


NOT JUST A  
SPORTS BIKE,  
IT'S A  
**RACE  
MACHINE.**

 **0-60km/h  
in 4.73 sec\***



**Apache**  
RTR 160 4V  
RACING DNA UNLEASHED

TVS APACHE RTR 160 4V SPECIFICATIONS >

**ENGINE & HANDLING**

Type	SI, 4 stroke, Oil cooled
Engine Capacity	159.7 cm <sup>3</sup>
Maximum Power	12.14 kW @ 8000 rpm (16.5 PS @8000 rpm)
Maximum Torque	14.8 Nm @ 6500 rpm
Fuel Supply System	Carburetor
Valve Per Cylinder	4 valves
Starting	Electric & Kick Start
Power to Weight Ratio	0.0849 kW/kg
Gearbox	5 speed gearbox
Rear Suspension	Monoshox
Frame	Double Cradle Split Synchro STIFF
Front Suspension	Telescopic Forks

**FUEL TANK CAPACITY**

Full	12 l
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**DIMENSION**

Height	1050 mm
Length	2050 mm
Width	790 mm
Wheelbase	~1357 mm
Ground Clearance	180 mm
Saddle Height	800 mm

**ELECTRICAL**

Battery	12V, 9Ah
Headlamp	AHO 12V, 35/35W HS1 bulb, with all-time ON LED position lamp

**WHEEL AND TYRE**

Tyre Size (front)	90/90-17 49P Tubeless
Tyre Size (rear)	130/70-17 M/C 62P Tubeless

**BRAKE**

Front	270mm dia Petal Disc
Rear	200mm dia Petal Disc

Brake Fluid	'DOT 3 / DOT 4
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**WEIGHT**

Kerb Weight	145 kg
(with 90% fuel & tool kit)	



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**RACING DNA UNLEASHED**  
PRESENTING THE ALL NEW

**Apache**  
RTR 160 4V

**RACE EDITION 2.0** with **A-RT**  
SLIPPER CLUTCH





TVS *Racing*

TVS 

# Apache

## RTR 160

RACING DNA UNLEASHED

Race engineered performance.  
All-new 2019 TVS Apache RTR 160 (BS IV)



## TVS APACHE RTR 200 4V V2 SPECIFICATIONS

Figures highlighted in red indicate RTR 200 4V V2 specifications.

### ENGINE

Type	SI, 4-stroke, Oil-cooled
Displacement	197.75 cm <sup>3</sup>
No. of Cylinder	1
Max. Engine output (kW @ rpm)	15.09 kW @ 8500 rpm/ <b>15.46 kW @ 8500 rpm</b>
Max. Torque (kW @ rpm)	As per IS 10000 Part IV
Max. Torque (Nm @ rpm)	18.1 ± 0.5 Nm @ 7000 ± 300 rpm
Bore	66 mm
Stroke	57.8 mm
Carburetor / Fuel Injection	Keihin CW1(A) / <b>Bosch-Closed Loop</b>
Bore to Stroke Ratio	1.14
Valve Per Cylinder	4 Valves
Starting	Electric Start
Idle Speed	1500 ± 100 rpm
Ignition	IDI-Multi curve digital ignition / <b>Mapped Ignition System</b>
Power-to-Weight Ratio	101.2 kW per 1000kg / <b>103.8 kW per 1000kg</b>
Compression Ratio	9.7 ± 0.5 : 1
Air cleaner type	Viscous Paper Filter
Cooling System	Oil Cooler with Ram Air Assist
Muffler	Twin Pipe and Twin Barrel Design
Clutch	Wet Multi Plate clutch
Gearbox	5 Speed Gearbox

### CHASSIS & SUSPENSION

Frame	Double Cradle Split SynchroSTIFF
Type / Description	Telescopic with Hydraulic dampers
Spring	Front Suspension Telescopic forks : Spring OD:298 mm, Wire Dia:4.5 mm Rear Suspension Mono Tube - Mono Shock: Spring OD:75 mm, Wire Dia:13 mm Front : Telescopic forks, Rear : Hydraulic
Shock absorbers	

### ELECTRICAL

Battery rating (Ah)	9Ah 12V
*Headlamp	60/55 W H4 Bulb with All-Day On LED
Tail Lamp	Position Lamp LED 2.5 Wv

