

2007

TRX420FM / TRX420FE

PRESS INFORMATION

With a 420cc engine featuring fuel injection, full-time four-wheel-drive, a torque-sensitive front differential that reduces steering effort, and legendary Honda reliability, the new-from-the-ground-up 4x4 TRX420FM and TRX420FE with Honda's Electric Shift Program (ESP) raise the bar for mid-sized utility ATVs.

Colour

- Patriot Red

Features & Benefits

New for 2007

- New, larger 420cc liquid-cooled engine for increased power.
- New fuel-injection system for consistent performance at high-altitude, improved cold-weather starting and increased power.
- New dual front disc brakes for improved braking performance in all conditions.
- New body style incorporates flowing fenders with integrated headlights and LED taillight for a rugged adventurous look.
- TraxLok 4WD/2WD selector lever allows easy selection of 4-wheel drive or 2-wheel drive.

Unique Features

- Brand-new, rugged longitudinally mounted 420.2cm³ liquid-cooled, fuel-injected OHV single-cylinder engine allows direct driveshaft alignment to both front and rear wheels for maximum drivetrain efficiency.
- TRX420FE features ESP (Electric Shift Program) for push-button upshifting and downshifting. Gear shifts are simple and precise with the easy press of the upshift or downshift button mounted on the left handlebar. An onboard electronic control module (ECM) monitors information from four sensors—engine rpm, countershaft speed, gear position, and shift spindle angle—to control the speed of the electric shift motor’s gear and clutch engagement. Gear engagement speed varies according to rider style: The transmission shifts more quickly when riding style turns sporty. A neutral lockout at speeds greater than 3.2 km/h ensures available engine braking when descending hills. To ensure smooth shifting, the transmission cannot be shifted from neutral to first gear or reverse gear at engine speeds above 3,000min⁻¹. ESP is not battery dependent, operating whenever the engine is running. Should the rider ever need to shift manually, the TRX420FE is also equipped with an auxiliary shift lever in the tool kit.
- Large radiator with cooling fan ensures optimal engine cooling under difficult operating conditions.
- Closed crankcase vent system safeguards against engine oil contamination.
- Unique Honda-designed floorboards allow the rider’s feet to grip the footrests while keeping mud and debris away.

Engine/Drivetrain

- All-new 420.2cm³ longitudinally-mounted engine boasts more horsepower and torque than previous TRX350 engine while eliminating 90-degree power transfers.
- Overhead-valve (OHV) design provides compact engine dimensions for improved ground clearance while maintaining a broad, easy-to-use power band.
- Keihin fuel-injection system provides crisp performance and ensures trouble-free operation in cold conditions and changing altitudes.
- Rubber-cushion engine mounting and gear-driven counter-balancer reduce vibration.

- Super-heavy-duty automatic clutch with a low engagement point for excellent driveability and towing capability.
- Five-speed transmission with reverse includes an ultra-low first gear. The manual-shift TRX420FM uses a foot-operated shifter pedal, while the TRX420FE incorporates Honda's exclusive ESP for easy shifts with the touch of a handlebar-mounted button.
- Traxlok 4WD/2WD selector lever allows 4WD operation when needed for the tough stuff and 2WD when conditions permit.
- Convenient electric starter, with auxiliary recoil starter and an automatic internal decompression system.
- Large 7.2-liter airbox with reusable foam air filter provides more air to the engine for increased performance.
- Washable air filter for easy maintenance and consistent performance.
- Stainless steel exhaust header and silencer for superior corrosion resistance.
- Three-chamber muffler baffling uses no packing material that can blow out. Provides long-lasting performance.
- Fully transistorised ignition with electronic advance for excellent performance and reliability.
- Powerful 343-watt AC generator.

Chassis/Suspension

- Rugged frame and suspension provide an exceptional 165mm of ground clearance.
- Steering mechanism design features light effort and a tight turning radius of 3.3 metres.
- Independent double-wishbone front suspension uses premium dampers to provide 160mm of suspension travel for a plush, comfortable ride.
- Steel swingarm and gas-charged single rear damper provide 160mm of suspension travel for superb comfort and compliance.
- Tough, large-diameter, 24 x 8–12 front and 24 x 10–11 rear tyres provide excellent ground clearance while maintaining precise handling.

- Dual hydraulic front disc brakes and sealed mechanical rear drum brakes for strong stopping power.

Additional Features

- Engine design produces low emissions to meet stringent off-road emissions standards.
- TRX420FE features multi-function LCD digital instrumentation that is compact, tough and waterproof, featuring large readouts for gear position, speedometer, odometer, resettable trip meter and hour meter/clock. Instrument housing includes LED lights for reverse, neutral, oil temperature, fuel injection and 4WD warning indicators.
- Optional waterproof accessory socket provides 10 amperes of 12-volt power with a built-in temperature type fuse.
- Large cargo racks front and rear carry payloads of 30kg and 60kg respectively.
- Heavy-duty trailer hitch features 385kg towing capacity.
- Large, lightweight plastic fuel tank offers 13.7-litre capacity for long-range operation.
- Fuel gauge is standard equipment.
- Snorkel-type air intake system is specially designed for water crossings.
- Thickly padded seat provides all-day comfort.
- Under-seat storage compartment allows access when rack is loaded.
- Large fenders give excellent mud protection.
- Twin-headlight system with 30-watt bulbs features multi-reflector lenses for optimal light distribution.
- Combination tail-/brake-light.
- Spark arrester-equipped exhaust silencer designed for quiet operation without wool packing for long-lasting performance while meeting all local regulations.
- Constant-velocity-joint boot guards help prevent damage to boot covers.
- Tough 12 amp-hour maintenance-free battery.

- Durable, comfortable, easy-to-use controls.
- Keyed ignition switch for added security.
- Full-length resin lower skidplate with integrated front brush guard.
- Easy-to-use parking brake.
- Handlebar switches, controls and warning labels use internationally approved ISO graphic symbols.
- Standard tool kit includes a tyre pressure gauge.

Available Accessories

- Flag kit.

Specifications TRX420FM U-type

Engine

Type	Longitudinally mounted liquid-cooled dry-sump 4-stroke OHV single-cylinder
Displacement	420.2cm ³
Bore x Stroke	86.5 x 71.5mm
Compression Ratio	9.8 : 1
Max. Power Output	18.3kW / 6,000min ⁻¹
Max. Torque	30.3Nm / 5,500min ⁻¹

Fuel System

Carburation	Electronic fuel injection
Throttle Bore	34mm
Fuel Tank Capacity	13.7 litres

Electrical System

Ignition System	Fully transistorised with electronic advance
Starter	Electric with auxiliary recoil

Drivetrain

Clutch	Automatic; centrifugal
Transmission	5-speed with reverse
Final Drive	Direct front and rear driveshafts with torque-sensitive front differential

Chassis

Dimensions	(LxWxH)	2,055 x 1,172 x 1,146mm
Wheelbase		1,249mm
Turning Radius		3.3m
Seat Height		822mm
Ground Clearance		165mm
Dry Weight		254kg

Suspension

Type	Front	Independent double-wishbone; 160mm travel
	Rear	Single-damper swingarm; 160mm travel

Wheels

Type	Front	Pressed steel
	Rear	Pressed steel
Rim Size	Front	12 x AT6
	Rear	11 x AT7.5
Tyre Size	Front	AT24 x 8 12
	Rear	AT24 x 10 11

Brakes

Type	Front	185mm dual hydraulic disc with single-piston callipers and sintered metal pads
	Rear	160mm sealed mechanical drum

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