest sense of the phrase, “very light work” of the KTM X-BOW R, which tips the scales at a mere 790 kg. The maximum power output of 300 hp is attained at 6,300 rpm.





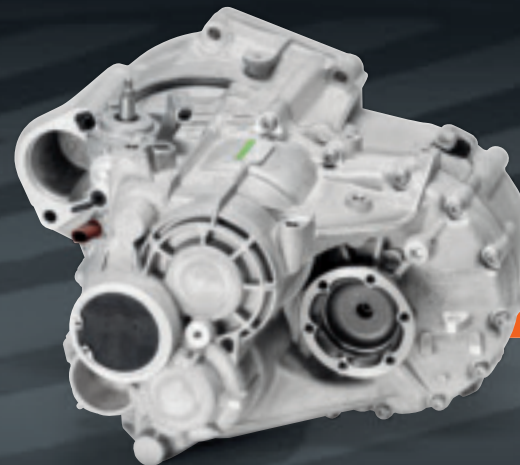
FRAME

The aluminium spaceframe is the central supporting element for the engine/gearbox assembly. It has been possible to lower the whole unit by 19 millimetres, thereby lowering the KTM X-BOW R's already impressively low centre of gravity by another 15 millimetres. As a direct consequence, even greater lateral acceleration forces and even higher cornering speeds are possible.



TORQUE SUPPORT

The extreme forces of the engine are cushioned in the KTM X-BOW R by a torque support, which is mounted directly on the carbon monocoque.



TRANSMISSION

Tried and tested in series production, but tuned optimally to the KTM X-BOW R: The manual 6-speed gearbox from Audi always has the right gear available – furthermore, it is equipped with an additional short-shifting movement. The Drexler limited slip differential that comes as standard guarantees optimum propulsion in every curve.

400 Nm TORQUE

RACING EXPERTISE ... FOR THE ROAD



SUSPENSION COMPONENTS

In conjunction with the special tyre mix from exclusive partner Michelin and as the last link in a very long chain, the springs and dampers from WP Suspension ensure optimum contact with the road surface. On the front axle, the pushrod chassis - derived directly from the world of formula racing - features compression damping with high and low-speed settings as well as adjustable rebound damping. All these setting options are also available on the rear axle, although here the spring/damper unit is directly attached to the wheel mounting.



BRAKES

To counteract its extreme driving power, the KTM X-BOW R offers the same level of braking power. The Brembo brake system employs a four-piston, fixed-calliper brake on the front axle, with an internally ventilated, slotted disc measuring 305 mm in diameter; the rear unit is a two-piston, fixed-calliper brake with a diameter of 262 mm. The X-BOW therefore only needs 32.9 metres to brake from 100 km/h to 0.

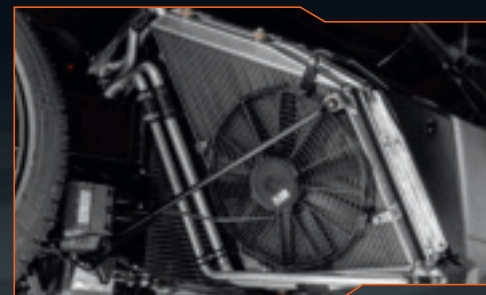


TYRES / MICHELIN PILOT SPORT 3

A high-performance tyre that combines energy efficiency and durability with extraordinary driving pleasure. Moreover, cornering has been improved even further compared with its predecessor and the braking distance in the wet has been reduced by up to 3 metres.

The KTM X-BOW R combines outstanding technical solutions from the racing world with high-quality products from KTM. Examples include the high-performance radiators and charge-air cooler from WP Radiator, the spring/damper units from WP Suspension, the exhaust system from KTM and the concept for the ingenious aerodynamics from KTM Technologies and Dallara. One look underneath the X-BOW reveals the three-piece, completely flat, racing underbody derived from formula racing vehicles. Almost 200

kilogrammes of downforce are generated at 200 km/h thanks to the front splitter, underbody and rear diffuser and close to 400 kilogrammes with the aerodynamics packages that have been developed exclusively for the KTM X-BOW R. Depending on the tyres, up to 2.0 g of lateral acceleration are possible – more than with any other street-legal production vehicle. »



HIGH-PERFORMANCE RADIATORS

The generously dimensioned, high-performance radiators on the KTM X-BOW are a match for any task. As a result, neither the engine cooling system nor that for the charge-air cooler need to be enlarged for use in racing.



