

SHIVER 750

TECHNICAL SPECIFICATION

Engine

Aprilia Vtwin.

Four stroke longitudinal 90° VTwin.

Liquid cooled.

Double overhead camshaft with mixed gear/chain drive

Four valves per cylinder.

Fuel

Unleaded

Bore x stroke

92mm x 56.4mm

Total displacement

749.9 cc

Compression ratio

11 : 1

Maximum power at the crank

95 HP at 9000 rpm.

Maximum torque at the crank

8.25 kgm at 7000 rpm.

Fuel system

Integrated engine management system.

Injection with Ride by Wire technology control of the throttle bodies

Ignition

Digital electronic, integrated with the injection

Starting

Electric

Exhaust

Two in one system in 100% stainless steel with three-way catalytic converter and

Lambda probe

Generator

450 W at 6000 rpm.

Lubrication

Wet sump

Gearbox

six speed, transmission ratio:

1° 36/14 (2.57)

2° 32/17 (1.88)

3° 30/20 (1.5)

4° 28/22 (1.27)

5° 23/26 (1.130)

6° 24/25 (1.041)

Clutch

Multi-plate in oil bath, hydraulically operated.

Primary drive

Spur gears

Transmission ratio: 60/31 (1.75)

Final drive

Chain

Transmission ratio: 16/44

Frame

Modular steel trellis connected with high strength bolts to cast aluminium side plates.

Detachable rear sub frame.

Front suspension

43 mm upside-down fork.

Wheel travel 120 mm.

Rear suspension

Aluminium alloy swingarm with reinforcement truss.

Hydraulic shock absorber adjustable in spring preload and rebound damping.

Wheel travel: 130 mm.

Brakes

Front: Double stainless steel floating disc (\varnothing 320 mm) with four piston radially mounted calipers. Metal braided brake line.

Rear: Stainless steel disc (\varnothing 245 mm) with single piston caliper.
Metal braided brake line.

Wheels

In aluminium alloy

Front: 3.50 X 17"

Rear: 6.00 X 17"

Tyres

Radial tubeless;

Front: 120/70 ZR 17

Rear: 180/55 ZR 17

Dimensions

Overall length: 89 in.

Overall width: 31.4 in. (at handlebars)

Overall height: 44.6 in. (at instruments)

Seat height: 31.8 in.

Wheelbase: 56.6 in.

Trail: 4.29 in.

Rake angle: 25.7°

Dry weight

416.6 lbs.

Tank capacity

3.96 gal.