

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	125 mm (4.92 in)
Brake system	
front	Double disc brake with radially screwed four-piston brake calipers, float-mounted brake discs
rear	Single disc brake with dual-piston brake caliper, rigid-mounted brake disc
Brake discs - diameter	
front	320 mm (12.6 in)
rear	220 mm (8.66 in)
Brake discs - wear limit	
front	4.0 mm (0.157 in)
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	1,435 mm (56.5 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	188 kg (414 lb.)
Maximum permissible front axle load	200 kg (441 lb.)
Maximum permissible rear axle load	220 kg (485 lb.)
Maximum permissible total weight	380 kg (838 lb.)

Battery	YTZ14S	Battery voltage: 12 V Nominal capacity: 11 Ah maintenance-free
Fuse	58011109130	30 A
Fuse	75011088015	15 A
Fuse	75011088010	10 A

Lighting equipment

Low beam / high beam	H7	12 V 55 W
Parking light	W2,1x9,5d	12 V 5 W
Instrument lights and control lamps	LED	
Flasher light	LED	

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

Front tire	Rear tire
120/70 ZR 17 58 W TL Pirelli Dragon Supercorsa Pro	190/55 ZR 17 75 W TL Pirelli Dragon Supercorsa Pro
For further information, see the Service section under: http://www.ktm.com	

Capacity - fuel

Fuel tank content	16.5 l (4.36 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ S. 223)
Fuel reserve	3.5 l (3.7 qt.)	

Fork part number	05.18.7D.07
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	
Weight of rider: 75... 85 kg (165... 187 lb.)	10 N/mm (57 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 (☛ S. 223)	SAE 5

Shock absorber part number	17.18.7D.07
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	
Weight of rider: 75... 85 kg (165... 187 lb.)	110 N/mm (628 lb/in)

Spring length	160 mm (6.3 in)
Gas pressure	10 bar (145 psi)
Static sag	15 mm (0.59 in)
Riding sag	30 mm (1.18 in)
Inbuilt length	290 mm (11.42 in)

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Screw, side stand switch	M4	2 Nm (1.5 lbf ft)	Loctite® 243™
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 sliding piece	M5	5 Nm (3.7 lbf ft)	–
Screw, chain guard	M5	5 Nm (3.7 lbf ft)	–
Screw, fuel level indicator	M5	3 Nm (2.2 lbf ft)	–
Screw, steering damper fixing bracket	M5	5 Nm (3.7 lbf ft)	Loctite® 243™
Remaining chassis screws	M5	5 Nm (3.7 lbf ft)	–
Remaining chassis nuts	M6	15 Nm (11.1 lbf ft)	–
Screw, exhaust heat shield	M6	15 Nm (11.1 lbf ft)	–
Screw, exhaust clamp	M6	8 Nm (5.9 lbf ft)	–
Screw, foot brake pedal	M6	15 Nm (11.1 lbf ft)	Loctite® 243™
Screw, footbrake pedal stub	M6	10 Nm (7.4 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™
Remaining chassis screws	M6	10 Nm (7.4 lbf ft)	–
Remaining chassis nuts	M8	30 Nm (22.1 lbf ft)	–
Nut, forked bracket on footbrake pedal	M8	30 Nm (22.1 lbf ft)	Loctite® 243™
Screw, rear brake disc	M8	30 Nm (22.1 lbf ft)	Loctite® 243™

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Screw, front brake disc	M8	30 Nm (22.1 lbf ft)	Loctite® 243™
Screw, spring holder on side stand bracket	M8	15 Nm (11.1 lbf ft)	Loctite® 243™
Screw, rear footrest bracket	M8	25 Nm (18.4 lbf ft)	–
Screw, front footrest bracket	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, top triple clamp	M8	17 Nm (12.5 lbf ft)	–
Screw, bottom triple clamp	M8	15 Nm (11.1 lbf ft)	–
Screw, fork stub	M8	15 Nm (11.1 lbf ft)	–
Screw, steering stem	M8	20 Nm (14.8 lbf ft)	–
Screw, handlebar stub	M8	20 Nm (14.8 lbf ft)	–
Screw, steering damper fixing bracket	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, steering damper clamp on console	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, work stand adapter	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, subframe	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
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, ignition lock (ratchet screw)	M8		Loctite® 243™
Remaining chassis screws	M8	25 Nm (18.4 lbf ft)	–
Remaining chassis nuts	M10	50 Nm (36.9 lbf ft)	–
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™
Screw, shock absorber	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, engine bearer	M10	45 Nm (33.2 lbf ft)	–
Screw, sidestand	M10	35 Nm (25.8 lbf ft)	Loctite® 243™

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

Screw, connecting lever, shock absorber deflector	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Remaining chassis screws	M10	45 Nm (33.2 lbf ft)	–
Nut, deflection lever 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)	–
Nut, rear wheel spindle	M25x1.5	90 Nm (66.4 lbf ft)	Thread greased
Screw, front wheel spindle	M25x1.5	45 Nm (33.2 lbf ft)	–
Screw, steering head	M25x1.5	18 Nm (13.3 lbf ft)	–