

2007 FMX650 PRESS INFORMATION

The exciting FMX650 brings big smiles to every road it travels. Featuring boldly attractive 'Super Motard' styling, a strong and reliable air-cooled single-cylinder engine pumping out an exhilarating rush of thumper power, and a relaxed, light-handling attitude that makes the riding fun and easy, the FMX gives you a high-spirited ride that really lives up to its Fun Moto moniker.

Colours

- **Ross White (with Orange logo)**
- **Fighting Red**
- **Black**

Specifications FMX650 ED-type

Engine

Type	Air-cooled 4-stroke RFVC SOHC single
Displacement	644cm ³
Bore x Stroke	100 x 82mm
Compression Ratio	8.3 : 1
Max. Power Output	27.7kW / 5,750min ⁻¹ (95/1/EC)
Max. Torque	52.3Nm / 4,500min ⁻¹ (95/1/EC)
Idling Speed	1,300min ⁻¹
Oil Capacity	2.5 litres

Fuel System

Carburation	40mm VE-type carburettor
Aircleaner	Dry, cartridge-type paper filter
Fuel Tank Capacity	11 litres (including 3.8-litre reserve)

Electrical System

Ignition System	Fully transistorised electronic
Ignition Timing	8° BTDC (idle) ~ 26° BTDC (5,750min ⁻¹)
Sparkplug Type	DPR8EA-9 (NGK); X24EPR-U9 (ND)
Starter	Electric
Battery Capacity	12V / 8AH
ACG Output	210W
Headlights	12V, 55W x 1 (low) / 60W x 1 (high)

Drivetrain

Clutch	Wet, multiplate with coil springs
Clutch Operation	Mechanical; cable-actuated
Transmission	5-speed
Primary Reduction	2.029 (69/34)
Gear Ratio	1 2.666 (32/12)
	2 1.750 (28/16)
	3 1.250 (25/20)
	4 1.000 (23/23)
	5 0.800 (20/25)
Final Reduction	3.000 (42/14)
Final Drive	O-ring sealed chain

Frame

Type	Single Cradle Mono-Backbone; Steel tube
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Chassis

Dimensions	(LxWxH)	2,151 x 823 x 1,157mm
Wheelbase		1,490mm
Caster Angle		29° 6'
Trail		97mm
Turning Radius		2.4m
Seat Height		875mm
Ground Clearance		216mm
Dry Weight		163kg
Kerb Weight		170kg (F: 80kg; R: 90kg)
Max. Carrying Capacity		155kg
Loaded Weight		325kg (F: 115kg; R: 210kg)

Suspension

Type	Front	45mm inverted leading-axle telescopic fork, 218mm axle travel
	Rear	Pro-Link, 186mm axle travel

Wheels

Type	Front	Aluminium rim/steel spoke
	Rear	Aluminium rim/steel spoke
Rim Size	Front	17M/C x MT3.50
	Rear	17M/C x MT4
Tyre Size	Front	120/70 R17M/C (58H)
	Rear	150/60 R17M/C (66H)
Tyre Pressure	Front	200kPa
	Rear	225kPa

Brakes

Type	Front	296 x 4mm hydraulic disc with dual-piston calliper and sintered metal pads
	Rear	220 x 5mm hydraulic disc with single-piston calliper and sintered metal pads

All specifications are provisional and subject to change without notice.