



Carve with confidence

The key to the NIKEN's outstanding sports and touring performance is its high-tech front end. With its dual leaning front wheels, this unique design creates a large contact patch with the road, giving many advantages.

When you lean the NIKEN you'll experience a natural, planted feeling that gives added handling confidence - both through fast corners and also riding on a wide range of road surfaces in the wet or dry.

And as you'd expect with such an advanced motorcycle, the NIKEN is fully equipped with a wide range of electronic control technology including YCC-T, D-MODE, Cruise Control and TCS - as well as an A&S clutch and Quick Shifter.



- Totally new concept in the motorcycle industry
- Unique corner carving abilities
- Feelings of front end grip, confidence and braking
- Radical, bold and unique design
- Advanced leaning multi-wheel technology
- Deep lean angle, maximum 45 degrees
- Ackerman steering, double upside down front forks
- Around 50:50 weight distribution with rider
- Fully adjustable rear suspension
- 847cc, 3-cylinder, liquid-cooled, DOHC CP3 engine
- TCS, QSS, A&S clutch, D-MODE, Cruise Control

Ride the Revolution

The radical new NIKEN is part of your tomorrow. And it is ready to open up a whole new dimension in riding control.

Featuring our unique leaning multi wheel technology, this radical and versatile new 3-wheel motorcycle looks, rides and feels like nothing else. Twisting roads are its natural playground. And with dual leaning front wheels giving you enhanced feelings of grip, the NIKEN can corner carve with total confidence.

With its bold and futuristic body design, the NIKEN projects a commanding presence. And its torque rich 847cc 3-cylinder engine and lightweight hybrid chassis ensure thrilling sports performance and long distance comfort. Ride the Revolution.



Leaning multi wheel (LMW) technology

The NIKEN's advanced leaning multi wheel (LMW) design delivers an exciting and confident cornering experience. Consisting of parallel quadrilateral arms and cantilevered telescopic suspension, Yamaha's unique Ackermann design gives enhanced feelings of stability and grip when cornering in a wide range of surface conditions.



Bold and futuristic design

With its two leaning front wheels, dual tube upside down forks and broad shouldered stance, the NIKEN projects an imposing and radical look that reflects its revolutionary riding character. The muscular and athletic body design features a futuristic dual headlight cowl and integrated fuel tank that create a bold and unique profile.



Hybrid frame

To achieve a natural steering feeling with sport bike agility and confident corner carving performance, a specially developed hybrid frame is used. The cast steel steering head is joined to the cast aluminium swingarm pivot area by steel tubing to give the required levels of strength, rigidity and flexibility precisely where they are needed.



847cc 3-cylinder CP3 engine

The NIKEN's torque-rich 847cc 3-cylinder engine has been developed from the outstandingly successful design used in Yamaha's MT-09 and Tracer 900 models. Special fuel injection settings are used to achieve strong performance in twisty and challenging riding situations - and a special crank design gives excellent driveability and smooth starts.



Sports cowl with dual LED headlights

The broad, downward curving front cowl is equipped with dual LED headlights that underline the NIKEN's sporty and confident character, and the dual position lights help to emphasize the strong and planted look of the dual front wheels. YZF-R1 derived mirrors feature integrated LED turn signals to enhance the bold and futuristic looks.



Deep 45 degree bank angle

The high-tech front end features dual 15-inch wheels with specially developed 120/70R15 tyres that provide high levels of grip for enhanced feelings of confidence when braking and cornering. With a 410mm track, this sophisticated LMW front end design delivers deep banking angles of up to 45 degrees, to give you an unique experience in corner carving.

Engine

Engine type	3-Cylinder; 4-stroke; Liquid-cooled; DOHC; 4-valves
Displacement	847 cm ³
Bore x stroke	78.0 mm x 59.1 mm
Compression ratio	11.5 : 1
Lubrication system	Wet sump
Clutch Type	Wet; Multiple Disc
Ignition system	TCI
Transmission system	Constant Mesh; 6-speed
Final transmission	Chain
Maximum power	84.6kW (115.0PS) @ 10,000 rpm
Maximum Torque	87.5Nm (8.9kgf+m) @ 8,500 rpm

Chassis

Frame	Diamond
Front suspension system	Double upside down telescopic forks
Front travel	110 mm
Rear suspension system	(Link type suspension)
Rear Travel	125 mm
Front brake	Hydraulic double discs, Ø298mm
Rear brake	Hydraulic single disc, Ø282 mm
Front tyre	120/70 R 15
Rear tyre	190/55 R 17
Remark	Dual front tyres
Caster Angle	20°
Trail	74mm
Track	410mm

Dimensions

Overall length	2,150 mm
Overall width	885 mm
Overall height	1,250 mm
Seat height	820 mm
Wheel base	1,510 mm
Minimum ground clearance	150 mm
Wet weight (including full oil and fuel tank)	263 kg
Fuel tank capacity	18L
Oil tank capacity	3.4L