

 **YAMAHA**

TDM900



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Quicker, lighter and stronger, the new generation TDM900 has been built to exceed all of your expectations in a wide range of different riding situations.

For faster acceleration and instant throttle response this punchy big twin runs with a larger 897 cc engine fed by an efficient new electronic fuel injection system.

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And its all-new aluminium diamond-type frame, lightweight wheels and high-specification brakes deliver more agile handling, improved cornering performance and increased stopping power.

Built for slicing through twisty mountain passes, touring across Europe with a passenger and camping gear, or commuting to work in the city, this radically-styled all-rounder is as unique as you!



1. Up-rated parallel-twin engine

The TDM's 5-valve DOHC engine is bored out to 897 cc and runs with higher-specification internals including lightweight forged pistons, low-friction plated cylinders and durable carburised connecting rods.

2. New fuel injection system

By delivering a precisely-metered fuel-air mix, the new fuel injection system helps to boost power and delivers efficient operation at varying altitudes – and together with dual 3-way catalysers this efficient injection system also ensures low emission levels.

3. Air induction system

Activated by an electronic control unit, the TDM's air induction system feeds fresh air directly into the engine's exhaust ports to oxidise any unburned gases for cleaner emissions.

4. R-series type camshaft chain tensioner

New lightweight camshafts are operated by a silent-running chain, and for reduced mechanical noise the new TDM900 is fitted with an R-series type automatic camchain tensioner.



5. New 6-speed transmission

To maximise the TDM's performance potential when carving around bends, powering along the highway and riding around town, the 2002 model runs with a slick-shifting 6-speed transmission.

6. Up-rated clutch

To handle the engine's increased power output the TDM900 runs with an up-rated clutch equipped with heavy-duty springs and featuring a new cam-type clutch release for smoother action.

7. Dual upswept mufflers

TDM's stainless steel exhaust system is equipped with newly-designed dual upswept mufflers that are tuned to optimise power output and also allow the fitment of an optional centrestand, while dual 3-way catalysers help maintain low emission levels.



8. Lightweight oil tank

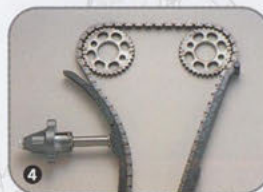
Mounted above the crankcases, the lightweight pressed-steel oil tank helps the new 897 cc engine maintain consistent running temperatures, and is equipped with an oil level sensor.

9. Compact radiator

One of the many weight-saving features on the new TDM900 is its compact new radiator and high-efficiency ring fan that increase cooling efficiency for consistently strong engine performance.

10. Variable-intake airbox

The large 7.5 litre airbox features an innovative new variable intake duct that adjusts the amount of air being fed to the engine to ensure smooth throttle response at low- to mid-range engine speeds.





Optional features:

11. Centrestand

The revised muffler layout permits the fitment of an optional centrestand that facilitates routine chain and tyre inspection.

12. Flip-up screen

Designed for touring and long-distance use, the optional flip-up screen offers greater wind protection and increased rider comfort.

13. Topcase/sidecases

The quickly-detachable topcase and sidecases are designed to carry anything from a spare helmet through to camping gear.

Heated grips

Yamaha's optional heated grips make for a more comfortable journey in colder weather conditions.

1. Diamond-type aluminium frame

The most significant chassis upgrade for 2002 is the use of an ultra-light and highly rigid aluminium diamond-type frame that reduces overall weight for super-responsive handling and enhanced cornering agility.

2. Link-type rear suspension

The high-specification rear suspension system features an extra-long aluminium swingarm operating a fully-adjustable link-type rear shock that can be set up to optimise handling performance in a wide range of riding conditions.

3. Adjustable 43 mm front forks

The flex-resistant 43 mm diameter forks deliver a smooth ride, and are equipped with preload and damping adjusters that can be dialled in to suit solo sports or two-up touring situations.

4. R1-type front brakes

To match the increased engine performance the TDM's braking system has been seriously uprated for 2002, and features dual 298 mm floating discs slowed by highly-efficient R1-type one-piece 4-piston calipers.

5. Compact rear brake

Slowed by a new pin-slide type caliper, the compact 245 mm rear disc delivers strong and progressive stopping power for reliable braking out on the highway and in the city.

6. Lightweight wide-section wheels

New lightweight wheels featuring wider rims run with a 120/70 ZR18 front tyre and 160/60 ZR17 rear tyre, and the combination of lower unsprung weight and wider rubber makes for enhanced roadholding.

7. Lightweight instrumentation

The lightweight instrument console features a centrally-mounted tachometer with digital clock and oil level light, as well as a digital speedometer, fuel level indicator, water temperature gauge and range of indicator lights.

8. Futuristic cowl design

Featuring a radical new look that has evolved directly from its predecessor, the futuristic aerodynamic cowl features twin multi-reflector headlights that emphasise this unique machine's predatory image.

9. Ergonomic tank/seat design

The redesigned fuel tank and reshaped seat enhance rider and passenger comfort, and the revised ergonomics allow the rider to adjust their body position to suit their individual riding style.

10. Redesigned seat cowl

As well as its restyled cowl, new front fender and reshaped tank, the TDM900 also features a sleek new seat cowl that emphasises the bike's radical and edgy image.





TDM twin 900

YAMAHA

TDM900 TECHNICAL SPECIFICATION

ENGINE

Type	Liquid-cooled, 4-stroke, forward inclined parallel twin cylinder, DOHC, 5 valves
Displacement	897 cc
Bore and stroke	92 x 67.5 mm
Compression ratio	10.4 : 1
Max. power	63.4 kW (86.2 HP) @ 7,500 rpm
Max. torque	88.8 Nm (9.1 kg-m) @ 6,000 rpm
Lubrication	Dry sump
Fuel supply	Electronic fuel injection
Clutch type	Wet, multiple-disc
Ignition	TCI (digital)
Starter system	Electric
Transmission	Constant mesh, 6-speed
Final transmission	Chain

CHASSIS

Front suspension	Telescopic fork
Front wheel travel	150 mm
Rear suspension	Swinging arm (Link-type suspension)
Rear wheel travel	133 mm
Front brake	Dual discs, Ø 298 mm
Rear brake	Single disc, Ø 245 mm
Front tyre	120/70 ZR18M/C (59W)
Rear tyre	160/60 ZR17M/C (69W)

DIMENSIONS

Overall length	2,180 mm
Overall width	800 mm
Overall height	1,290 mm
Seat height	825 mm
Wheelbase	1,485 mm
Min. ground clearance	160 mm
Dry weight	190 kg
Fuel tank capacity	20 litres
Oil tank capacity	4.7 litres

Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Specifications and appearance of Yamaha products shown here may vary according to requirements and conditions, and are subject to change without notice. For further details, please consult your Yamaha dealer.

VDBMA (Very Dark Blue Metallic A)



S3 (Silver 3)



RYC1 (Reddish Yellow Cocktail 1)



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