KTM

350 SX-F 2027

Motocross · 350cc 4T · US version

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

Engine and chassis figures, as the manual prints them, are on the live page.

Verified
30 of 31 figures read off a manual page

GEARING

Stock front sprocket	14T	p. 151
Stock rear sprocket	52T	p. 151
Chain pitch	520	p. 151
Stock chain links	– Not yet verified	
Stock final drive ratio	3.71 : 1	calc.

WHEELS AND TIRES

Front rim	– Not yet verified	
Rear rim	– Not yet verified	
Front tire	80/100-21 51M TT	p. 151
Rear tire	110/90-19 62M TT	p. 151

SUSPENSION

Fork	WP XACT AER (air fork)	p. 153
Fork travel	310 mm (12.20 in)	p. 150
Shock travel	300 mm (11.81 in)	p. 150
Stock fork spring rate	– Not yet verified	
Stock shock spring rate	45 N/mm	p. 156
Static sag, bike only	35 mm (1.38 in)	p. 156
Race sag, rider on	105 mm (4.13 in)	p. 156

FLUIDS AND CAPACITIES

Engine oil spec	SAE 10W/50 fully synthetic	p. 150
Engine oil capacity	1.0 l (≈ 33.8 fl oz)	p. 150
Coolant capacity	0.95 l (≈ 32.1 fl oz)	p. 150
Fuel capacity	7.2 l (≈ 1.90 gal)	p. 152

SERVICE SPECS

Fork oil — p. 154
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. 99

Coolant type — p. 150
Coolant; antifreeze protection to at least: −25 °C (−13.0 °F)

Fuel octane	Super unleaded (ROZ 95)	p. 152

Idle speed — p. 150
2,250 rpm … 2,350 rpm (37.50 Hz … 39.17 Hz)

Valve clearance — p. 149
Intake at: 20 °C (68.0 °F) 0.08 mm … 0.15 mm (0.0031 in … 0.0059 in); Exhaust at: 20 °C (68.0 °F) 0.12 mm … 0.19 mm (0.0047 in … 0.0075 in)

MAINTENANCE

Tire pressure (off-road) — p. 151
1.0 bar (14.5 psi) front and rear

Chain slack	58-61 mm (2.28-2.40 in)	p. 87
Spark plug and gap	NGK LMAR9AI-10, gap 1.0 mm	p. 150

Chain wear limit — p. 89
Weight, chain wear measurement 10 kg … 15 kg (22.0 lb … 33.1 lb); Maximum distance of chain rollers at the longest chain section 272 mm (10.71 in)

Brake pad wear limit	≥ 1 mm (≥ 0.04 in)	p. 99

Break-in, as printed — p. 29
Do not exceed the specified engine speed and load during the running-in time. Maximum engine speed During the first operating hour 7,000 rpm (116.67 Hz) Maximum engine power during the first 3 operating hours ≤ 75 % Avoid fully opening the throttle.

DIMENSIONS

Seat height	958 mm (≈ 37.7 in)	p. 151
Wheelbase	1493 mm (≈ 58.8 in)	p. 151
Weight (weight without fuel approx.)	102.4 kg (≈ 226 lb)	p. 151

SHOP NOTES

Date / hours	Sprockets run

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.