

# YAMAHA YZF1000R Thunderace





# YZF1000R Thunderace. Riding the storm.

The day of reckoning has arrived. From this moment on things are about to change. Because the new Thunderace is ready.

And it has got the muscle to get its own way. Every time!

Short wheelbase Deltabox chassis has been lifted straight from our World Championship Superbike racers to give this new generation supersport bike ultra responsive handling.

Featuring fully adjustable suspension systems, lightweight high performance brakes and wide section radials, the mighty YZF-R is built to blitz your favourite twisty back road!

Packing a massive mid to high rpm punch, the 1,000 cc slant block engine blasts out phenomenal standing start and roll on acceleration that has to be experienced to be believed.

And with the most radical low drag bodywork ever seen in the supersport category, this is a machine no one can ever ignore.

Or hide from.





## Blow them away.

Everybody knows that there is no real substitute for brute horsepower. Which is why Yamaha's engineering team created a full size one litre engine for the new Thunderace.

And it is without a doubt the most outrageous powerplant ever developed for a supersport motorcycle!

Inside its proven slant block layout you'll find completely revamped internals designed to pump even more power over a wider rpm band.


Totally new lightweight crank runs high durability forged pistons that generate massive mid speed thrust together with remarkable pickup over the whole rev range—and to maintain optimum efficiency a curved dual fan radiator is fitted.

For super responsive throttle action the new style 38 mm downdraft carburetors feature a Throttle Position Sensor (TPS) linked directly to the YZF-R's digital ignition system and torque-boosting EXUP.

And with reprofiled high performance camshafts operating its 5-valve heads, the new Thunderace has the power to lose just about anything on wheels!







## One litre 750.

There was a time when a big engine meant a big chassis.

Now everything has suddenly changed.

Technology has surged ahead. And with the launch of Yamaha's compact new YZF1000R Thunderace the focus of attention has shifted right back to the one litre supersport class.

All-new lightweight chassis has been constructed using virtually the same dimensions as our YZF factory Superbike racer. Ultra rigid short wheelbase Deltabox frame holds its line like a high speed express train. And with its 24 degree caster angle, 97 mm trail and low centre of gravity, the Thunderace reacts instantly to rider inputs.

Super stiff aluminium swinging arm and class leading 48 mm cartridge forks allow full suspension adjustment for precision control—while dual 298 mm floating discs and powerful 4-pot callipers produce enormous stopping friction.

And in addition to cloning our Superbike racer's razor-sharp geometry the YZF-R also runs with the same idealised riding position to give you superb comfort and excellent control.

New Thunderace. 1,000 cc performance, Superbike precision.

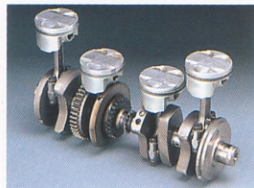


# YZF1000R TECHNICAL SPECIFICATIONS

## ENGINE



- Engine**
- \* One litre slant block design
  - \* 5-valve heads
  - \* Massive power output



- Pistons**
- \* High durability forged pistons
  - \* Low reciprocating weight
  - \* Excellent throttle pickup

Type .....Liquid-cooled, 4-stroke DOHC,  
Forward inclined parallel 4-cylinder  
Displacement .....1,002 cc  
Bore and stroke .....75.5 x 56.0 mm  
Compression ratio .....11.5 : 1  
Max. power (DIN) .....145 HP (106.7 kW) @ 10000 rpm  
(ISO) .....137.8 HP (103 kW) @ 10000 rpm  
Max. torque .....11 kg-m (108 Nm) @ 8500 rpm  
Starting system .....Electric



- Carburetors**
- \* New 38 mm down-draft carburetors
  - \* Throttle Position Sensor (TPS)
  - \* Instantaneous response

Carburation .....BDSR38 x 4  
Lubrication .....Wet sump

## TRANSMISSION



- Transmission**
- \* Smooth action clutch
  - \* 5-speed transmission
  - \* slick shifting design

Primary reduction ratio .....68/41 (1.659)  
Secondary reduction ratio .....46/17 (2.706)  
Transmission type .....5-speed constant mesh  
Gear ratio 1st .....36/14 (2.571)  
Gear ratio 2nd .....32/18 (1.778)  
Gear ratio 3rd .....29/21 (1.381)  
Gear ratio 4th .....27/23 (1.174)  
Gear ratio 5th .....28/27 (1.037)  
Final transmission .....Chain  
Ignition .....T.C.I. (Digital)

## VRC1 (Vivid Red Cocktail 1)



## BL2 (Black 2)



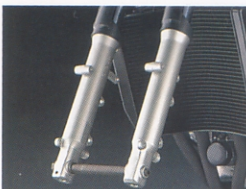
## CHASSIS



- Frame**
- \* High rigidity aluminium Deltabox frame
  - \* Short wheelbase
  - \* YZF Superbike based geometry

Overall length .....2,085 mm  
Overall width .....735 mm  
Overall height .....1,170 mm  
Seat height .....795 mm  
Wheelbase .....1,435 mm  
Minimum ground clearance .....135 mm  
Dry weight .....198 kg  
Caster angle .....24°  
Trail .....97 mm  
Fuel tank capacity .....19 L  
Fuel reserve amount .....4 L

## SUSPENSION



- Front forks**
- \* Cartridge type front forks
  - \* Fully adjustable
  - \* Flex resistant 48 mm tubes



- Rear suspension**
- \* Monocross rear suspension
  - \* Fully adjustable
  - \* Lightweight aluminium swinging arm



Front suspension .....Telescopic fork  
Front shock .....Rebound/compression adjustable  
Front fork travel .....120 mm  
Rear suspension .....Monocross  
Rear shock .....Rebound/compression adjustable  
Rear shock travel .....65 mm  
Front wheel travel .....120 mm  
Rear wheel travel .....120 mm  
Front tyre size .....120/70 ZR17  
Rear tyre size .....180/55 ZR17

## FRONT WHEEL

Rim size .....MT3.50 x 17  
Rim material .....Aluminium

## REAR WHEEL

Rim size .....MT5.50 x 17  
Rim material .....Aluminium



- Tyres**
- \* High traction radial tyres
  - \* 120/70 ZR17 front
  - \* 180/55 ZR17 rear
- Wheels**
- \* Cast alloy wheels
  - \* Hollow 3-spoke design
  - \* Low unsprung weight

## BRAKES

Front brake type .....Dual disc brakes (298 mm)  
Rear brake type .....Single disc brake (245 mm)



- Front/Rear brake**
- \* 298 mm dual front discs/4-pot callipers
  - \* 245 mm rear disc/2-pot calliper



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.

DEALER

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