MOTO X SPORTS

STOCK SPEC CARD
motoxsports.com/bikes/ktm-250-xc-f/

KTM
# 250 XC-F 2027

Enduro · 249.92cc 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 | 13T ✓ p. 153 |
| Stock rear sprocket | 52T ✓ p. 153 |
| Chain pitch | 520 ⊜ calc. |
| Stock chain links | – Not yet verified |
| Stock final drive ratio | 4.00 : 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 64M TT ✓ p. 154 |

## SUSPENSION

| | |
|---|---|
| Fork | WP XPLOR CC ✓ p. 156 |
| 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. 160 |
| 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 screen) | 1.0 l (≈ 33.8 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 | 2,250 rpm … 2,350 rpm ✓ p. 152 |

Valve clearance ✓ p. 151
Intake 0.08 mm … 0.15 mm (0.0031 in … 0.0059 in); Exhaust 0.12 mm … 0.19 mm (0.0047 in … 0.0075 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.) | 104.8 kg (231.04 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-250-xc-f/ · data checked 2026-11-08

**1** KTM Owner's manual 2027, 250 SX-F / 250 XC-F, item no. 3240381en, dated 20/07/2026 (KTM print-on-demand portal file 27_3240381_en_BA.pdf, listed there as "250 XC-F 2027 US (en)") pp. 51, 89, 91, 101, 138, 151, 152, 153, 154, 156, 157, 160, 176

The live page, with every source