

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	275 mm (10.83 in)
Rear	272 mm (10.71 in)
Fork offset	
Front	46 mm (1.81 in)
Toe	
Front	0 mm (0 in)
Camber	
Front	0°
Toe width	
Front	1,115 mm (43.9 in)
Rear	1,148 mm (45.2 in)
Wheelbase	1,280±10 mm (50.39±0.39 in)
Turning radius	5,625 mm (221.46 in)
Fording depth	330 mm (12.99 in)
Seat height unloaded	820 mm (32.28 in)
Ground clearance unloaded	290 mm (11.42 in)
Weight	
fuel tank empty	163 kg (359 lb.)
fuel tank full	173 kg (381 lb.)

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	
1,148 mm (45.2 in)	
Vehicle height	
1,125 mm (44.29 in)	
Brake system	
Front	Disc brakes, brake calipers fixed, 4 brake pistons per brake caliper
Rear	Disc brake, brake caliper floating, 1 brake piston
Diameter of brake discs	
Front	180 mm (7.09 in)
Rear	200 mm (7.87 in)
Wear limit of brake discs	
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	8x9" DWT Al 6061
Rear wheel gearing	
14:38	
Chain	
5/8 x 1/4"	
Rear sprockets available	
36, 37, 38, 39	

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

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
21 x 7.00 - 10 MAXXIS Razr M-931	20 x 11.00 - 9 MAXXIS Razr M-932
For further information, see the Service section under: http://www.ktm.com	

Capacity - fuel

Total fuel tank capacity approx.	13.4 l (3.54 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ p. 196)
Fuel reserve approx.	3 l (3 qt.)	

Shock absorber type	36PRC
Setting number	KT 8700
Compression damping	
Standard	15 clicks
Maximum deviation from standard value	-5... 5 clicks
Rebound damping	
Standard	20 clicks
Maximum deviation from standard value	-5... 5 clicks
Cross over	14±1.5 mm (0.55±0.059 in)
Clip position, spring preload	
Standard	8th position from top
Corresponds to a spring preload of	9 mm (0.35 in)
Spring preload	9 mm (0.35 in)
Spring rate, main spring	21... 30 N/mm (120... 171 lb/in)
Spring rate, auxiliary spring	30 N/mm (171 lb/in)
Spring length, main spring	275 mm (10.83 in)
Spring length, auxiliary spring	60 mm (2.36 in)
Fitted length	460 mm (18.11 in)

TECHNICAL DATA - REAR SHOCK ABSORBER

191

Shock absorber type	46PRCQ
Setting number	KT 8710
Compression damping	
Standard	17 clicks
Maximum deviation from standard value	-5... 5 clicks
Rebound damping	
Standard	15 clicks
Maximum deviation from standard value	-5... 5 clicks
Spring preload	
Standard	3 mm (0.12 in)
Spring rate	62 N/mm (354 lb/in)
Spring length	250 mm (9.84 in)
Fitted length	449 mm (17.68 in)

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, rear brake caliper	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, foot brake cylinder	M6	7 Nm (5.2 lbf ft)	Loctite® 243™
Screw, clamping nut, rear axle	M6	10 Nm (7.4 lbf ft)	–
Remaining nuts, chassis	M8	30 Nm (22.1 lbf ft)	–
Remaining screws, chassis	M8	25 Nm (18.4 lbf ft)	–
Screw, front brake disc	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, rear brake disc	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, front brake caliper	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, rear brake caliper	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, bearing support, steering	M8	25 Nm (18.4 lbf ft)	–
Screw, steering bridge	M8	20 Nm (14.8 lbf ft)	–
Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	–
Screw, subframe	M8	35 Nm (25.8 lbf ft)	Loctite® 243™
Screw, rear wheel eccentric element	M8	20 Nm (14.8 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, 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)	–

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Engine carrying screw	M10	60 Nm (44.3 lbf ft)	–
Screw, A-arm top	M10x52	45 Nm (33.2 lbf ft)	–
Screw, A-arm bottom	M10x70	45 Nm (33.2 lbf ft)	–
Screw, front shock absorber	M10	45 Nm (33.2 lbf ft)	–
Screw, footrest	M10	45 Nm (33.2 lbf ft)	–
Screw, steering column at bottom of steering lever	M10	25 Nm (18.4 lbf ft)	–
Engine bracket screw	M10	60 Nm (44.3 lbf ft)	–
Nut, A-arm top	M12x1.25	30 Nm (22.1 lbf ft)	–
Lock nut, tie rod, outside	M12x1.25	20 Nm (14.8 lbf ft)	–
Lock nut, tie rod, inside	M12LHx1.25	20 Nm (14.8 lbf ft)	–
Nut, ball head, A-arm bottom	M12x1.5	40 Nm (29.5 lbf ft)	–
Nut, front wheel hub	M12	70 Nm (51.6 lbf ft)	–
Screw, rear top shock absorber	M12	60 Nm (44.3 lbf ft)	–
Screw, rear bottom shock absorber	M12	70 Nm (51.6 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, top	M20x1.5	25 Nm (18.4 lbf ft)	–
Screw, steering column, bottom	M20x1.5	40 Nm (29.5 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)