



KTM 450 SX-F 2027

Motocross · 450cc 4T · US version

Safety recalls: see motoxsports.com/bikes/recalls/

Verified

26 of 28 figures read off a manual page

GEARING

Stock front sprocket	13T	☑ p. 153
Stock rear sprocket	51T	☑ p. 153
Chain pitch	520	⊖ calc.
Stock chain links	– Not yet verified	
Stock final drive ratio	3.92 : 1	⊖ calc.

WHEELS AND TIRES

Front rim	– Not yet verified	
Rear rim	– Not yet verified	
Front tire	80/100-21 51M TT	☑ p. 154
Rear tire	120/80-19 62M TT	☑ p. 154

SUSPENSION

Fork	WP XACT AER (air fork)	☑ p. 155
Fork travel	310 mm (12.20 in)	☑ p. 152
Shock travel	300 mm (11.81 in)	☑ p. 152
Stock fork spring rate	– Not yet verified	
Stock shock spring rate	45 N/mm	☑ p. 158
Static sag, bike only	35 mm (1.38 in)	☑ p. 158
Race sag, rider on	105 mm (4.13 in)	☑ p. 158

FLUIDS AND CAPACITIES

Engine oil spec	SAE 10W/50 fully synthetic	☑ p. 152
Engine oil capacity	1.20 l (≈ 40.6 fl oz)	☑ p. 152
Coolant capacity	0.95 l (≈ 32.1 fl oz)	☑ p. 152
Fuel capacity	7.2 l (≈ 1.90 gal)	☑ p. 154

SHOP NOTES

Date / hours	
Sag, race / static	
Tire pressure, F / R	
Notes	

SERVICE SPECS

Fork oil	☑ p. 156
Fork oil (48601166S1) (SAE 4): right outer assembly	240 ml (8.12 fl. ozUS); left outer assembly 240 ml (8.12 fl. ozUS); right cartridge 380 ml (12.85 fl. ozUS)
Brake fluid	DOT 5.1 ☑ p. 101
Coolant type	☑ p. 152
Coolant; antifreeze protection to at least: -25 °C (-13.0 °F)	
Fuel octane	Super unleaded (ROZ 95) ☑ p. 154
Idle speed	☑ p. 151
2,200 rpm ... 2,300 rpm (36.67 Hz ... 38.33 Hz)	
Valve clearance	☑ p. 151
Intake at: 20 °C (68.0 °F) 0.10 mm ... 0.15 mm (0.0039 in ... 0.0059 in); Exhaust at: 20 °C (68.0 °F) 0.12 mm ... 0.17 mm (0.0047 in ... 0.0067 in)	

MAINTENANCE

Tire pressure (off-road)	☑ p. 153
1.0 bar (14.5 psi) front and rear	
Chain slack	58-61 mm (2.28-2.40 in) ☑ p. 89
Spark plug and gap	NGK LMAR9AI-10, gap 1.0 mm ☑ p. 152

DIMENSIONS

Seat height	958 mm (≈ 37.7 in) ☑ p. 153
Wheelbase	1493 mm (≈ 58.8 in) ☑ p. 153
Weight (weight without fuel approx.)	103.2 kg (≈ 228 lb) ☑ p. 153

Sprockets run	
Clickers, fork / shock	
Map or jetting	

☑ printed on the manual page shown

ⓘ maker web page or spec sheet ⊖ calculated, not printed

≈ converted by MotoXSports – not yet verified

Check your own manual before ordering parts or setting up the bike.
Torque values are not published here: use the manual.
