KTM
500 EXC-F 2027

Enduro · 510.9cc 4T · US version

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

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

Partly verified
27 of 29 figures read off a manual page

GEARING

Stock front sprocket	– Not yet verified
Stock rear sprocket	50T ✓ [1] p. 160
Chain pitch	520 ✓ [1] p. 160
Stock chain links	– Not yet verified
Stock final drive ratio	– Not yet verified

WHEELS AND TIRES

Front rim	1.6 x 21" ⓘ [2] maker
Rear rim	2.15 x 18" ⓘ [2] maker
Front tire	90/90 - 21 M/C 54S M+S TT ✓ [1] p. 160
Rear tire	140/90 - 18 M/C 65R TT ✓ [1] p. 160

SUSPENSION

Fork	WP XPLOR CC ✓ [1] p. 161
Fork travel	300 mm (11.81 in) ✓ [1] p. 159
Shock travel	310 mm (12.20 in) ✓ [1] p. 159
Stock fork spring rate	– Not yet verified
Stock shock spring rate	– Not yet verified
Static sag, bike only	38 mm (1.50 in) ✓ [1] p. 162
Race sag, rider on	110 mm (4.33 in) ✓ [1] p. 162

FLUIDS AND CAPACITIES

Engine oil spec	10W/50 ✓ [1] p. 159
Engine oil capacity (changing the engine oil and oil filter, cleaning the oil screens)	1.2 l (≈ 40.6 fl oz) ✓ [1] p. 159
Coolant capacity	0.95 l (≈ 32.1 fl oz) ✓ [1] p. 133
Fuel capacity	8.5 l (≈ 2.25 gal) ✓ [1] p. 160

SERVICE SPECS

Fork oil	✓ [1] p. 161
Fork oil (48601166S1) (SAE 4): outer assembly 350 ml (11.83 fl. ozUS); cartridge 175 ml (5.92 fl. ozUS)	
Brake fluid	Brake fluid DOT 5.1 ✓ [1] p. 174
Coolant type	MOTOREX COOLANT M3.0 ✓ [1] p. 174
Fuel octane	Super unleaded (ROZ 95) ✓ [1] p. 160
Idle speed	1,800 rpm … 1,900 rpm ✓ [1] p. 158
Valve clearance	✓ [1] p. 158
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)	✓ [1] p. 118
Off-road 1.0 bar (14.5 psi) front; 1.0 bar (14.5 psi) rear	
Chain slack	✓ [1] p. 92
58 mm … 61 mm (2.28 in … 2.40 in)	
Spark plug and gap	NGK LZMAR8BI-10 ✓ [1] p. 158
Chain wear limit	✓ [1] p. 94
Maximum distance B of chain rollers at the longest chain section 272 mm (10.71 in)	
Brake pad wear limit	✓ [1] p. 105
Minimum pad thickness A ≥ 1 mm (≥ 0.04 in)	

DIMENSIONS

Seat height	963 mm (37.91 in) ✓ [1] p. 160
Wheelbase	1,488 mm (58.58 in) ✓ [1] p. 160
Weight (weight without fuel approx.)	108.4 kg (238.98 lb) ✓ [1] p. 160

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.

motoxsports.com/bikes/ktm-500-exc-f/ · data checked 2026-11-08

1 KTM Owner's Manual 2027, 500 EXC-F / 500 EXC-F SIX DAYS, item no. 3240392en (KTM print-on-demand portal file 27_3240392_en_BA.pdf, listed there as "500 EXC-F 2027 US US (en)", read from the portal's page preview) pp. 92, 94, 105, 118, 133, 144, 158, 159, 160, 161, 162, 174

2 Technical specifications, 2027 KTM 500 EXC-F | KTM United States

The live page, with every source