### FUEL TANK CAPACITY

Full	12 L
Reserve	2.5 L

### DIMENSIONS

Height	1105 mm
Length	2050 mm
Width	790 mm
Wheelbase	1353 mm
Ground Clearance	180 mm
Saddle Height	800 mm

### WHEEL & TYRE

Wheel Rim Size	Front : 1.85 x 17 (Alloy)
Wheel Rim Size	Rear : 3.50 x 17 (Alloy)
Tyre Size (front)	90/90-17 49P (Tubeless) / PIRELLI 90/90-17 M/C 49P (Tubeless) / PIRELLI 90/90-17 M/C 49S (Tubeless)

Tyre Size (rear)	130/70-17-62P (Tubeless) / PIRELLI 130/70-17 M/C 62S (Tubeless)
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### BRAKE

Front (Disc/Drum)	Disc : Ø270 mm
Rear (Disc/Drum)	Disc : Ø240 mm
Broke Fluid	DOT 3 / DOT 4

### WEIGHT

Kerb weight with 90% fuel and tool kit	149 kg
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Dry Weight	141 kg
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### PERFORMANCE

Max Speed	128 km/h in 5th gear (As per IS 10278 : 2009) <b>129 km/h</b>
Max. Engine output (kW @ rpm)	15.09 kW @ 8500 rpm/ <b>15.46 kW @ 8500 rpm</b>
Max. Torque (kW @ rpm)	<b>21.0 PS @ 8500 rpm</b>
Max. Torque (Nm @ rpm)	<b>18.1 ± 0.5 Nm @ 7000 ± 300 rpm</b>

Acceleration	
0-2sec (speed in km/h)	38 km/h
0-60km/h (time in sec)	3.95s / <b>3.9 s</b>

Above specifications are certified as per BS IV vehicle norms.  
\*\*EFI & ABS are individual variants available in selected colors only.  
\*Headlamp comes with AHO only

## TVS APACHE RTR 160 2V SPECIFICATIONS >

### ENGINE

Type	SI, 4-Stroke, Air cooled
Displacement	159.7 cm <sup>3</sup>
No. of Cylinder	1
Max. Engine output (kW @ rpm)	11.12 kW @ 8000 rpm (as per IS 10000 Part IV)
Max. Torque (Nm @ rpm)	13.03 Nm @ 6500 ± 300 rpm
Bore x Stroke	62 mm x 52.9 mm
Compression Ratio	9.5 ± 0.5:1
Carburetor	UCAL BS-26
Valve train	2 Valves, Single cam
Starting	Electric & Kick Start
Idle speed	1450 ± 100 rpm
Ignition	IDI-Dual mode digital ignition
Power-to-Weight Ratio	80.6kW per 1000kg

### BRAKES

Front (Disc)	270 mm
Rear (Disc/Drum)	200 mm Disc/Drum 130 mm

### WHEELS AND TYRES

Tyre (Front)	90/90-17-49P Tubeless
Tyre (Rear)	110/80-17 57P Tubeless

### WEIGHTS

Kerb weight (with 90% fuel and tool kit)	138 kg Rear Drum/139 kg Rear Disc
Max. payload	130 kg

### DIMENSIONS

Length	2085 mm
Width	730 mm
Height	1105 mm
Wheelbase	1300 mm
Ground clearance	165 mm

### ELECTRICALS

Battery rating (Ah)	12V 9Ah/6 Ah
Alternator	AC Generator
Spark plug	BOSCH SINGLE ELECTRODE
*Headlamp	35/35 W Halogen HSI, Clear lens with MFR
Tail lamp	0.5 W. LED-Twin triangle with prism on lens
Stop lamp	3.5 W
Fuse	10 A

### FUEL TANK CAPACITY

Material	Metallic
Capacity (l)	12±0.5

### TRANSMISSION

Clutch	Wet Multi-Plate Clutch
Primary reduction	65/21
Final reduction	3.385

### CHASSIS

Type	Double Cradle SynchroSTIFF
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### SUSPENSION

Front:	Telescopic with Hydraulic Dampers. 105mm Stroke
Rear:	Monotube Inverted Gas-filled shox (MIG) with spring aid

### ACCELERATION

Max. Speed	110 km/h
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Above specifications are certified as per BS IV vehicle norms.  
\* Headlamp comes with AHO only.