

Frame	Lattice frame made of chrome molybdenum steel tubing, powder-coated
Fork	WP Suspension 4860 MXMA
Shock absorber	WP Suspension 4618 with Pro-Lever deflector
Suspension travel	
Front	275 mm (10.83 in)
Rear	275 mm (10.83 in)
Brake system	
Front	Disc brake with dual-piston brake caliper, floating
Rear	Disc brake with single-piston brake caliper, floating
Brake discs - diameter	
Front	300 mm (11.81 in)
Rear	240 mm (9.45 in)
Brake discs - wear limit	
Front	4.5 mm (0.177 in)
Rear	3.5 mm (0.138 in)
Tire air pressure, road, solo	
Front	1.8 bar (26 psi)
Rear	1.8 bar (26 psi)
Tire air pressure with passenger / fully loaded	
Front	2.0 bar (29 psi)
Rear	2.2 bar (32 psi)
Tire air pressure, offroad, single rider	
Front	1.5 bar (22 psi)
Rear	1.5 bar (22 psi)

Secondary drive ratio	15:45
Chain	5/8 x 1/4" X-ring
Steering head angle	63°
Wheelbase	1,498±15 mm (58.98±0.59 in)
Seat height unloaded	930 mm (36.61 in)
Ground clearance unloaded	320 mm (12.6 in)
Weight without fuel approx.	138.5 kg (305.3 lb.)
Maximum permissible front axle load	150 kg (331 lb.)
Maximum permissible rear axle load	200 kg (441 lb.)
Maximum permissible overall weight	350 kg (772 lb.)

Battery	YTZ10S	Battery voltage: 12 V Nominal capacity: 8.6 Ah maintenance-free
Fuse	58011109130	30 A
Fuse	75011088015	15 A
Fuse	75011088010	10 A


Lighting equipment

Headlight	BA20d	12 V 30/35 W
Parking light	W2.1x9.5d	12 V 5 W
Instrument lights and indicator lamps	LED	
Flasher light	BA15s	12 V 10 W

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Brake/tail light	LED	
License plate lamp	W2.1x9.5d	12 V 5 W

Front tire	Rear tire	
90/90 - 21 M/C 54S M+S TT Continental TKC 80	140/80 - 18 M/C 70R M+S TT Continental TKC 80	
Additional information is available in the Service section under: http://www.ktm.com		

Capacity - fuel

Total fuel tank capacity, approx.	12 l (3.2 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ p. 170)
Fuel reserve, approx.	2.5 l (2.6 qt.)	

Fork part number	14.18.7E.41	
Fork	WP Suspension 4860 MXMA	
Compression damping		
Comfort	20 clicks	
Standard	15 clicks	
Sport	10 clicks	
Full payload	10 clicks	
Rebound damping		
Comfort	20 clicks	
Standard	15 clicks	
Sport	10 clicks	
Full payload	10 clicks	
Spring length with preload spacer(s)	495 mm (19.49 in)	
Spring rate		
Weight of rider: 75... 85 kg (165... 187 lb.)	5.2 N/mm (29.7 lb/in)	
Air chamber length	100 ⁺⁰ ₋₂₀ mm (3.94 ⁺⁰ _{-0.79} in)	
Fork length	915 mm (36.02 in)	
Fork oil	635 ml (21.47 fl. oz.)	Fork oil (SAE 5) (☛ p. 169)

TECHNICAL DATA - SHOCK ABSORBER

Shock absorber part number	15.18.7E.41
Shock absorber	WP Suspension 4618 with Pro-Lever deflector
Compression damping, high-speed	
Comfort	2 turns
Standard	1.5 turns
Sport	1 turn
Full payload	1 turn
Compression damping, low-speed	
Comfort	20 clicks
Standard	15 clicks
Sport	10 clicks
Full payload	10 clicks
Rebound damping	
Comfort	20 clicks
Standard	15 clicks
Sport	10 clicks
Full payload	10 clicks
Spring preload	20 mm (0.79 in)
Spring rate	
Weight of rider: 75... 85 kg (165... 187 lb.)	80 N/mm (457 lb/in)
Spring length	220 mm (8.66 in)
Gas pressure	10 bar (145 psi)
Static sag	25 mm (0.98 in)
Riding sag	70... 80 mm (2.76... 3.15 in)
Fitted length	405 mm (15.94 in)

Shock absorber oil (☛ p. 169)

