

Frame	Double cradle of chromium molybdenum steel tubes, powder-coated
Wheel suspension	
Front	Single wheel suspension with double transverse control arm
Rear	Rigid axle
Suspension travel	
Front	244 mm (9.61 in)
Rear	258 mm (10.16 in)
Fork offset	
Front	50 mm (1.97 in)
Toe	
Front	0 mm (0 in)
Camber	
Front	0°
Toe width	
Front	1,265 mm (49.8 in)
Rear	1,265 mm (49.8 in)
Wheelbase	1,280±10 mm (50.39±0.39 in)
Turning radius	5,685 mm (223.82 in)
Fording depth	305 mm (12.01 in)
Seat height unloaded	795 mm (31.3 in)
Ground clearance unloaded	265 mm (10.43 in)
Weight	
Fuel tank empty	165 kg (364 lb.)
Fuel tank full	173 kg (381 lb.)

TECHNICAL DATA - CHASSIS

Maximum allowable axle load	
Front	144 kg (317 lb.)
Rear	149 kg (328 lb.)
Maximum permissible overall weight	293 kg (646 lb.)
Vehicle length	1,810 mm (71.26 in)
Vehicle width	1,265 mm (49.8 in)
Vehicle height	1,100 mm (43.31 in)
Brake system	
Front	Disc brakes, brake calipers fixed, 4 brake pistons per brake caliper
Rear	Disc brake, brake caliper floating, 1 brake piston
Brake discs - diameter	
Front	180 mm (7.09 in)
Rear	200 mm (7.87 in)
Brake discs - wear limit	
Front	3.5 mm (0.138 in)
Rear	3.5 mm (0.138 in)
Tire air pressure off road	0.3 bar (4 psi)
Rim	
Front	5x10" DWT Al 6061
Rear	8x8" DWT Al 6061
Rear wheel gearing	14:38
Chain	5/8 x 1/4"
Rear sprockets available	37, 38, 39

4Ah battery	YTX5L-BS	Battery voltage: 12 V Nominal capacity: 4 Ah maintenance-free
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Lighting equipment


Headlight	BA20d	12 V 35/35 W
Parking light	W2,1x9,5d	12 V 5 W
Indicator lights	W2,1x4,6d	12 V 1.2 W
Brake / tail light	LED	

Tires

Front tire	Rear tire
20 x 6.00 - 10 MAXXIS Razr MX-931	18 x 10.00 - 8 MAXXIS Razr MX-932
For further information, see the Service section under: http://www.ktm.com	

Capacity - fuel


Total fuel tank capacity approx.	10.3 l (2.72 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ p. 193)
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Shock absorber part number	03.18.7E.16
Shock absorber	WP Suspension 3612 BAVP DCC
Compression damping, high-speed	
Comfort	2 turns
Standard	2 turns
Sport	1.5 turns
Compression damping, low-speed	
Comfort	24 clicks
Standard	22 clicks
Sport	24 clicks
Rebound damping	
Comfort	23 clicks
Standard	21 clicks
Sport	19 clicks
Cross over	19±1.5 mm (0.75±0.059 in)
	<div style="border: 1px solid black; padding: 5px;">  Info Measured with no preload on the main spring. </div>
Spring preload	5 mm (0.2 in)
Spring rate, main spring	24... 29 N/mm (137... 166 lb/in)
Spring rate, auxiliary spring	40 N/mm (228 lb/in)
Spring length, main spring	275 mm (10.83 in)
Spring length, auxiliary spring	60 mm (2.36 in)
Fitted length	463 mm (18.23 in)

TECHNICAL DATA - FRONT SHOCK ABSORBER

Gas pressure	10 bar (145 psi)
Shock absorber oil	Shock absorber oil (SAE 2.5) (50180342S1) (☛ p. 192)

TECHNICAL DATA - REAR SHOCK ABSORBER

Shock absorber part number	15.18.7E.16
Shock absorber	WP Suspension PDS 4618 BAVP DCC
Compression damping, high-speed	
Comfort	2 turns
Standard	2 turns
Sport	1.5 turns
Compression damping, low-speed	
Comfort	22 clicks
Standard	20 clicks
Sport	18 clicks
Rebound damping	
Comfort	18 clicks
Standard	16 clicks
Sport	14 clicks
Cross over	19±1.5 mm (0.75±0.059 in)
	 Info Measured with no preload on the main spring.
Spring preload	
Comfort	3 mm
Standard	5 mm
Sport	5 mm
Spring rate, main spring	82 N/mm (468 lb/in)
Spring rate, auxiliary spring	100 N/mm (571 lb/in)

