YAMAHA YZF750R/7505P





Designed without compromise. Built to win.

Never before has Yamaha created a production bike so sharply focused as the YZF750. In fact when we set out to develop this Superbike racer based machine, the design brief we gave our engineering team was absolutely clear cut.

> We asked them to construct a class leading motorcycle using only the most advanced engine and chassis technology available.

It was the kind of project every motorcycle engineer dreams about. And the end result is the YZF750SP racer and YZF750R road model-surely two of the most outstanding 750 cc supersport machines of the nineties.

Deltabox frame ensures immense rigidity under the most extreme race conditions-while fully adjustable front and rear suspension on both the R

and SP permits accurate chassis tuning to achieve optimum performance. Featuring a 5-valve head layout, throttle and gear position sensors (TPS

and GPS), and our unique EXUP system (Exhaust Ultimate Powervalve), the 749 cc in-line four cylinder engine pushes

out massive waves of high intensity horsepower. And with its leading slant block layout, the centre of gravity is kept low for precision handling characteristics.

Yamaha YZF750SP and YZF750R. Two advanced models. One clear goal, And absolutely no compromises.



And it is this ongoing cycle of

principle to develop our sophisticated supersport models. But our idea of scale is measured in months, not

today our global sporting activities Championship as well as Grand Prix road

racing in every category. we also use our racing machines as an

integral part of our research and development programme-because we believe that no amount of computer factory riders and technicians. And so

that has made Yamaha one of the world's leading manufacturers. And it is how we are able to create such remarkable supersports machinery like the YZF750R and YZF750SP. Every single aspect of these winning

machines is a direct spin-off from the race track. Originally created for our Grand Prix machinery, the aluminium block layout, 5-valve cylinder head

YZF750R/SP. A new species of

right through to the red line.

3) For added security the road going Riversion features a

under the flip-up seat.

4) To help deter potential criminals with a specially hardened anti-theft











Feeding each cylinder head via short, straight inlet track and three inlet valves, the FCR carburettor's downdraft configuration makes for outstanding acceleration together with race winning power output.

Engine/Cylinder head YZF750SP's slant block engine is the most

technologically advanced in-line four-cylinder engine ever developed by Yamaha, and has been specifically built to compete at the highest level in Superbike racing. Developed using our famous Genesis

approach to engine design in which the engine and chassis are created in unison rather than as separate entities, this high performance



One of the most ingenious features to be seen on the SP is its very special 5-valve cylinder head layout. Originally developed for our factory race machinery, this advanced system incorporates three inlet and two exhaust valves in each low volume combustion chamber. Exclusive to Yamaha, this 5-valve system ensures highly

efficient intake and exhaust gas flows for superior performance. In addition to its unique cylinder head design the YZF750SP also features a very narrow valve angle which further enhances overall output-which combined with the 72

mm bore and short 46 mm stroke makes for a free revving engine with instant pickup and massive high rpm power.





SP's specially developed curved radiator combines a large surface area with low overall

Equipped with dual thermostatically controlled fans, this highly efficient competition specification cooling system helps maintain a consistent engine temperature during prolonged high rpm racing conditions.

A direct spin-off from our factory racers, the

SP's exhaust is equipped with EXUP

(Exhaust Ultimate Powervalve), a



boosts mid-range performance, giving the YZF750SP a real advantage both off the start line and when

accelerating hard away from slower corners.

To match the characteristics of its high performance racing specification engine the SP

model is equipped with a 6-speed close ratio transmission. Driving through a wet clutch and 16/39 sprocket combination.

this smooth action gearbox rider to make full use of the machine's

powerband in a wide variety of track conditions—and to optimise ignition efficiency the YZF also Position Sensor (GPS)

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YZF750SP's advanced

using large diameter 41 mm tubes which are suppersion action. Together with the narrow pitch layout of the outer tubes this high rigidity front end delivers extremely precise

for sharper chassis performance these 120 mm well as rehound and compression damping.

Rear suspension/Swinging arm

Bared closely on the class leading system technologically superior designs in the

Manufactured from stiff box section remarkably low weight makes for

Heart of the Monocross system 130 mm of firm travel. Offering

rebound damping, this competition specification rear wide variety of conditions. And with its ride can be raised or lowered to reduce squat.



so we've equipped the diameter floating front discs lowed by remarkably 45 mm disc and lightweight eping ursprung weight

Front/Rear brakes

The Science of Control

Superbike racers, the SP's short wheelbase alloy Deltabox frame incorporates the slant block engine as a fully stressed member to create an

With its massive twin aluminium spars flowing from the heavy duty steering head down to the high rigidity cast alloy swinging arm pivot assembly, this race proven design resists flex even during the most aggressive braking and cornering. And that's one of the reasons that the YZF is just about the sharpest handling 750 you will ever experience!

YZEZSOSP's Monocross rear and amploys a highly conhisticated Ohlins



vibration-damping end weights.

To attain one of the lowest drag factors in the

Location and angle of

has been designed

and helps the SP achieve race winning top

Detachable rear sub-frame

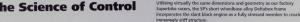
In addition to ensuring massive chassis rigidity clear access to the downdraft carburettorsand to simplify routine maintenance the SP's lightweight aluminium sub-frame is fully





120/70 ZR17 front tyre and massive 180/55 unsprung weight to a minimum for super

nandling





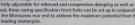
together with high levels of resistance to the flexing and twisting forces generated under competition conditions.

This has been achieved by the use of rigid 41 mm tubes and huge aluminium triple clamps which keep their shape under intense stresswhile the narrow pitch of the fork legs counteracts torsional forces transmitted through the 17-inch front wheel.

preload, these racing specification front forks can be set up in conjunction with the Monocross rear end to achieve the maximum potential from this class leading motorcycle. With its lightweight alloy Deltabox frame, high rigidity truss type

swinging arm and fully tuneable front and rear suspension systems, the YZF750SP is ready to race.

And equipped to win.









YZF750R/SP TECHNICAL SPECIFICATIONS

ENGINE ...Liquid-cooled. 4-stroke DOHC. Type... Forward inclined parallel 4-cylinder Displacement......749 cc Bore and stroke72 x 46 mm Compression ratio......11.5:1 Max. power

(DIN).....125 PS (92 kW) @ 12,000 rpm (ISO)119 PS (87 kW) @ 11,000 rpm Max. torque......8.1 kg-m (79.4 Nm) @ 9,500 rpm LubricationWet sump Carburation(R) Mikuni BDST38/4 (SP) Keihin FCRD 39/4 Ignition....T.C.I. (Digital) Starter system.....Electric Fuel tank capacity.....19 litres Oil tank capacity..... ...4 litres

....6-speed

....Chain

Transmission

Final transmission....

CHASSIS	
Overall length	2,160 mi
Overall width	730 mi
Overall height	(R) 1,165 mi
	(SP) 1,145 m
Seat height	785 mi
Wheelbase	1,420 mi
Min. ground clearance	
Dry weight	(R) 196 k
	(SP) 193 k
Front suspension	Telescopic for
Rear suspension	
	(Link Suspension
Front brake	
Rear brake	inale disc, 245 mm
Front tyre	
- ,	

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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