

Frame	Central tube frame made of chrome molybdenum steel tubing
Fork	WP Suspension 4860 MXMA CC
Suspension travel	
Front	300 mm (11.81 in)
Rear	335 mm (13.19 in)
Fork offset	
Front marking	18 mm (0.71 in)
Rear marking	20 mm (0.79 in)
Shock absorber	WP Suspension PDS 5018 DCC
Brake system	Disc brakes, brake calipers on floating bearings
Diameter of brake discs	
Front	260 mm (10.24 in)
Rear	220 mm (8.66 in)
Wear limit of brake discs	
Front	2.5 mm (0.098 in)
Rear	3.5 mm (0.138 in)
Tire air pressure off road	
Front	1.0 bar (15 psi)
Rear	1.0 bar (15 psi)
Final drive	14:52
Chain	5/8 x 1/4"
Rear sprockets available	38, 40, 42, 45, 48, 49, 50, 51, 52
Steering head angle	63.5°
Wheelbase	1,475±10 mm (58.07±0.39 in)
Seat height unloaded	985 mm (38.78 in)
Ground clearance unloaded	380 mm (14.96 in)
Weight without fuel, approx. (SX-F)	104.6 kg (230.6 lb.)
Weight without fuel, approx. (XC-F)	108.3 kg (238.8 lb.)
Maximum permissible front axle load	145 kg (320 lb.)
Maximum permissible rear axle load	190 kg (419 lb.)
Maximum permissible overall weight	335 kg (739 lb.)

3Ah battery (SX-F)	YTX4L-BS	Battery voltage: 12 V Nominal capacity: 3 Ah maintenance-free
4Ah battery	YTX5L-BS	Battery voltage: 12 V Nominal capacity: 4 Ah maintenance-free

Validity	Front tire	Rear tire
(SX-F)	80/100 - 21 51M TT Bridgestone M59	110/90 - 19 62M TT Bridgestone M70
(450 XC-F USA)	80/100 - 21 51M TT Bridgestone M59	110/100 - 18 62M TT Bridgestone M70
(505 XC-F USA)	80/100 - 21 51M TT Bridgestone M59	110/100 - 18 64M TT Bridgestone M402

For further information, see the Service section under:
<http://www.ktm.com>

Capacity - fuel

Total fuel tank capacity, approx. (SX-F)	8 l (2.1 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ p. 89)
Total fuel tank capacity, approx. (XC-F)	9 l (2.4 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ p. 89)
Fuel reserve, approx. (XC-F)	2 l (2 qt.)	

450 SX-F EU

Fork part number	14.18.7E.05	
Fork	WP Suspension 4860 MXMA CC	
Compression damping		
Comfort	20 clicks	
Standard	18 clicks	
Sport	15 clicks	
Rebound damping		
Comfort	22 clicks	
Standard	21 clicks	
Sport	20 clicks	
Spring length with preload spacer(s)	492 mm (19.37 in)	
Spring rate		
Weight of rider: 65... 75 kg (143... 165 lb.)	4.6 N/mm (26.3 lb/in)	
Weight of rider: 75... 85 kg (165... 187 lb.)	4.8 N/mm (27.4 lb/in)	
Weight of rider: 85... 95 kg (187... 209 lb.)	5.0 N/mm (28.6 lb/in)	
Gas pressure	1.2 bar (17 psi)	
Fork length	940 mm (37.01 in)	
Oil capacity / cartridge	195 ml (6.59 fl. oz.)	Fork oil (SAE 5) (☛ p. 88)
Oil capacity / fork tube without cartridge	370 ml (12.51 fl. oz.)	Fork oil (SAE 5) (☛ p. 88)

450 SX-F USA

Fork part number	14.18.7E.23	
Fork	WP Suspension 4860 MXMA CC	
Compression damping		
Comfort	17 clicks	
Standard	15 clicks	
Sport	13 clicks	
Rebound damping		
Comfort	22 clicks	
Standard	21 clicks	
Sport	21 clicks	
Spring length with preload spacer(s)	492 mm (19.37 in)	
Spring rate		
Weight of rider: 65... 75 kg (143... 165 lb.)	4.8 N/mm (27.4 lb/in)	
Weight of rider: 75... 85 kg (165... 187 lb.)	5.0 N/mm (28.6 lb/in)	
Gas pressure	1.2 bar (17 psi)	
Fork length	940 mm (37.01 in)	
Oil capacity / cartridge	195 ml (6.59 fl. oz.)	Fork oil (SAE 5) (☛ p. 88)
Oil capacity / fork tube without cartridge	365 ml (12.34 fl. oz.)	Fork oil (SAE 5) (☛ p. 88)

XC-F

Fork part number	14.18.7E.29	
Fork	WP Suspension 4860 MXMA CC	
Compression damping		
Comfort	17 clicks	
Standard	15 clicks	
Sport	13 clicks	
Rebound damping		
Comfort	22 clicks	
Standard	21 clicks	
Sport	21 clicks	
Spring length with preload spacer(s)	492 mm (19.37 in)	
Spring rate		
Weight of rider: 65... 75 kg (143... 165 lb.)	4.6 N/mm (26.3 lb/in)	
Weight of rider: 75... 85 kg (165... 187 lb.)	4.8 N/mm (27.4 lb/in)	
Weight of rider: 85... 95 kg (187... 209 lb.)	5.0 N/mm (28.6 lb/in)	
Gas pressure	1.2 bar (17 psi)	
Fork length	940 mm (37.01 in)	
Oil capacity / cartridge	195 ml (6.59 fl. oz.)	Fork oil (SAE 5) (☛ p. 88)
Oil capacity / fork tube without cartridge	365 ml (12.34 fl. oz.)	Fork oil (SAE 5) (☛ p. 88)