REAR DIFFUSER

Air flows optimally into the rear diffuser, which ensures distribution of pressure in the underbody thanks to its asymmetric design. It generates a large part of the downforce.

RACE-APPROVED

KTM X-BOW R/RR ... PERFORMANCE UPGRADES

Naturally, there's an extensive range of accessories for the KTM X-BOW R. Above all, for those X-BOW owners who like to put their vehicle through its paces on the racetrack – whether it be in the KTM X-BOW BATTLE or at other events – the KTM PowerParts range provides plenty of options. »

AERO PACKAGE 3 - REAR SPOILER

The carbon rear spoiler is attached to the original spoiler. It is individually adjustable to three different levels (low, mid, high).

SPORTS EXHAUST

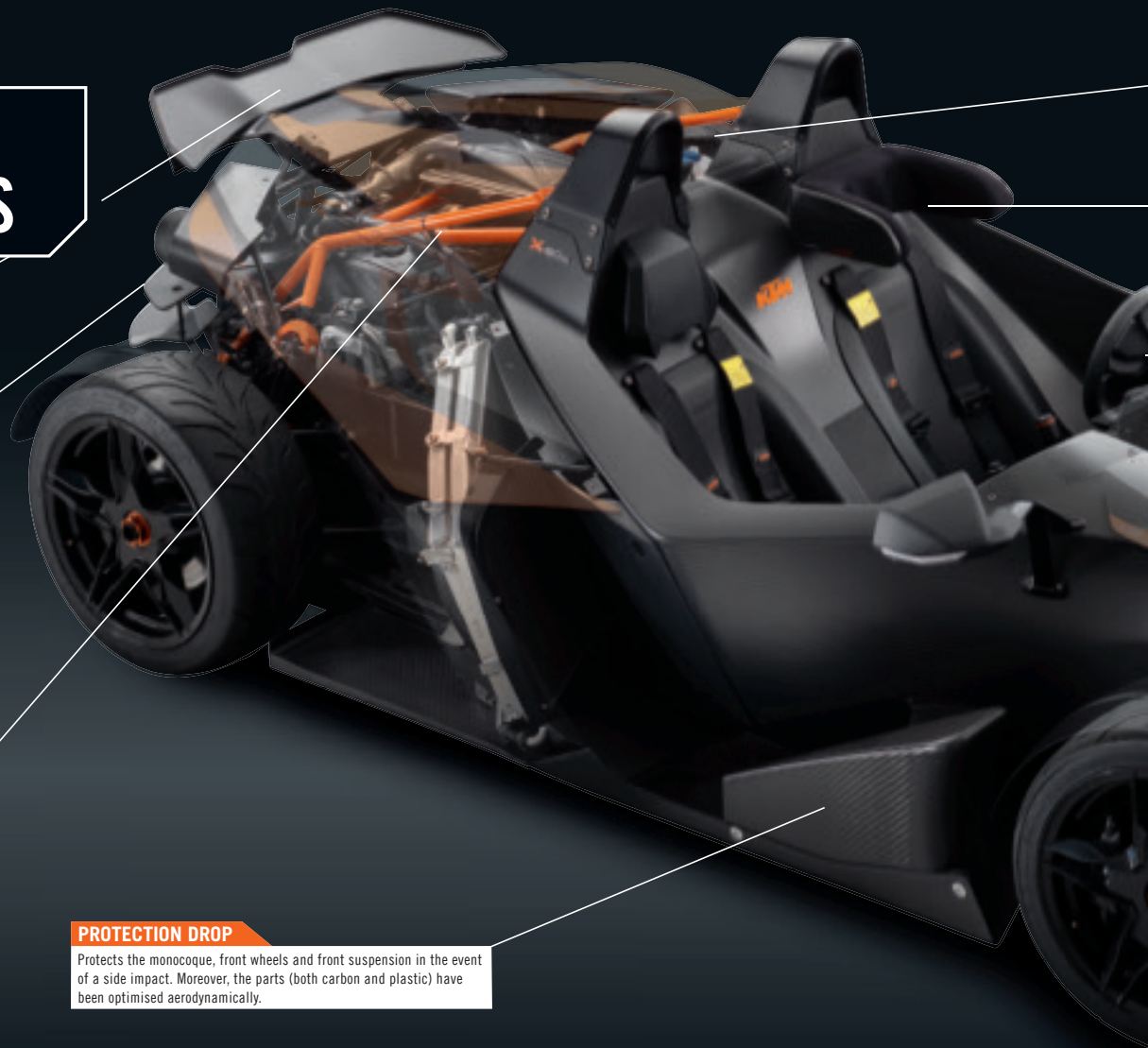
This much sound is a must: The sports exhaust system for the KTM X-BOW RR is simple to assemble and coordinates the tone of the vehicle with its spectacular appearance.

