

Frame	Lattice frame made of chromium molybdenum steel tubing, powder-coated
Fork	WP Suspension Up Side Down 4354
Shock absorber	WP Suspension 4014 VP
Suspension travel	
Front	120 mm (4.72 in)
Rear	120 mm (4.72 in)
Brake system	
Front	Twin floating disc with radial mount, 4-piston calipers
Rear	Single non-floating disc with 2 piston brake caliper
Brake discs - diameter	
Front	320 mm (12.6 in)
Rear	220 mm (8.66 in)
Brake discs - wear limit	
Front	4.5 mm (0.177 in)
Brake disc - wear limit	
Rear	4.5 mm (0.177 in)
Tire air pressure, Solo	
Front	2.5 bar (36 psi)
Rear	2.5 bar (36 psi)
Tire air pressure with passenger / full payload	
Front	2.5 bar (36 psi)
Rear	2.9 bar (42 psi)
Secondary drive	17:37
Chain	5/8 x 5/16" X-ring

Steering head angle	66.7°
Wheelbase	1,425 mm (56.1 in)
Seat height, unloaded	
Lower frame rear position	805 mm (31.69 in)
Upper frame rear position	825 mm (32.48 in)
Ground clearance, unloaded	110 mm (4.33 in)
Weight without fuel approx.	184 kg (406 lb.)
Maximum permissible front axle load	150 kg (331 lb.)
Maximum permissible rear axle load	240 kg (529 lb.)
Maximum permissible total weight	380 kg (838 lb.)

Battery	YTZ14S	Battery voltage: 12 V Nominal capacity: 11.2 Ah maintenance-free
Fuse	58011109130	30 A
Fuse	75011088015	15 A
Fuse	75011088010	10 A

Lighting equipment

Low beam / high beam	H7 / base PX26d	12 V 55 W
Parking light	W5W/ base W2.1x9.5d	12 V 5 W
Instrument lights and control lamps	LED	
Flasher light	LED	
Brake/tail light	LED	

License plate lamp	W5W/ base W2.1x9.5d	12 V 5 W
--------------------	---------------------	-------------

Tires

Front tire	Rear tire
120/70 ZR 17 M/C 58W TL Pirelli Dragon Supercorsa Pro	190/55 ZR 17 M/C 75W TL Pirelli Dragon Supercorsa Pro
Additional information is available in the Service section under: http://www.ktm.com	

Capacity - fuel

Total fuel tank capacity, approx.	16.5 l (4.36 US gal)	Super unleaded (ROZ 98 / RON 98 / PON 94) (☛ p. 230)
Fuel reserve, approx.	3.5 l (3.7 qt.)	

Fork part number	05.18.7E.10	
Fork	WP Suspension Up Side Down 4354	
Compression damping		
Comfort	15 clicks	
Standard	10 clicks	
Sport	5 clicks	
Full payload	5 clicks	
Rebound damping		
Comfort	15 clicks	
Standard	10 clicks	
Sport	5 clicks	
Full payload	5 clicks	
Spring preload - Preload Adjuster		
Comfort	5 turns	
Standard	5 turns	
Sport	3 turns	
Full payload	3 turns	
Spring length with preload spacer(s)	405 mm (15.94 in)	
Spring rate		
Medium (standard)	9.5 N/mm (54.2 lb/in)	
Air chamber length	80 ⁺²⁰ ₋₁₀ mm (3.15 ^{+0.79} _{-0.39} in)	
Fork length	735 mm (28.94 in)	
Fork oil per fork leg	520 ml (17.58 fl. oz.)	Fork oil (SAE 5) (☛ p. 229)

TECHNICAL DATA - SHOCK ABSORBER

222

Shock absorber part number	17.18.7E.10
Shock absorber	WP Suspension 4014 VP
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	15 clicks
Standard	10 clicks
Sport	5 clicks
Full payload	10 clicks
Spring preload	
Comfort	6 mm (0.24 in)
Standard	6 mm (0.24 in)
Sport	8 mm (0.31 in)
Full payload	8 mm (0.31 in)
Spring rate	
Medium (standard)	95 N/mm (542 lb/in)
Spring length	160 mm (6.3 in)

Gas pressure	10 bar (145 psi)
Static sag	10... 15 mm (0.39... 0.59 in)
Riding sag	30... 35 mm (1.18... 1.38 in)
Inbuilt length	290 mm (11.42 in)
Shock absorber oil (☛ p. 229)	SAE 2.5

