KTM

85 SX 2027

Motocross · 85cc 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
27 of 29 figures read off a manual page

GEARING

Stock front sprocket	13T	p. 125
Stock rear sprocket	46T	p. 125
Chain pitch	428	calc.
Stock chain links	– Not yet verified	
Stock final drive ratio	3.54 : 1	calc.

WHEELS AND TIRES

Front rim	– Not yet verified	
Rear rim	– Not yet verified	
Front tire	70/100-17 M/C 40M TT	p. 126
Rear tire	90/100-14 M/C 49M TT	p. 126

SUSPENSION

Fork	WP XACT 5543 (air fork)	p. 125
Fork travel	278 mm (10.94 in)	p. 125
Shock travel	289 mm (11.38 in)	p. 125
Stock fork spring rate	– Not yet verified	
Stock shock spring rate	– Not yet verified	
Static sag, bike only	30 mm (1.18 in)	p. 128
Race sag, rider on	100 mm (3.94 in)	p. 128

FLUIDS AND CAPACITIES

Coolant capacity	0.8 l (≈ 27.1 fl oz)	p. 122
Premix ratio	40:1	p. 126
Fuel capacity	5.4 l (≈ 1.43 gal)	p. 126

SERVICE SPECS

Gearbox oil — p. 122
Engine oil (15W/50), Partially synthetic: 0.50 l (0.132 liq. galUS)

Fork oil — p. 127
Fork oil (48601166S1) (SAE 4): right outer assembly 363 ±10 ml (12.27 ±0.34 fl. ozUS); left outer assembly 100 ±20 ml (3.38 ±0.68 fl. ozUS)

Brake fluid — DOT 5.1 — p. 80

Coolant type — p. 122
Coolant; antifreeze protection to at least: −25 °C (−13.0 °F)

Fuel octane — Super unleaded (98 octane) — p. 126

Idle speed — p. 121
1,500 rpm … 2,000 rpm (25.00 Hz … 33.33 Hz)

MAINTENANCE

Tire pressure (off-road) — p. 126
1.0 bar (14.5 psi) front and rear

Chain slack — 43-46 mm (1.69-1.81 in) — p. 69

Spark plug and gap — BRISK AR10C, gap 0.70 mm — p. 121

Chain wear limit — p. 71
Weight, chain wear measurement 10 kg … 15 kg (22.0 lb … 33.1 lb); Maximum distance of chain rollers at the longest chain section 219 mm (8.62 in)

Brake pad wear limit — ≥ 1 mm (≥ 0.04 in) — p. 81

Break-in, as printed — p. 23
During the running-in phase, do not exceed the specified engine performance. Maximum engine power during the first 3 operating hours < 70 % during the first 5 operating hours < 100 % Note The use of a service hour counter is recommended in order to be able to check the mileage at any time. During the first ten operating hours, refuel with a mixing ratio of 1:30. – Avoid fully opening the throttle.

DIMENSIONS

Seat height	845 mm (≈ 33.3 in)	p. 125
Wheelbase	1282 mm (≈ 50.5 in)	p. 125
Weight (weight without fuel approx.)	68 kg (≈ 150 lb)	p. 126

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