PERFORMANCE PACKAGE 2

An extremely stable, ultra-light, steel tubular space frame provides for even greater torsional stiffness at the rear end of the vehicle. The carbon air filter box is flow-optimised, thereby improving the responsiveness of the turbocharger.

PROTECTION DROP

Protects the monocoque, front wheels and front suspension in the event of a side impact. Moreover, the parts (both carbon and plastic) have been optimised aerodynamically.



LIGHTWEIGHT



RACING AIRBOX

The second evolutionary stage of the GT4 airbox. Thanks to its flat construction, the carbon airbox improves aerodynamics and delivers higher final velocities.

RACING HEADREST

Developed exclusively for use on the KTM X-BOW in GT4 race events. The carbon racing headrest guarantees even greater safety and stability for the driver.

SUEDE STEERING WHEEL

The dark grey, full-grain leather steering wheel not only looks good: in tough track day or racing use, it provides optimum grip in every situation.

AERO PACKAGE 2 - FRONT HOOD SPOILER & FLICS

The front hood spoilers optimise air flow around the front wheels; the flics reduce understeer on the racetrack. All parts are made from carbon.

AERO PACKAGE 1 - FRONT SPLITTER & FINS

Not only do the additional front splitter and two carbon air guide vanes improve air flow into the radiators, above all they increase the downforce acting on the front axle.

YOU CAN FIND ALL PERFORMANCE UPGRADES AT
www.ktm.com/xbow



THE KTM X-BOW RR ... THE ULTIMATE WEAPON IN THE FIGHT FOR ONE HUNDREDTHS



GET ON THE TRACK



Horses from Maranello? Steeds from Zuffenhausen? Stars from Stuttgart? Bulls from Sant'Agata? Or rather three letters from Mattighofen? If you want to take on the best, you need to be well prepared. Just like our factory driver Reinhard Kofler, who acquainted himself with the KTM X-BOW RR during the 2012 motorsports season and celebrated incredible successes against supposedly superior opponents. »



RACETRACK ONLY



The KTM X-BOW RR is the essence of all the experience that KTM has gained since 2008 in the widest variety of motorsports events around the globe. Tuned uncompromisingly for victory, almost limitlessly customisable, alarmingly fast for its opponents – and still surprisingly affordable. Depending on the configuration level, the “RR” can be the

perfect vehicle for KTM’s own one-make cup (“KTM X-BOW BATTLE”) or an extremely awkward rival for the aforementioned international competitors. Talk to the specialists from our Motorsport department, who do their best to fulfil every customer request – after all, they’re always **READY TO RACE** as well! »



FURTHER INFORMATION AND REGISTRATION AT:
www.x-bow-battle.at



THE KTM X-BOW BATTLE ... CUSTOMER RACING DONE DIFFERENTLY

Would you like to pit yourself against other X-BOW owners on the racetrack? Then the KTM X-BOW BATTLE is precisely the place for you. But don't worry: The "Battle" is not merely another one-make cup; it is more like one big family, whose members take childlike pleasure in racing and in their vehicles. The good-natured feeling of togeth-

