KTM
50 SX 2027

Motocross · 50cc 2T · US version

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

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

Partly verified
24 of 27 figures read off a manual page

GEARING

Stock front sprocket	11T	[1] p. 126
Stock rear sprocket	40T	[1] p. 126
Chain pitch	415	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	60/100-12 36J TT	[1] p. 127
Rear tire	2.75-10 38J TT	[1] p. 127

SUSPENSION

Fork	WP XACT (air fork)	[1] p. 127
Fork travel	165 mm (6.50 in)	[1] p. 126
Shock travel	190.5 mm (7.500 in)	[1] p. 126
Stock fork spring rate	– Not yet verified	
Stock shock spring rate	30 N/mm	[1] p. 128
Static sag, bike only	30 mm (1.18 in)	[1] p. 129
Race sag, rider on	80 mm (3.15 in)	[1] p. 129

FLUIDS AND CAPACITIES

Coolant capacity	0.7 l (≈ 23.7 fl oz)	[1] p. 123
Premix ratio	60:1	[1] p. 127
Fuel capacity	2.3 l (≈ 0.61 gal)	[1] p. 127

SERVICE SPECS

Gearbox oil — [1] p. 123
Gear oil: 0.20 l (0.053 liq. galUS)

Fork oil — [1] p. 128
Fork oil (48601166S1) (SAE 4): left outer assembly 25 ml (0.85 fl. ozUS); right outer assembly 205 ±5 ml (6.93 ±0.17 fl. ozUS)

Brake fluid	DOT 5.1	[1] p. 79

Coolant type — [1] p. 123
Coolant; antifreeze protection to at least: −25 °C (−13.0 °F)

Fuel octane	Super unleaded (95 octane)	[1] p. 127
Idle speed	– Not yet verified	

MAINTENANCE

Tire pressure (off-road) — [1] p. 127
1.0 bar (14.5 psi) front and rear

Chain slack	35-38 mm (1.38-1.50 in)	[1] p. 70
Spark plug and gap	BRISK AR10C, gap 0.70 mm	[1] p. 123
Brake pad wear limit	≥ 1 mm (≥ 0.04 in)	[1] p. 79

Break-in, as printed — [1] p. 23
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	653 mm (≈ 25.7 in)	[2] maker
Wheelbase	– Not yet verified	
Weight (weight without fuel approx.)	43.5 kg (≈ 96 lb)	[1] p. 127

SHOP NOTES

Date / hours

Sprockets run

Sag, race / static

Clickers, fork / shock

Tire pressure, F / R

Map or jetting

Notes

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-50-sx/ · data checked 2026-11-08

1 KTM Owner's Manual 2027 50 SX, Item no. 3240373en (19/08/2026) pp. 23, 70, 79, 123, 124, 126, 127, 128, 129

2 KTM 2027 50 SX technical specifications (ktm.com, US)

The live page, with every source