KTM
450 XC-F 2027

Enduro · 449.9cc 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
27 of 29 figures read off a manual page

GEARING

Stock front sprocket	14T ✓ p. 153
Stock rear sprocket	50T ✓ p. 153
Chain pitch	520 ⊜ calc.
Stock chain links	– Not yet verified
Stock final drive ratio	3.57 : 1 ⊜ calc.

WHEELS AND TIRES

Front rim	– Not yet verified
Rear rim	– Not yet verified
Front tire	80/100 - 21 51M TT ✓ p. 154
Rear tire	110/100 - 18 57M TT ✓ p. 154

SUSPENSION

Fork	WP XACT ✓ p. 152
Fork travel	300 mm (11.81 in) ✓ p. 152
Shock travel	300 mm (11.81 in) ✓ p. 152
Stock fork spring rate	– Not yet verified
Stock shock spring rate	– Not yet verified
Static sag, bike only	35 mm (1.38 in) ✓ p. 159
Race sag, rider on	105 mm (4.13 in) ✓ p. 51

FLUIDS AND CAPACITIES

Engine oil spec	10W/50 ✓ p. 152
Engine oil capacity (changing the engine oil and oil filter, cleaning the oil screens)	1.20 l (≈ 40.6 fl oz) ✓ p. 152
Coolant capacity	0.95 l (≈ 32.1 fl oz) ✓ p. 152
Fuel capacity	8.5 l (≈ 2.25 gal) ✓ p. 154

SERVICE SPECS

Fork oil ✓ p. 157
Fork oil (48601166S1) (SAE 4): outer assembly 390 ml (13.19 fl. ozUS); cartridge 175 ml (5.92 fl. ozUS)

Brake fluid	Brake fluid DOT 5.1 ✓ p. 176
Coolant type	MOTOREX COOLANT M3.0 ✓ p. 176
Fuel octane	Super unleaded (ROZ 95) ✓ p. 154
Idle speed	2,200 rpm … 2,300 rpm ✓ p. 151

Valve clearance ✓ p. 151
Intake 0.10 mm … 0.15 mm (0.0039 in … 0.0059 in); Exhaust 0.12 mm … 0.17 mm (0.0047 in … 0.0067 in)

MAINTENANCE

Tire pressure (off-road) ✓ p. 153
1.0 bar (14.5 psi) front; 1.0 bar (14.5 psi) rear

Chain slack ✓ p. 89
58 mm … 61 mm (2.28 in … 2.40 in)

Spark plug and gap	NGK LMAR9AI-10 ✓ p. 152

Chain wear limit ✓ p. 91
Maximum distance B of chain rollers at the longest chain section
272 mm (10.71 in)

Brake pad wear limit ✓ p. 101
Minimum pad thickness A ≥ 1 mm (≥ 0.04 in)

DIMENSIONS

Seat height	958 mm (37.72 in) ✓ p. 153
Wheelbase	1493 mm (≈ 58.8 in) ✓ p. 153
Weight (weight without fuel approx.)	105.9 kg (233.47 lb) ✓ p. 153

SHOP NOTES

Date / hours

Sprockets run

Sag, race / static

Clickers, fork / shock

✓ 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-450-xc-f/ · data checked 2026-11-08

1 KTM Owner's manual 2027, 450 SX-F / 450 XC-F, item no. 3240384en, dated 06/08/2026 (KTM print-on-demand portal file 27_3240384_en_BA.pdf, listed there as "450 XC-F 2027 US (en)") pp. 51, 89, 91, 101, 138, 151, 152, 153, 154, 157, 159, 176

The live page, with every source