MOTO X SPORTS

STOCK SPEC CARD
motoxsports.com/bikes/beta-250-rr/

BETA
250 RR X-PRO 2027

Enduro · 249cc 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
26 of 27 figures read off a manual page

GEARING

Stock front sprocket	14T	p. 13
Stock rear sprocket	49T	p. 13
Chain pitch	– Not yet verified	
Stock chain links	– Not yet verified	
Stock final drive ratio	3.50 : 1	calc.

WHEELS AND TIRES

Front rim	J 21x1.6	p. 10
Rear rim	– Not yet verified	
Front tire	90/90-21	p. 10
Rear tire	140/80-18	p. 10

SUSPENSION

Fork Open cartridge hydraulic upside-down fork (Ø48 mm shafts)		p. 11
Fork travel	295 mm (≈ 11.6 in)	p. 11
Shock travel	290 mm (≈ 11.4 in)	p. 11
Stock fork spring rate	8.4 N/mm	p. 11
Stock shock spring rate	– Not yet verified	
Static sag, bike only	35 mm (≈ 1.4 in)	p. 11
Race sag, rider on	– Not yet verified	

FLUIDS AND CAPACITIES

Coolant capacity	1300 ml (≈ 44.0 fl oz)	p. 11
Fuel capacity	9.5 L (≈ 2.51 gal)	p. 11

SERVICE SPECS

Gearbox oil 800 ml (following normal maintenance work); 850 ml (following a complete engine review)		p. 11
Fork oil	FUCHS SAE 5W	p. 18
Brake fluid LIQUI MOLY BRAKE FLUID DOT 5.1		p. 18
Coolant type LIQUI MOLY COOLANT READY MIX RAF12+		p. 18
Fuel octane	95 RON	p. 18
Idle speed	1800 and 1900 rpm	p. 38

MAINTENANCE

Tire pressure (off-road) 1 bar front and rear (off-road use); 1,5 bar front, 1,8 bar rear (road use)		p. 10
Chain slack	30 mm	p. 73
Spark plug and gap	NGK BR8ECM	p. 13
Chain wear limit Pull up the upper stretch with 10 - 15 kg; measure 18 links on the lower stretch; replace at ≥ 272 mm		p. 74
Brake pad wear limit	2 mm	p. 64

DIMENSIONS

Seat height	930 mm (≈ 36.6 in)	p. 10
Wheelbase	1482 mm (≈ 58.3 in)	p. 10
Weight (weight in running order with full fuel and optional)	118 kg (≈ 260 lb)	p. 10

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/beta-250-rr/ · data checked 2026-11-08

1 Beta 2027 Owners Manual, RR XPRO 125-200-250-300 2T pp. 10, 11, 12, 13, 18, 38, 64, 73, 74

The live page, with every source