SAE 2.5

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Remaining screws, chassis	M5	4 Nm (3 lbf ft)	–
Screw, electrical holder	M5	3 Nm (2.2 lbf ft)	–
Screw, exhaust heat shield	M5	8 Nm (5.9 lbf ft)	–
Screw, footbrake pedal foothold	M5	6 Nm (4.4 lbf ft)	Loctite® 243™
Screw, fuel level indicator	M5	3 Nm (2.2 lbf ft)	–
Screw, fuel pump	M5	6 Nm (4.4 lbf ft)	–
Screw, headlight mask	M5	5 Nm (3.7 lbf ft)	–
Screw, seat lock	M5	3 Nm (2.2 lbf ft)	Loctite® 222
Screw, side cover	M5	2 Nm (1.5 lbf ft)	–
Screw, side stand switch	M5	3 Nm (2.2 lbf ft)	–
Screw, starter cable on starter	M5	3 Nm (2.2 lbf ft)	–
Spoke nipple, front wheel	M5	4 Nm (3 lbf ft)	–
Spoke nipple, rear wheel	M5	4 Nm (3 lbf ft)	–
Nut, foot brake cylinder screw	M6	10 Nm (7.4 lbf ft)	–
Remaining nuts, chassis	M6	15 Nm (11.1 lbf ft)	–
Remaining screws on fuel tank	M6	6 Nm (4.4 lbf ft)	–
Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)	–
Screw, ball joint of push rod on foot-brake cylinder	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, brake fluid reservoir of rear brake	M6	5 Nm (3.7 lbf ft)	–
Screw, front brake disc	M6	14 Nm (10.3 lbf ft)	Loctite® 243™
Screw, ignition lock	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, license plate holder, bottom	M6	8 Nm (5.9 lbf ft)	–
Screw, magnetic holder on side stand	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, radiator bracket	M6	5 Nm (3.7 lbf ft)	–

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Screw, rear brake disc	M6	14 Nm (10.3 lbf ft)	Loctite® 243™
Screw, SLS valve	M6	4 Nm (3 lbf ft)	–
Screw, voltage regulator/rectifier	M6	8 Nm (5.9 lbf ft)	–
Nut, manifold on cylinder head	M8	25 Nm (18.4 lbf ft)	Copper paste
Nut, rear sprocket screw	M8	35 Nm (25.8 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, bottom triple clamp	M8	12 Nm (8.9 lbf ft)	–
Screw, connection lever on frame	M8	30 Nm (22.1 lbf ft)	–
Screw, exhaust clamp on main silencer	M8	25 Nm (18.4 lbf ft)	–
Screw, fork stub	M8	15 Nm (11.1 lbf ft)	–
Screw, front brake caliper	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, front footrest bracket	M8	25 Nm (18.4 lbf ft)	–
Screw, fuel tank, bottom	M8	25 Nm (18.4 lbf ft)	–
Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, handrail	M8	20 Nm (14.8 lbf ft)	–
Screw, license plate holder, top	M8	20 Nm (14.8 lbf ft)	–
Screw, main silencer holder	M8	25 Nm (18.4 lbf ft)	–
Screw, main silencer holder on fuel tank	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, rear footrest bracket	M8x16	25 Nm (18.4 lbf ft)	–
Screw, side stand bracket	M8	25 Nm (18.4 lbf ft)	–
Screw, spring holder on side stand bracket	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, steering stem	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, top triple clamp	M8	17 Nm (12.5 lbf ft)	–

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Upper fuel tank screw	M8	20 Nm (14.8 lbf ft)	–
Engine carrying screw	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Remaining nuts, chassis	M10	50 Nm (36.9 lbf ft)	–
Remaining screws, chassis	M10	45 Nm (33.2 lbf ft)	–
Screw, bottom shock absorber	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, engine bearer on frame	M10	45 Nm (33.2 lbf ft)	–
Screw, foot brake pedal	M10LH	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	–
Screw, side stand	M10	35 Nm (25.8 lbf ft)	Loctite® 243™
Screw, top shock absorber	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Lambda probe	M12x1.25	24.5 Nm (18.07 lbf ft)	–
Screw, swingarm pivot	M12x1.75	80 Nm (59 lbf ft)	–
Nut, linkage lever on swingarm	M14x1.5	100 Nm (73.8 lbf ft)	–
Nut, linkage lever to rocker arm	M14x1.5	100 Nm (73.8 lbf ft)	–
Screw, bottom steering head	M20x1.5	60 Nm (44.3 lbf ft)	Loctite® 243™
Screw, top steering head	M20x1.5	10 Nm (7.4 lbf ft)	–
Screw, front wheel spindle	M24x1.5	40 Nm (29.5 lbf ft)	–
Nut, rear wheel spindle	M25x1.5	90 Nm (66.4 lbf ft)	–