

Star City 110

TVS has launched its **Star City** with a new **110 cc CVTI Engine**. It replaces the earlier 100 cc Star City. The details and Pics of the new Star City has been uploaded on the TVS Website.



New 110 cc CVTI Engine

According to TVS, the **CVTI** stands for **Charge Motion Variable Timing Intelligent engine**. The **CVTI** technology is based on the principle of "**Swirl and Tumble Induction**".

So what is this "Swirl" and "Tumble".

In very simple words, when the air-fuel mixture enters the combustion chamber, the combustion will be more complete if there is turbulence. Turbulence is created in the engine of the Star City by making the air-fuel mixture "**Swirl**" horizontally like a merry go round.



The Bajaj XCD DTS-Si also incorporates the same “Swirl” feature but the new Star City also makes the air-fuel mixture **“Tumble”, i.e rotate vertically while filling up the cylinder.**

This helps in uniform mixing of fuel and air to ensure efficient combustion for superior fuel economy and reduced emission.

Features on the New 110 cc TVS Star City

The new Star City retains the electric start from the earlier 100 cc star City. It also features a new set of graphics which has the "leaping horse" from the TVS logo on its tank. The rear shocks are two way adjustable and the speedometer assembly has a blue backlit display.



Electric/Self Start



New Graphics

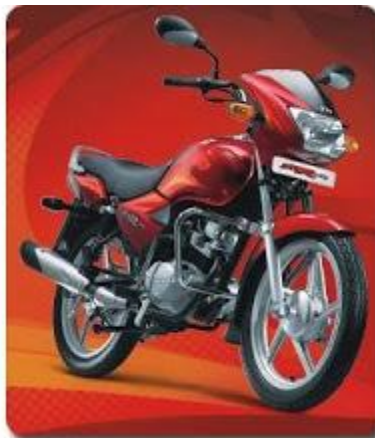
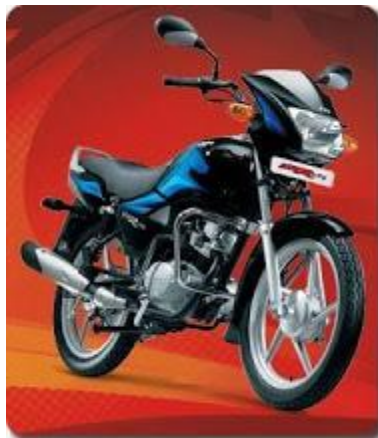


2 Way Adjustable Rear Shocks



Blue Backlit Speedometer

Colors available for the 110 cc TVS Star City.. Blue and Red.



The 110 cc CVTI Star City is available in three trims of options to choose between Spoked and Alloy wheels and only Kick Start and Electric Start..

Other "Star" Siblings from TVS Stables..

The TVS 100 cc Star Sport



Colors of the Star Sport..
Blue, Black and Silver



The rustic cousin, the 100 cc TVS Star..



Technical Specifications of both the TVS Star and the TVS Star Sport are same..

The Technical Specifications of the 110 cc TVS Star City and 100 cc TVS Star Sport are..

Technical Specifications

	Star City	Star Sport
Engine		
Type	4 Stroke, Air Cooled	4 Stroke, Air Cooled
Number of cylinders	1	1
Bore X Stroke	53.5 mm X 48.8 mm	51.0 x 48.8
Engine Displacement	109.7 cc	99.7 cc
Compression Ratio	9.8:1	9.15:1
Max. Net Power	6.1 kW (8.1 Bhp) @ 7500 rpm	5.50 kW (7.5 bhp) @ 7500 rpm
Max. Net Torque	8.1 Nm @ 5000 rpm	7.5 Nm @ 5000 rpm
Clutch	Wet, Multi-Plate	Wet, Multi-Plate
Transmission	4 speed, constant mesh	4 speed, constant mesh
Chasis		
Type	Single cradle, tubular	Single cradle, tubular
Front Suspension	Telescopic Forks, 105mm Stroke	Telescopic Forks, 110mm Stroke
Rear Suspension	Hydraulic, Co-axial spring, Triple rated, 2 way adjustable	Hydraulic, 5 way adjustable
Front Brake	130mm Drum	130mm Drum
Rear Brake	130mm Drum	130mm Drum
Front Tyre	2.75 X18 tyre	2.75 X18 tyre
Rear Tyre	3.00 X18 tyre	3.00 X18 tyre
Fuel Tank	16 litres	12 litres
Fuel Reserve	2.5 litres	2 litres
Electricals		
Ignition System	VTi with high energy ignition system	A/C Digital CDI
Head Lamp	12 V; 35/35 W	12 V; 35/35 W
Tail Lamp	12 V; 35/10 W	12 V; 5/21 W
Turn Signal Lamp	12 V; 10/10 W	12 V; 10/10 W
Dimensions		
Length	2005mm	2005mm
Wheel Base	1250mm	1250mm
Ground Clearance	165mm	165mm
Weight		
Spoke/Kick start	110 kg	Alloy/Kick Start 99 kg
Spoke/Electric start	113 kg	
Alloy/Electric start	115 kg	