450 SX-F EU

Shock absorber part number	12.18.7E.05
Shock absorber	WP Suspension PDS 5018 DCC
Compression damping, low-speed	
Comfort	17 clicks
Standard	15 clicks
Sport	13 clicks
Compression damping, high-speed	
Comfort	1 turn
Standard	1 turn
Sport	3/4 turn
Rebound damping	
Comfort	25 clicks
Standard	23 clicks
Sport	22 clicks
Spring preload	8 mm (0.31 in)
Spring rate	
Weight of rider: 65... 75 kg (143... 165 lb.)	69 N/mm (394 lb/in)
Weight of rider: 75... 85 kg (165... 187 lb.)	72 N/mm (411 lb/in)
Weight of rider: 85... 95 kg (187... 209 lb.)	76 N/mm (434 lb/in)
Spring length	250 mm (9.84 in)
Gas pressure	10 bar (145 psi)
Static sag	33 mm (1.3 in)
Riding sag	107 mm (4.21 in)
Fitted length	411 mm (16.18 in)

450 SX-F USA

Shock absorber part number	12.18.7E.23
Shock absorber	WP Suspension PDS 5018 DCC
Compression damping, low-speed	
Comfort	17 clicks
Standard	15 clicks
Sport	13 clicks
Compression damping, high-speed	
Comfort	1 turn
Standard	1 turn
Sport	3/4 turn
Rebound damping	
Comfort	25 clicks
Standard	24 clicks
Sport	22 clicks
Spring preload	7 mm (0.28 in)
Spring rate	
Weight of rider: 65... 75 kg (143... 165 lb.)	69 N/mm (394 lb/in)
Weight of rider: 75... 85 kg (165... 187 lb.)	72 N/mm (411 lb/in)
Weight of rider: 85... 95 kg (187... 209 lb.)	76 N/mm (434 lb/in)
Spring length	250 mm (9.84 in)
Gas pressure	10 bar (145 psi)
Static sag	33 mm (1.3 in)
Riding sag	107 mm (4.21 in)
Fitted length	411 mm (16.18 in)

XC-F

Shock absorber part number	12.18.7E.29
Shock absorber	WP Suspension PDS 5018 DCC
Compression damping, low-speed	
Comfort	17 clicks
Standard	15 clicks
Sport	13 clicks
Compression damping, high-speed	
Comfort	1 turn
Standard	1 turn
Sport	3/4 turn
Rebound damping	
Comfort	25 clicks
Standard	25 clicks
Sport	23 clicks
Spring preload	7 mm (0.28 in)
Spring rate	
Weight of rider: 65... 75 kg (143... 165 lb.)	69 N/mm (394 lb/in)
Weight of rider: 75... 85 kg (165... 187 lb.)	72 N/mm (411 lb/in)
Weight of rider: 85... 95 kg (187... 209 lb.)	76 N/mm (434 lb/in)
Spring length	250 mm (9.84 in)
Gas pressure	10 bar (145 psi)
Static sag	33 mm (1.3 in)
Riding sag	110 mm (4.33 in)
Fitted length	411 mm (16.18 in)

Spoke nipple, front wheel	M4,5	5 Nm (3.7 lbf ft)	–
Spoke nipple, rear wheel	M5	5 Nm (3.7 lbf ft)	–
Remaining nuts, chassis	M6	15 Nm (11.1 lbf ft)	–
Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)	–
Screw, rear brake disc	M6	14 Nm (10.3 lbf ft)	–
Screw, front brake disc	M6	14 Nm (10.3 lbf ft)	–
Screw, shock absorber adjusting ring	M6	5 Nm (3.7 lbf ft)	–
Screw, ball joint of push rod on foot-brake cylinder	M6	10 Nm (7.4 lbf ft)	–
Nut, rear sprocket screw	M8	35 Nm (25.8 lbf ft)	Loctite® 243™
Nut, rim lock	M8	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 caliper	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	12 Nm (8.9 lbf ft)	–
Screw, fork stub	M8	15 Nm (11.1 lbf ft)	–
Screw, top steering stem	M8	17 Nm (12.5 lbf ft)	Loctite® 243™
Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	–
Screw, engine brace	M8	33 Nm (24.3 lbf ft)	–
Screw, subframe	M8	35 Nm (25.8 lbf ft)	Loctite® 243™
Screw, side stand fixing	M8	40 Nm (29.5 lbf ft)	Loctite® 243™
Engine carrying screw	M10	60 Nm (44.3 lbf ft)	–
Remaining nuts, chassis	M10	50 Nm (36.9 lbf ft)	–
Remaining screws, chassis	M10	45 Nm (33.2 lbf ft)	–
Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	Loctite® 243™
Nut, seat fixing	M12x1	20 Nm (14.8 lbf ft)	–
Screw, top shock absorber	M12	80 Nm (59 lbf ft)	Loctite® 243™
Screw, bottom shock absorber	M12	80 Nm (59 lbf ft)	Loctite® 243™
Nut, swingarm pivot	M16x1.5	100 Nm (73.8 lbf ft)	–
Screw-in nozzles, cooling system	M20x1.5	12 Nm (8.9 lbf ft)	Loctite® 243™
Nut, rear wheel spindle	M20x1.5	80 Nm (59 lbf ft)	–
Screw, top steering head	M20x1.5	10 Nm (7.4 lbf ft)	–
Screw, bottom steering head	M20x1.5	60 Nm (44.3 lbf ft)	Loctite® 243™
Screw, front wheel spindle	M24x1.5	45 Nm (33.2 lbf ft)	–