TECHNICAL DATA - REAR SHOCK ABSORBER

Spring length, main spring	200 mm (7.87 in)
Spring length, auxiliary spring	55 mm (2.17 in)
Fitted length	440.5 mm (17.342 in)
Gas pressure	10 bar (145 psi)
Shock absorber oil	Shock absorber oil (SAE 2.5) (50180342S1) (☛ p. 192)

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Remaining nuts, chassis	M6	15 Nm (11.1 lbf ft)	–
Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)	–
Screw on fuel tank	M6	6 Nm (4.4 lbf ft)	–
Screw, clamping nut, rear axle	M6	10 Nm (7.4 lbf ft)	–
Screw, foot brake cylinder	M6	7 Nm (5.2 lbf ft)	Loctite® 243™
Remaining nuts, chassis	M8	30 Nm (22.1 lbf ft)	–
Remaining screws, chassis	M8	25 Nm (18.4 lbf ft)	–
Screw, bearing support, steering	M8	25 Nm (18.4 lbf ft)	–
Screw, front brake caliper	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, front brake disc	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	–
Screw, rear brake caliper	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, rear brake disc	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, rear wheel eccentric element	M8	20 Nm (14.8 lbf ft)	–
Screw, steering bridge	M8	20 Nm (14.8 lbf ft)	–
Screw, subframe	M8	35 Nm (25.8 lbf ft)	Loctite® 243™
Engine bracket screw	M10	60 Nm (44.3 lbf ft)	–
Engine carrying screw	M10	60 Nm (44.3 lbf ft)	–
Nut, handlebar support	M10	45 Nm (33.2 lbf ft)	–
Remaining nuts, chassis	M10	50 Nm (36.9 lbf ft)	–
Remaining screws, chassis	M10	45 Nm (33.2 lbf ft)	–
Screw, A-arm bottom	M10x70	45 Nm (33.2 lbf ft)	–
Screw, A-arm top	M10x52	45 Nm (33.2 lbf ft)	–
Screw, footrest	M10	45 Nm (33.2 lbf ft)	–

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Screw, front shock absorber	M10	45 Nm (33.2 lbf ft)	–
Screw, steering column at bottom of steering lever	M10	25 Nm (18.4 lbf ft)	–
Nut, ball head, A-arm top	M10x1.25	35 Nm (25.8 lbf ft)	–
Nut, rear sprocket screw	M10x1.25	45 Nm (33.2 lbf ft)	Loctite® 243™
Nut, tie rod end	M10x1.25	45 Nm (33.2 lbf ft)	–
Wheel nut	M10x1.25	45 Nm (33.2 lbf ft)	–
Nut, front wheel hub	M12	70 Nm (51.6 lbf ft)	–
Screw, rear bottom shock absorber	M12	70 Nm (51.6 lbf ft)	–
Screw, rear top shock absorber	M12	60 Nm (44.3 lbf ft)	–
Lock nut, tie rod, inside	M12LHx1.25	20 Nm (14.8 lbf ft)	–
Lock nut, tie rod, outside	M12x1.25	20 Nm (14.8 lbf ft)	–
Nut, A-arm top	M12x1.25	30 Nm (22.1 lbf ft)	–
Nut, ball head, A-arm bottom	M12x1.5	40 Nm (29.5 lbf ft)	–
Nut, swingarm pivot	M16x1.5	100 Nm (73.8 lbf ft)	–
Nut, rear wheel hub	M18x1.5	130 Nm (95.9 lbf ft)	–
Screw, steering column, bottom	M20x1.5	40 Nm (29.5 lbf ft)	–
Screw, steering column, top	M20x1.5	25 Nm (18.4 lbf ft)	–
Clamping nut, rear axle	2"-10UNS-2B-LH	25 Nm (18.4 lbf ft)	Only applies when using: Open-end wrench accessory 46mm (83019010461)