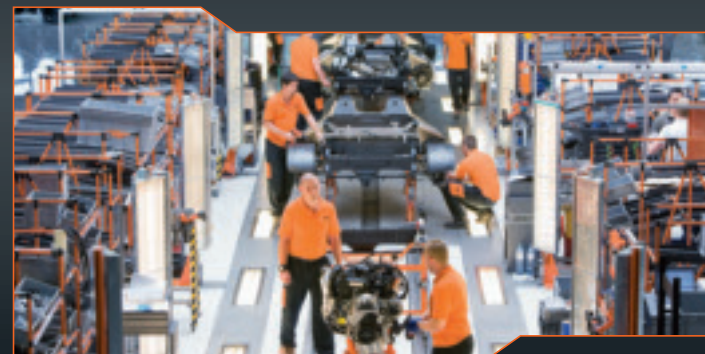
ness in the paddock is at least as important here as performance on the racetrack. Opposition – with the necessary respect – is only to be found on the racetrack. Everywhere else, everyone is happy to socialise and talk shop together. Don't miss out on this experience. »



PRODUCED PERFECTLY ... BY HAND



The KTM X-BOW has been manufactured in a special-purpose plant in Graz since June 2008. One of the world's most modern vehicle limited-production facilities was built in a matter of months here in accordance with the latest standards. At the same time, KTM developed ingenious warehousing, special transport logistics (including specially designed transport containers for the valuable carbon-fibre parts) and special assembly technologies. Around 100 examples of the KTM X-BOW are produced with the greatest precision every year by a small team of specialists. However, despite the revolutionary nature of what is probably the most extraordinary super sports car of our times, it is still assembled by hand: Every X-BOW is built with the greatest of care and specific know-how, in compliance with the strictest quality criteria. The whole factory is of course certified according to ISO standards. Moreover, each operation is recorded and logged electronically – even the torque values of every single tightened bolt are automatically archived. So it's not surprising that the vehicles, which have been sold all around the world, continue to impress the exclusive circle of X-BOW owners with lasting effect. »



POWERWEAR ... DRESSED TO RACE

KTM gives its undivided attention not only to the X-BOW, but also to its drivers, who are best prepared for every situation in their KTM PowerWear. Alongside fashionable, X-BOW-branded leisurewear, there is also a wide range of special functional clothing to maintain the ultimate level of driving pleasure in spring, autumn or even winter as well. And for all those who drive the X-BOW on the racetrack, KTM naturally has helmet, driver's overalls, gloves and racing shoes at hand in the X-BOW style. »



X-BOW RACING HELMET GP-5W



X-BOW RACING SUIT GP PRO



X-BOW CAP



X-BOW RACING GLOVES WINS TOP



X-BOW RACING SHOES COMP

WEBSITE AND IMPORTERS ... CONTACT KTM!

Have we aroused your interest? Talk to us. Not only do we look forward to hearing your requests, desires and wishes, but also your criticism. You can contact KTM-Sportmotorcycle AG directly – or talk to one of our numerous importers and service partners. You'll also find further information on our website. »

WWW.KTM.COM/XBOW



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IMPORTERS & SERVICE PARTNERS

