





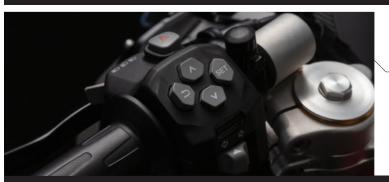
Crafted to Overcome, Crafted to Outperform.

#PureRacecraft



THE ULTIMATE TRACK WEAPON

The TVS Apache RR310 takes Racecraft to the next level. The race machine features a 312 cc reverse inclined DOHC engine with throttle-by-wire and four unique ride modes, to overcome any condition. Its SmartXonnect enabled multi information race computer pairs with your smartphone to display essential notifications and race telemetry. The eternal need to outperform the competition is embodied by this power packed technological marvel, the most advanced TVS Apache RR310 yet.



Control Cubes

The control cubes on the handlebar allow the rider to switch between any of the four rides at the touch of a button while on the go. The control cubes also help the racer navigate through the multi information race computer and provide access to essential riding data and personalised widgets.

CRAFTED TO OVERCOME



Track Mode

The track mode unleashes the full power of the race machine, and optimises the ABS response for late braking into corners with confidence and ease. The display clears up to show race telemetry and disables other notifications. The SmartXonnect app displays a detailed post-race analysis directly on your smartphone.



Urban Mode

The urban mode allows for linear acceleration and deceleration, along with smooth and controlled movement. The multi information race computer displays essential information, navigation, and cellular notifications for your commute. The ABS is optimised for a quick response with minimal lever pulsation.



Rain Mode

The rain mode primes the ABS to deliver the maximum response with a strong lever pulsation feel, to safely power you through the storm. The enhanced rear-wheel lift-off protection improves safety and stability on wet roads,

providing ultimate control of the race machine.



The sport mode allows for maximum acceleration as well as optimised deceleration, engine braking, and ABS response.

The multi information race computer displays relevant touring data including navigation, distance, and estimated time of arrival.





CRAFTED TO OUTPERFORM

Bluetooth Enabled SMART System

The SmartXonnect links your smartphone to your race machine. The intelligent system displays in-depth post ride analysis and race telemetry including gear shifting points, G-force, best lap time, and more. This is all the data a racer needs to hone and perfect their craft.



Throttle-by-Wire

The state-of-the-art electronic throttle control (ETC), replaces the conventional throttle cable with multiple electronic sensors.

The system is tuned for each ride mode to keep the track weapon ahead in any race condition.



Glide Through Technology+

Tuned for the urban and rain modes, GTT+ enables an extremely smooth and controlled ride.

The bike is set in motion with a slow release of the clutch lever, without any throttle operation. This allows for quick launches off the line.







Race Tuned Slipper Clutch

The Race Tuned Slipper Clutch allows for rapid downshifts while preventing rear wheel hop. The assist function tightly binds the clutch plates during acceleration, allowing for increased torque carrying capacity with reduced clutch engagement force.

Liquid-Cooled-Oil-Coolant Technology

- Provides efficient thermal management
- Keeps the high-revving engine cool in long race distances

Volumetric Efficiency

The cylinder head down draft port with button tappet arrangement provides an **8% increase** in volumetric efficiency.

CRAFTED FOR POWER



Unique Reverse Inclined DOHC Engine

The BS6 compliant, race-derived 312 cc power plant peaks at 9,700 RPM. The Lite KS cast piston with a Nanofriks coating reduces friction and provides blistering performance.



Compact Engine Design

The horizontally split crank case keeps the engine compact while providing blistering performance.

- Best-in-class power-to-weight ratio
- 0-60 in 2.93s
- Top speed of 160 km/h

Track Tuned 6-Speed Gearbox

The racing gearbox has negative back rack gears for precision shifts and auick launches.





Racing Origin Trellis Frame

- The light weight trellis frame provides high dynamic stiffness
- The forged aluminium die-cast swing arm offers greater stability

CRAFTED FOR AGILITY

Race-Tuned KYB Suspension

- · Honed and tuned by experts from KYB
- Monoshock with Monotube floating piston technology
- Hydraulic stopper with check valves provides better damping

Superior Road 5 Tyres

Engineered with next-gen compounds and featuring Michelin's patented ACT+ technology, these tyres provide the ultimate grip for cornering and a superior ride feel. The patented siped tyre treads expel maximum water, delivering best-in-class wet grip. The rigidity of the tyres offers superior road feedback, allowing the rider to respond to any road condition.



Dual Channel ABS

The dual channel ABS prevents wheel lock, and rear wheel liftoff protection keeps the racer's wheels on the track, even when braking late into corners.







Multi Information Race Computer

Assert your race machine's technological superiority with the new SmartXonnect enabled 5 inch TFT display. The display features dedicated interfaces and graphics for the four unique ride modes.

