



## **Buell® Lightning® CityX XB9SX MY08 Technical Specification:**

### **Engine**

Type	Air/oil/fan cooled, 4 stroke, 45° V-Twin
Displacement	984 cc
Bore and Stroke	88.9 mm x 79.4 mm
Compression ratio	10.0:1
Valves	OHV, two valves per cylinder
Valve adjustment	Self adjusting
Fuel system	45 mm down draft DDFI III fuel injection
Exhaust	Tuned, tri-pass resonance chamber with mass-centralised mounting
Intake	Zero resistance air box
Power*	80 hp / 82 PS / 60 kW @ 7500 rpm (EU Standard EC95/1)
Torque*	58 ft. lb / 79 Nm @ 4500 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	1320 mm
Rake	21°
Trail	83.8 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>	129 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 aluminium, 3.5 in x 17 in
Rear wheel	6-spoke ZTL™ cast aluminium, 5.5 in x 17 in
Front tyre	Pirelli® Scorpion Sync 120/70 ZR-17
Rear tyre	Pirelli® Scorpion Sync 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	14.5 litres
Gross vehicle weight rating	385 kg
Dry weight	177 kg
Load capacity	180 kg
Seat height	797 mm
Ground clearance	110 mm
Overall length	1950 mm
Overall width	820 mm

### Transmission

Type	Five-speed, constant mesh
Ratio	(1) 2.65, (2) 1.89, (3) 1.41, (4) 1.17, (5) 1.00
Primary drive	Triplex chain 1.676:1 ratio
Clutch	Wet, multiplate, compensated
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	Hero Blue Translucent, Kick Ash Translucent
Wheels	Hero Blue Translucent, Black

### Warranty

24 months (unlimited mileage)

\* Europe only - Australian specifications to be confirmed

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