



**Crafted to be invisible.
Crafted to stay invincible.**

CRAFTED BY THE WIND



Advanced Aerodynamics

Extensive designing and testing in a state-of-the-art wind tunnel has yielded the **best-in-class** coefficient of drag.

Ram-Air Intake

Provides thermal management by channelling cool air onto the engine.

Gill Vents

Patented deflector cowl diverts hot air away from the racer.

CRAFTED TO IMPOSE



Aggressive Stance

Inspired by the Shark, the Apache RR 310 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.

Unique Reverse Inclined DOHC Engine

The race-derived 312cc power plant peaks at 9,700 RPM, while the Lite KS cast piston with Nanofriks coating, reduces friction.



CRAFTED FOR POWER

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.**

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.

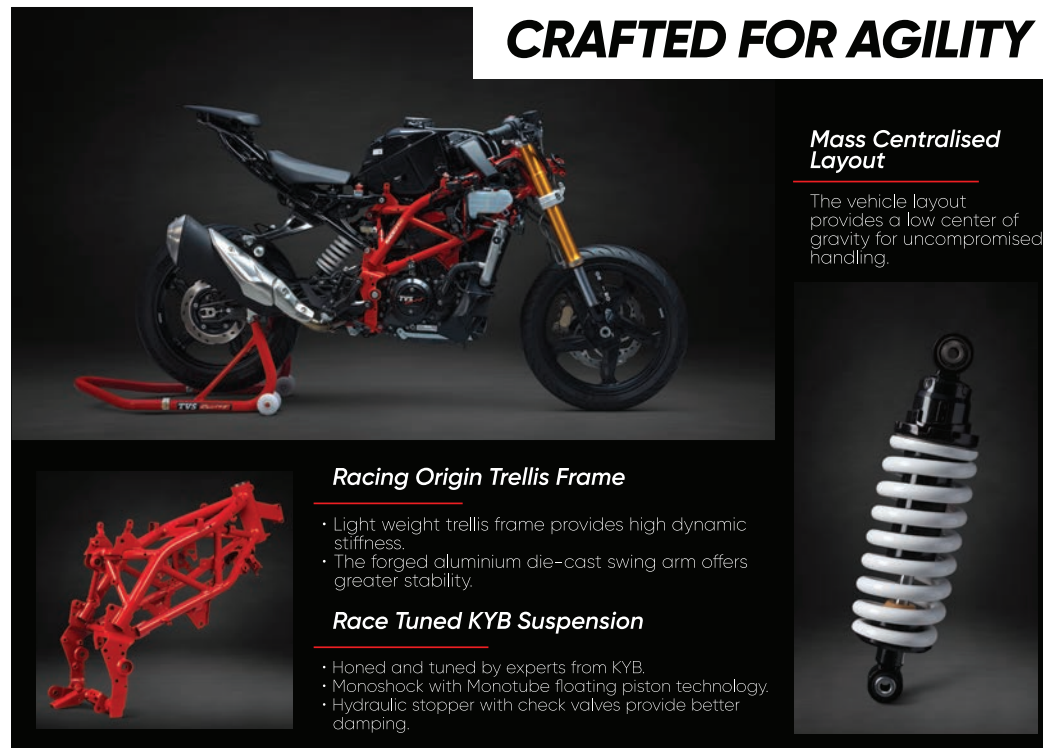
RACE TUNED SLIPPER CLUTCH

The slipper function allows for rapid downshifts while preventing rear wheel hopping. The assist function tightly binds the clutch plates during acceleration to provide enhanced torque carrying capacity of clutch with reduced clutch operating force.

Track Tuned 6-Speed Gearbox

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

CRAFTED FOR AGILITY



Mass Centralised Layout

The vehicle layout provides a low center of gravity for uncompromised handling.

Racing Origin Trellis Frame

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

Race Tuned KYB Suspension

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



On-Board Race Computer

- Race inspired vertical design.
- Provides lap timing, gear shift indicator and race diagnostics.

Bi-LED Twin Projector Headlamps

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

SPECIFICATIONS

#PureRacecraft

Engine

Type	SI, 4 stroke, 4 valve, Single cylinder, Liquid cooled, Reverse inclined
Engine Capacity	312.2 cc
Maximum Power	25 kW @ 9700 engine rpm (34 PS @ 9700 engine rpm)
Maximum Torque	27.3 Nm @ 7700 engine rpm
Bore	80 mm
Stroke	62.1 mm
Carburettor/Fuel Injection	Bosch Closed loop EFI
Bore to Stroke Ratio	1.29
Starting	Electric start
Idle speed	1700 ± 200rpm
Ignition	Dynamically controlled integrated high energy ignition system
Power to Weight Ratio	0.147 kW/kg
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
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

Full	11 L
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Dimension

Height	1135 mm
Length	2001 mm
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	LED 4 W

Wheel and Tyre

Rim Size (front)	MT 3.0x17
Rim Size (rear)	MT 4.0x17
Tyre Size (front)	110/70-R17 M/C 54H Tubeless
Tyre Size (rear)	150/60-R17 M/C 66H Tubeless

Brake

Front Disc	300mm Petal type with ABS
Rear Disc	240mm Petal type with ABS
Brake Fluid	DOT 4

Weights

Kerb Weight	169.5 kg
Max Payload	130 kg

Performance

Max speed	160 km/h
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



TVS *Racing*

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Crafted to be invisible. Crafted to stay invincible.
The ultimate track weapon, now in Phantom Black.

#PureRacecraft

Apache
RTR
310
RACING DNA UNLEASHED

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TVS MOTOR COMPANY LIMITED, P.B. No.4, Harita, Hosur, 635109, Tamil Nadu, India.
Telephone: +91 (4344) 276780. Fax: +91 (4344) 276878 / 277311 www.tvsapache.com