KTM
250 SX-F 2025

Motocross · 250cc 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
28 of 30 figures read off a manual page

GEARING

Stock front sprocket	14T ✓ p. 148
Stock rear sprocket	51T ✓ p. 148
Chain pitch	520 ⊜ calc.
Stock chain links	– Not yet verified
Stock final drive ratio	3.64 : 1 ⊜ calc.

WHEELS AND TIRES

Front rim	– Not yet verified
Rear rim	– Not yet verified
Front tire	80/100-21 51M TT ✓ p. 149
Rear tire	110/90-19 62M TT ✓ p. 149

SUSPENSION

Fork	WP XACT AER (air fork) ✓ p. 147
Fork travel	310 mm (12.2 in) ✓ p. 147
Shock travel	300 mm (11.81 in) ✓ p. 147
Stock fork spring rate	– Not yet verified
Stock shock spring rate	42 N/mm ✓ p. 152
Static sag, bike only	35 mm (1.38 in) ✓ p. 45
Race sag, rider on	105 mm (4.13 in) ✓ p. 45

FLUIDS AND CAPACITIES

Engine oil spec	SAE 10W/50 ✓ p. 147
Engine oil capacity	1.0 l (1.1 qt.) ✓ p. 147
Coolant capacity	0.95 l (1 qt.) ✓ p. 147
Fuel capacity	7.2 l (1.9 US gal) ✓ p. 147

SERVICE SPECS

Fork oil ✓ p. 150
Fork oil (SAE 4) (48601166S1): oil capacity external mechanism right 240 +10/−50 ml (8.11 +0.34/−1.69 fl. oz.); external mechanism left 240 +10/−50 ml (8.11 +0.34/−1.69 fl. oz.); right cartridge 380 ml (12.85 fl. oz.)

Brake fluid	DOT 4 / DOT 5.1 ✓ p. 94

Coolant type ✓ p. 157
High-grade, silicate-free coolant with corrosion inhibitor additive for aluminum motors; antifreeze protection to at least −25 °C (−13 °F)

Fuel octane	Super unleaded (ROZ 95) ✓ p. 147
Idle speed	2,250 … 2,350 rpm ✓ p. 144

Valve clearance ✓ p. 144
Intake at: 20 °C (68 °F) 0.08 … 0.15 mm (0.0031 … 0.0059 in);
Exhaust at: 20 °C (68 °F) 0.12 … 0.19 mm (0.0047 … 0.0075 in)

MAINTENANCE

Tire pressure (off-road) ✓ p. 148
1.0 bar (15 psi) front and rear

Chain slack	58-61 mm (2.28-2.4 in) ✓ p. 82
Spark plug and gap	NGK LMAR9AI-10, gap 1.0 mm ✓ p. 144

Chain wear limit ✓ p. 84
Weight, chain wear measurement 10 … 15 kg (22 … 33 lb.); Maximum distance from 18 chain rollers at the longest chain section 272 mm (10.71 in)

Brake pad wear limit	≥ 1 mm (≥ 0.04 in) ✓ p. 94

DIMENSIONS

Seat height	958 mm (37.72 in) ✓ p. 148
Wheelbase	1493 mm (≈ 58.8 in) ✓ p. 148
Weight (weight without fuel, approx.)	101 kg (223 lb.) ✓ p. 148

SHOP NOTES

Date / hours

Sprockets run

Sag, race / static

Clickers, fork / shock

Tire pressure F / R

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.

motoxsports.com/bikes/ktm-250-sx-f-2025/ · data checked 2026-11-06

1 KTM Owner's Manual 2025 250 SX-F / 250 XC-F / 250 SX-F Adamo Edition, Art. no. 3240043en (25.04.2024) pp. 45, 82, 84, 94, 144, 147, 148, 149, 150, 152, 157

The live page, with every source