TECHNICAL DATA - FRAME TIGHTENING TORQUES

Screw, side stand switch	M4	2 Nm (1.5 lbf ft)	Loctite® 243™
Remaining frame bolts	M5	5 Nm (3.7 lbf ft)	–
Screw, brake fluid reservoir of rear brake	M5	5 Nm (3.7 lbf ft)	Loctite® 243™
Screw, brake line holder	M5	5 Nm (3.7 lbf ft)	–
Screw, chain guard	M5	5 Nm (3.7 lbf ft)	–
Screw, chain sliding piece	M5	5 Nm (3.7 lbf ft)	–
Screw, fuel level indicator	M5	3 Nm (2.2 lbf ft)	–
Screw, fuel tank guard	M5x17	3 Nm (2.2 lbf ft)	–
Screw, steering damper fixing bracket	M5	5 Nm (3.7 lbf ft)	Loctite® 243™
Bolt, foot brake pedal stub	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Remaining chassis nuts	M6	15 Nm (11.1 lbf ft)	–
Remaining chassis screws	M6	10 Nm (7.4 lbf ft)	–
Screw for wheel speed sensor bracket	M6	3 Nm (2.2 lbf ft)	Loctite® 243™
Screw, exhaust clamp	M6	8 Nm (5.9 lbf ft)	–
Screw, exhaust heat shield	M6	15 Nm (11.1 lbf ft)	–
Screw, foot brake pedal	M6	15 Nm (11.1 lbf ft)	Loctite® 243™
Screw, footbrake cylinder	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, fuel pump	M6	6 Nm (4.4 lbf ft)	–
Screw, shift lever stub	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, shift rod	M6	12 Nm (8.9 lbf ft)	Loctite® 243™
Screw, shift shaft deflector on chain securing guide	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, shift shaft deflector on shift shaft	M6	18 Nm (13.3 lbf ft)	Loctite® 243™
Fork end pinch bolts	M8	15 Nm (11.1 lbf ft)	–

TECHNICAL DATA - FRAME TIGHTENING TORQUES

Nut, forked bracket on footbrake pedal	M8	30 Nm (22.1 lbf ft)	Loctite® 243™
Remaining chassis nuts	M8	30 Nm (22.1 lbf ft)	–
Remaining chassis screws	M8	25 Nm (18.4 lbf ft)	–
Screw of rear brake caliper	M8	22 Nm (16.2 lbf ft)	Loctite® 243™
Screw, bottom triple clamp	M8	15 Nm (11.1 lbf ft)	–
Screw, clamp, eccentric shaft of deflector	M8	18 Nm (13.3 lbf ft)	–
Screw, front brake disc	M8	30 Nm (22.1 lbf ft)	Loctite® 243™
Screw, front footrest bracket	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, handlebar stub	M8	20 Nm (14.8 lbf ft)	–
Screw, ignition lock (ratchet screw)	M8		Loctite® 243™
Screw, rear brake disc	M8	30 Nm (22.1 lbf ft)	Loctite® 243™
Screw, rear footrest bracket	M8	25 Nm (18.4 lbf ft)	–
Screw, shift lever	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, side stand bracket	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, spring holder on side stand bracket	M8	15 Nm (11.1 lbf ft)	Loctite® 243™
Screw, steering damper clamp on console	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, steering damper fixing bracket on triple clamp	M8	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, steering stem	M8	20 Nm (14.8 lbf ft)	–
Screw, subframe	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, top triple clamp	M8	17 Nm (12.5 lbf ft)	–
Screw, work stand adapter	M8	25 Nm (18.4 lbf ft)	Loctite® 243™

TECHNICAL DATA - FRAME TIGHTENING TORQUES

Remaining chassis nuts	M10	50 Nm (36.9 lbf ft)	–
Remaining chassis screws	M10	45 Nm (33.2 lbf ft)	–
Screw, connecting lever, shock absorber deflector	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, engine bearer	M10	45 Nm (33.2 lbf ft)	–
Screw, shock absorber	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, sidestand	M10	35 Nm (25.8 lbf ft)	Loctite® 243™
Rear sprocket bolt	M10x1.25	50 Nm (36.9 lbf ft)	Loctite® 243™
Screw, front brake caliper	M10x1.25	45 Nm (33.2 lbf ft)	Loctite® 243™
Nut of bell crank on frame	M14x1.5	100 Nm (73.8 lbf ft)	–
Lambda probe	M18x1.5	45 Nm (33.2 lbf ft)	–
Nut, swingarm pivot	M19x1.5	130 Nm (95.9 lbf ft)	Thread greased
Screw, seat lock	M22x1.5	8 Nm (5.9 lbf ft)	–
Bolt, front axle	M25x1.5	45 Nm (33.2 lbf ft)	–
Nut, rear wheel spindle	M25x1.5	90 Nm (66.4 lbf ft)	Thread greased
Screw, steering head	M25x1.5	18 Nm (13.3 lbf ft)	–