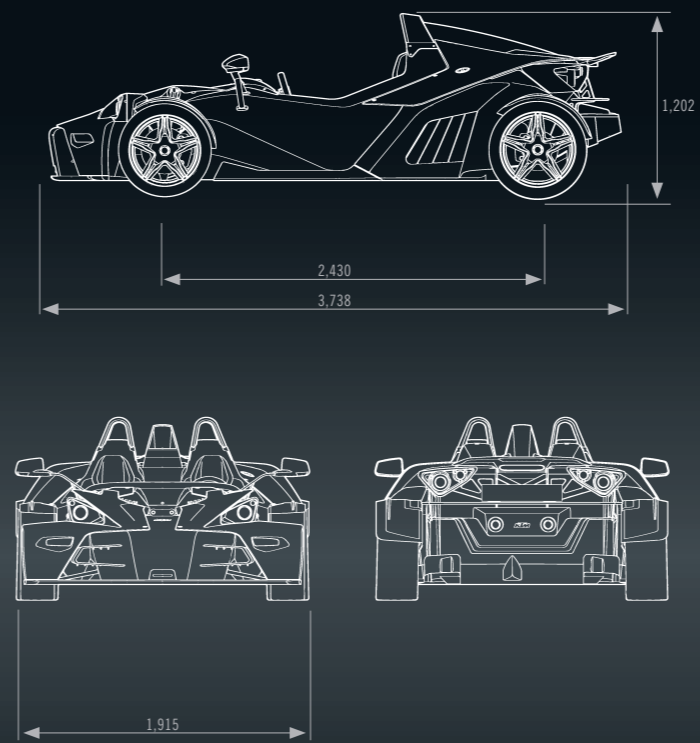
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300 HP

THE KTM X-BOW R ... SUPER SPORTS CAR TECHNOLOGY FOR THE 21ST CENTURY



VEHICLE DIMENSIONS



TECHNICAL DATA

ENGINE	R	RR
Type	In-line 4-cylinder gas engine with direct injection, exhaust turbocharging with charge-air cooling	
Displacement	1,984 cc	1,984 cc
Performance	220 kW (300 hp) @ 6,300 rpm	Depending on specification
Max. torque	400 Nm @ 3,300 rpm	Depending on specification
Valves	4/cylinder, DOHC	4/cylinder, DOHC
Fuel consumption	8.3 l/100 km	Depending on specification
CO ₂ -emission	189 g/km	Depending on specification
CHASSIS		
Length x Width x Height	3,738 x 1,915 x 1,202 mm	3,738 x 1,915 x 1,202 mm
Wheelbase	2,430 mm	2,430 mm
Turning radius	10.8 m	10.8 m
Wheeltrack front / rear	1,672 / 1,626 mm	1,672 / 1,626 mm
Power train	Rear wheel drive with mechanical limited-slip differential	
Transmission	6-speed gearbox, manual	
Brake system	Sport braking system with Brembo calipers and internally ventilated brake discs 305 mm / 262 mm (front / rear)	
Tyres front / rear	205/40 R17 / 255/35 R18	215/45 R17 / 255/35 R18
Height of center of gravity	380 mm	380 mm
Fuel tank capacity	40 l	40 l
Weight excl. fuel	790 kg	810 kg
MISCELLANEOUS		
Max. speed	231 km/h	Depending on specification
Acceleration 0-100 km/h	3.9 s	Depending on specification
Deceleration 100-0 km/h	32.9 m	32.9 m
Aerodynamic downforce 100 km/h	48 kg	Depending on specification
Aerodynamic downforce 200 km/h	193 kg	Depending on specification
Lateral acceleration	> 1.5 g (road tires)	> 2.0 g (semi-slicks)
Static weight distribution (front / rear)	37:63	37:63

TECHNICAL DATA FOR THE X-BOW RR VARY SUBJECT TO THE SPECIFICATION.

READY TO RACE
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X-BOW

www.ktm.com/xbow



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Are you looking for your own driving experience with the KTM X-BOW?
All the national contact data for KTM and KTM partners can be found
on the KTM X-BOW website:
www.ktm.com/xbow

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The driving scenes shown in this folder were shot on closed roads and performed by professional drivers. We expressly warn against any attempt to imitate these manoeuvres. The warnings and hazard notices in the owner's manuals must be observed without fail when purchasing this vehicle. All technical data represent non-binding information, believed to be correct at the time of printing. This information is subject to change without notice. Some illustrations feature optional equipment and motorsports components that are not homologated for road use.

Version February 2013

The KTM X-BOW is not available in the USA, Canada or Mexico.



KTM POWERPARTS

KTM POWERWEAR

KTM FINANCE

