YAMAHA

YZ250F 2021

Motocross · 250cc 4T · US version

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

Verified
27 of 27 figures read off a manual page

GEARING

Stock front sprocket	13T	p. 2-4
Stock rear sprocket	50T	p. 2-4
Chain pitch	520	p. 2-7
Stock chain links	114	p. 2-7
Stock final drive ratio	3.846 : 1	p. 2-4

WHEELS AND TIRES

Front rim	21x1.6	p. 2-5
Rear rim	19x1.85	p. 2-5
Front tire	80/100-21 51M	p. 2-5
Rear tire	100/90-19 57M	p. 2-5

SUSPENSION

Fork	Telescopic fork	p. 2-5
Fork travel	310 mm (12.2 in)	p. 2-6
Shock travel	317 mm (12.5 in)	p. 2-6
Stock fork spring rate	– Not yet verified	
Stock shock spring rate	– Not yet verified	
Static sag, bike only	– Not yet verified	
Race sag, rider on	– Not yet verified	

FLUIDS AND CAPACITIES

Engine oil spec — p. 2-2
SAE 10W-40, 10W-50, 15W-40, 20W-40 or 20W-50; API service SG type or higher, JASO standard MA

Engine oil capacity (oil change)	0.73 L (0.77 US qt)	p. 2-2
Engine oil capacity, with filter change	0.75 L (0.79 US qt)	p. 2-2
Coolant capacity	0.93 L (0.98 US qt)	p. 2-2
Fuel capacity	6.2 L (1.6 US gal)	p. 2-2

SERVICE SPECS

Fork oil — p. 2-6
Yamaha Suspension Oil S1; Quantity (left) 501.0 cm³ (16.94 US oz, 17.67 Imp.oz); Quantity (right) 501.0 cm³ (16.94 US oz, 17.67 Imp.oz)

Brake fluid	DOT 4	p. 2-5
Coolant type	– Not yet verified	
Fuel octane	– Not yet verified	
Idle speed	1900-2100 r/min	p. 2-4

Valve clearance — p. 2-2
Intake 0.12-0.19 mm (0.0047-0.0075 in); Exhaust 0.17-0.24 mm (0.0067-0.0094 in), cold

MAINTENANCE

Tire pressure (off-road) — p. 2-5
100 kPa (1.00 kgf/cm², 15 psi) front and rear, measured on cold tires

Chain slack — p. 2-7
50.0-60.0 mm (1.97-2.36 in), on a maintenance stand

Spark plug and gap — p. 2-2
NGK/LMAR9E-J, gap 0.6-0.7 mm (0.024-0.028 in)

DIMENSIONS

Seat height	970 mm (38.2 in)	p. 2-1
Wheelbase	1475 mm (58.1 in)	p. 2-1
Weight (curb weight)	106 kg (234 lb)	p. 2-1

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/yamaha-yz250f-2021/ · data checked 2026-10-16

1 Yamaha 2021 YZ250F Owner's Service Manual, LIT-11626-34-25, B7B-2819U-12 pp. 2-1, 2-2, 2-4, 2-5, 2-6, 2-7

The live page, with every source