



## 2012 Husqvarna TE511

### Technical Brief

**MSRP:** \$8,999

The largest of Husqvarna's street-legal dual-purpose enduro bikes, the TE511 motor is based on the 449 powerplant, bored out an extra 3mm for bigger torque that comes on smooth and in no short supply. The revised chromoly frame and upgraded Kayaba shock synchronize with Husky's patented CTS (Coaxial Traction System), allowing the 511 to handle better than ever.

### Key Features

- **NEW** Kayaba shock is 4mm shorter and re-valved to let the rear of the bike ride lower and improve handling.
- **NEW** Kayaba 48mm open-cartridge fork re-valved to be more plush on the initial stroke, yet more rigid throughout.
- **NEW** WP radiators combine with electric fan to improve cooling circuit.
- **NEW** Simplified one-piece tail section improves aesthetics.
- **NEW** Streamlined electrical system is simpler and more direct.
- **NEW** IPD (in-mold plastic design) graphics in striking new black/red color scheme.
- **NEW** Silver anodized Excel rims.
- Ignition mapping spreads power from 477.5cc motor in an easy-to-manage, linear fashion.
- Electric start.
- Fuel injected Keihin D46 EFI system.
- Brembo hydraulic clutch.
- Polished Grimeca hubs front and rear.

### Specifications:

#### DIMENSIONS/WEIGHT/CAPACITIES:

Wheelbase: 58.66 in.

Overall Length: 89.76 in.

Overall Width: 32.28 in.

Seat Height: 37.7 in.

Rake: 25.8 degrees

Trail: 3.98 in.

Ground Clearance: 13.19 in.

Total Weight (Dry): 249.1 lbs.

Fuel Capacity: 2.51 gallons

Oil Capacity: 1.04 quarts

#### **FRAME:**

Double beam, double cradle and high resistance chromoly steel frame (round and elliptical). Light alloy sub frame

#### **SUSPENSION:**

**FORK** – Kayaba 48mm open cartridge fork featuring 11.81 inches of front wheel travel. Upside down telescopic fork features compression and rebound adjustment.

**SHOCK** – Kayaba single shock with remote reservoir, adjustable spring preload, compression (high and low speed) and rebound damping. Shock delivers 11.81 inches of travel

#### **BRAKES:**

Front: Brembo 260mm wave rotor, dual-piston floating caliper; Hydraulic actuation.

Rear: Brembo 240mm wave rotor, single piston floating caliper; Hydraulic actuation.

#### **RIMS/TIRES:**

Front: 1.60x21 Excel rim, 90/90-21

Rear: 2.15x18 Excel rim, 140/80-18

#### **ELECTRICAL:**

Battery: 12v-6Ah

Head Light: 35/35W

Pilot Light: 5W

Tail Light: LED

Turn Signals: 10W

**ENGINE:**

Type: Single-cylinder, dual overhead cam (DOHC) four-stroke

Head: 4 titanium valves in radial arrangement operated by DOHC

Displacement: 477.5cc

Bore x Stroke: 101 x 59.6mm

Compression Ratio: 12:1

Starting: Electric start

Clutch: Wet multi-plate with hydraulic control

Cooling: Liquid, 2 radiators with electric fan

IGNITION: Electronic with adjustable advance

FUEL SYSTEM: EFI with Keihin D46 throttle body

LUBRICATION: Dry sump with two oil pumps, cartridge and oil filters

TRANSMISSION: 6 speed

Ratios:

1st 32/14

2nd 30/16

3rd 23/15

4th 25/20

5th 24/23

6th 22/24