KTM
250 SX 2027

Motocross · 250cc 2T · US version

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

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

Verified
28 of 30 figures read off a manual page

GEARING

Stock front sprocket	14T p. 146
Stock rear sprocket	49T p. 146
Chain pitch	520 calc.
Stock chain links	– Not yet verified
Stock final drive ratio	3.50 : 1 calc.

WHEELS AND TIRES

Front rim	– Not yet verified
Rear rim	– Not yet verified
Front tire	80/100-21 51M TT p. 146
Rear tire	110/90-19 62M TT p. 146

SUSPENSION

Fork	WP XACT AER p. 145
Fork travel	310 mm (12.20 in) p. 145
Shock travel	300 mm (11.81 in) p. 145
Stock fork spring rate	– Not yet verified
Stock shock spring rate	45 N/mm p. 149
Static sag, bike only	35 mm (1.38 in) p. 149
Race sag, rider on	105 mm (4.13 in) p. 149

FLUIDS AND CAPACITIES

Coolant capacity	0.95 l (≈ 32.1 fl oz) p. 145
Premix ratio	60:1 p. 147
Fuel capacity	7.2 l (≈ 1.90 gal) p. 147

SERVICE SPECS

Gearbox oil p. 145
Engine oil (15W/50), Partially synthetic: 0.80 l (0.211 liq. galUS)

Fork oil p. 148
Fork oil (48601166S1) (SAE 4): left outer assembly 240 ml (8.12 fl. ozUS); right outer assembly 240 ml (8.12 fl. ozUS); right cartridge 380 ml (12.85 fl. ozUS)

Brake fluid	DOT 5.1 p. 95

Coolant type p. 145
Coolant; antifreeze protection to at least: −25 °C (−13.0 °F)

Fuel octane	Super unleaded (95 octane) p. 147

Idle speed p. 144
1,500 rpm … 1,700 rpm (25.00 Hz … 28.33 Hz)

MAINTENANCE

Tire pressure (off-road) p. 146
1.0 bar (14.5 psi) front and rear

Chain slack	58-61 mm (2.28-2.40 in) p. 83
Spark plug and gap	NGK BR 8 ES, gap 0.60 mm p. 145

Chain wear limit p. 85
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. 95

Break-in, as printed p. 28
During the running-in time, do not exceed the specified engine power. Maximum engine power during the first 3 operating hours < 70 % during the first 5 operating hours < 100 % Avoid fully opening the throttle.

DIMENSIONS

Seat height	958 mm (≈ 37.7 in) p. 146
Wheelbase	1493 mm (≈ 58.8 in) p. 146
Weight (weight without fuel approx.)	99.4 kg (≈ 219 lb) p. 146

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. Torque values are not published here: use the manual.

motoxsports.com/bikes/ktm-250-sx/ · data checked 2026-11-08

1 KTM Owner's Manual 2027 250 SX / 250 XC / 300 SX / 300 XC, Item no. 3240380en (21/08/2026) pp. 28, 83, 85, 95, 144, 145, 146, 147, 148, 149

The live page, with every source