Now comes with intelligent and advanced cluster features like –

- Digi Docs: An intelligent feature to transfer images and documents from the TVS Connect App to the TFT display. Store and view up to three documents for easy access during your journey.
- Dynamic rev limit indication to alert the rider on the engine temperture and rev limit to enhance safety and engine durability.
- · Overspeed indication to advise the rider to stay within the speed limit.
- Day trip meter to track and display daily ride statistics such as distance covered, time traveled, average speed, top speed, fuel consumption and more.



CRAFTED TO IMPOSE



Bi-LED Twin Projector Headlamps

A first in its class, the headlamps provide clear visibility even in harsh racing conditions.

Aggressive Stance

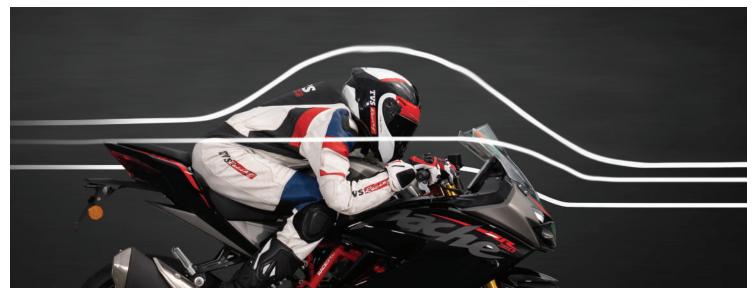
Inspired by the shark, the TVS Apache RR310 is designed with a raked-high tail and a forward weight bias, to make it streamlined.

Racing Ergonomics

- Honed using static and dynamic ergonomic testing
- Gives the racer ultimate control on the track









CRAFTED BY THE WIND

Ram-Air Intake

Provides thermal management by channelling air towards the engine.

Gill Vents

- •Channel hot air away from the engine
- Patented deflector cowl diverts hot air away from the racer

Advanced Aerodynamics

Extensive designing and testing in a state-of-the-art wind tunnel has yielded the best-in-class coefficient of drag. The TVS Apache RR310 achieves maximum downforce, minimum wind blast and a higher top speed. The shape and contours of the bike and aerodynamically designed windshield make it slice through the air and the competition.



SPECIFICATIONS

#PureRacecraft

Engine

Туре SI, 4 stroke, 4 valve,

Single cylinder, Liquid cooled, Reverse inclined

Engine Capacity

Maximum Power Sport and Track mode -25 kW @ 9700 engine rpm

(34 PS @ 9700 engine rpm)

Urban and rain mode - 19 kW @ 7600 engine rpm

(25.8 PS @ 7600 engine rpm)

Maximum Torque Sport and Track mode - 27.3 Nm @ 7700 engine rpm

Urban and rain mode - 25 Nm @ 6700 engine rpm

Bore 80 mm Stroke 62.1 mm

Bosch - Closed loop EFI Fuel Injection

Bore to Stroke Ratio

Throttle control Electronic throttle control with multiple ride modes

Starting Electric start 1700 ± 200rpm Idle speed

Ianition Dynamically controlled integrated

high energy ignition system

Compression Ratio 10.9:1 Air Filter Dry Paper filter

Cooling System Liquid cooled

Muffler Single pipe and single body design

Clutch Wet multi plate - 7 plate design, RT slipper clutch

0.144 kW/kg

Gear Box 6 speed

Chassis and Suspension

Frame Trellis frame, split chassis Front Suspension Inverted cartridge telescopic fork Rear Suspension

Two arm Aluminium die-cast swingarm

Mono tube floating piston gas assisted shock absorber

Fuel Tank Capacity

Power to Weight Ratio

Full 11 I

Dimension

1135 mm Heiaht 2001 mm Length Width 786 mm Wheelbase 1365 mm Ground Clearance 180 mm Saddle Height 810 mm

Electrical

Battery 12V. 8Ah

Headlamp Bi-LED projector, 30W @ 13 V

Tail Lamp LFD 4 W

Instrument cluster 5" TET screen connected cluster

Wheel and Tyre

Rim Size (front) MT 3.0 x 17 Rim Size (rear) MT 4.0 x 17

Tyre Size (front) 110/70-ZR17 M/C 54W Tubeless -

Michelin ROAD 5

150/60-ZR17 M/C 66W Tubeless -Tyre Size (rear)

Michelin ROAD 5

Brake

Front Disc 300mm Petal type with ABS Rear Disc 240mm Petal type with ABS

ABS With 3 ride modes

Brake Fluid DOT 4

Weights

Kerb Weight 174 kg Max Payload 130 kg

Perfromance

Max speed 160 km/h - Sport and Track mode 125 km/h - Urban and Rain mode

Acceleration 0-2sec (speed in km/h) 46.77 km/h 0-60km/h (time in sec) 2.93 s 0-100km/h (time in sec) 7.17 s





