



Buell® Lightning® Long XB12Ss MY08 Technical Specification:

Engine

Type	Air/oil/fan cooled, 4 stroke, 45° V-Twin
Displacement	1203 cc
Bore and Stroke	88.9 mm x 96.8 mm
Compression ratio	10.0:1
Valves	OHV, two valves per cylinder
Valve adjustment	Self adjusting
Fuel system	49 mm down draft DDFI III fuel injection
Exhaust	Tuned, tri-pass resonance chamber with InterActive valve and mass-centralised mounting
Intake	Zero resistance air box
Power*	94 hp / 95 PS / 70 kW @ 6800 rpm (EU Standard EC95/1)
Torque*	77 ft. lb / 104 Nm @ 6500 rpm (EU Standard EC95/1)
Lubrication	Dry sump / 2.4 litres capacity
Oil filtration	Screw-on disposable element

Chassis

Frame	Aluminium frame with Uniplanar™ powertrain vibration isolation system, fuel in frame
Wheelbase	1360 mm
Rake	23.5°
Trail	119 mm
Front fork	43 mm Showa® inverted fork with adjustable compression damping, rebound damping and spring preload
Rear shock	Showa® coil-over monoshock with remote, under-seat reservoir and adjustable compression damping, rebound damping and spring preload
Suspension Travel	
<i>Front wheel</i>	120 mm
<i>Rear wheel</i>	126 mm
Front brake	ZTL™ -type brake, 6-piston, fixed caliper, 375 mm single sided, inside out, stainless steel, floating rotor
Rear brake	240 mm stainless steel, single piston, floating caliper, fixed rotor
Front wheel	6-spoke ZTL™ cast, 3.5 in x 17 in
Rear wheel	6-spoke ZTL™ cast, 5.5 in x 17 in
Front tyre	Pirelli® Diablo T 120/70 ZR-17
Rear tyre	Pirelli® Diablo T 180/55 ZR-17

Lean Angle	
<i>Soft Contact: Right</i>	42°
<i>Soft Contact: Left</i>	42°
<i>Hard Contact: Right</i>	50°
<i>Hard Contact: Left</i>	48°

Fuel capacity	16.7 litres
Gross vehicle weight rating	385 kg
Dry weight	179 kg
Load capacity	169 kg
Seat height	775 mm
Ground clearance	118 mm
Overall length	2070 mm
Overall width	753 mm

Transmission

Type	Five-speed, helical gear
Ratio	(1) 2.65, (2) 1.89, (3) 1.41, (4) 1.17, (5) 1.00
Primary drive	Triplex chain 1.500:1 ratio
Clutch	Wet, multiplate, compensated, reduced lever effort
Final drive	Constant path, 14 mm pitch aramid reinforced Goodyear® Hibrex® belt with Flexten® Plus technology**, 2.407:1 ratio

Instruments

Electronic speedometer, tachometer, odometer; dual resettable tripmeter; high beam, neutral, oil, low fuel (plus, odometer show miles traveled on reserve), turn signal and engine diagnostic indicator lamps; clock

Electrical

Charging system	405W peak, 30-amp, permanent magnet, single phase alternator with solid-state regulator
Battery	12 volt, 12 amp-hour
Headlight	Twin Quartz Halogen [H7] , 55-watt low beam, 55-watt high beam
Taillight	5/21 Watts
Turn signals	10W manual canceling

Colours

Body	Midnight Black, Valencia Orange Translucent Cherry Bomb Translucent
Wheels	Cherry Bomb Translucent or Black

Warranty

24 months (unlimited mileage)

* Europe only - Australian specifications to be confirmed

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