KTM
125 SX 2027

Motocross · 125cc 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	13T	✓ p. 146
Stock rear sprocket	50T	✓ p. 146
Chain pitch	520	⊜ calc.
Stock chain links	– Not yet verified	
Stock final drive ratio	3.85 : 1	⊜ calc.

WHEELS AND TIRES

Front rim	– Not yet verified	
Rear rim	– Not yet verified	
Front tire	80/100-21 TT	✓ p. 146
Rear tire	100/90-19 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	39 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	1.2 l (≈ 40.6 fl oz)	✓ p. 145
Premix ratio	40:1	✓ p. 146
Fuel capacity	7.2 l (≈ 1.90 gal)	✓ p. 146

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 (98 octane)	✓ p. 146

Idle speed ✓ p. 144
1,400 rpm … 1,500 rpm (23.33 Hz … 25.00 Hz)

MAINTENANCE

Tire pressure (off-road) ✓ p. 145
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 ✓ p. 144
NGK BR10 ECMVX, gap 0.80 mm

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.)	92 kg (≈ 203 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.

The live page, with