

## MODEL SPECIFICATIONS<sup>1</sup>

### DIMENSIONS

Overall Length <sup>6</sup>	<b>76.2 in.</b> (1935 mm)
Overall Width <sup>6</sup>	<b>28.1 in.</b> (715 mm)
Seat Height <sup>7</sup>	<b>30.5 in.</b> (775 mm)
Ground Clearance <sup>6</sup>	<b>4.35 in.</b> (110 mm)
Rake <sup>7</sup> (steering head)	21.0°
Fork Angle <sup>7</sup>	21.0°
Lean Angle <sup>8</sup> :	
• Soft Contact, Right	47°
• Soft Contact, Left	47°
• Hard Contact, Right	50°
• Hard Contact, Left	48°
Trail <sup>7</sup>	<b>3.3 in.</b> (83 mm)
Wheelbase <sup>6</sup>	<b>52.0 in.</b> (1320 mm)
Tires <sup>4</sup> (Pirelli® Diablo® Corsa III):	
• Front	120/70 ZR-17
• Rear	180/55 ZR-17
Fuel Capacity	<b>3.82 gal.</b> (14.5 L)
Reserve Fuel Capacity	<b>0.75 gal.</b> (2.8 L)
Fuel Economy <sup>2</sup> (EPA urban/highway test)	<b>48/65 mpg</b> (4.9/3.6 L/100 km)
Weight:	
• Dry Weight	<b>395 lbs.</b> (179 kg)
• Gross Vehicle Weight Rating	<b>850 lbs.</b> (386 kg)
Load Capacity	<b>379 lbs.</b> (172 kg)

### ENGINE

Engine	Thunderstorm® air/oil/fan-cooled, 4-stroke, 45° V-Twin
Valves	OHV, two valves per cylinder, self-adjusting
Bore x Stroke	<b>3.500 in. x 3.812 in.</b> (88.90 mm x 96.82 mm)
Displacement	<b>73.4 cu. in.</b> (1203 cc)
Compression Ratio	10.0:1
Fuel Delivery	49 mm down draft DDFI III fuel injection
Intake	Zero-resistance airbox
Exhaust	Tuned, tri-pass resonance chamber with InterActive valve and mass-centralized mounting
Torque (North America per SAE J607)	<b>84 ft. lbs. @ 6000 rpm</b> (113.9 NM @ 6000 rpm)
Horsepower (North America per SAE J607)	<b>103 hp @ 6800 rpm</b>
Lubrication	Dry-sump
Oil Capacity <sup>10</sup>	<b>2.5 qts.</b> (2.4 L)
Oil Filtration	Screw-on disposable element

### DRIVETRAIN

Primary Drive	Chain, 1.500:1 (57/38) ratio
Final Drive <sup>3</sup>	Constant path, 14 mm pitch aramid-reinforced Veyance Hibrex® belt with Flexten® Plus technology, 2.407:1 (65/27) ratio
Clutch	Wet, multi-plate, compensated
Transmission	5-speed, helical gear
Gear Ratios:	
• 1st	<b>2.648</b>
• 2nd	<b>1.892</b>
• 3rd	<b>1.407</b>
• 4th	<b>1.166</b>
• 5th	<b>1.000</b>

### CHASSIS<sup>4</sup>

Frame	Aluminum frame with Uniplanar™ powertrain vibration isolation system, fuel in frame
Front Forks	43 mm Showa® inverted forks 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
Wheels:	Cherry Bomb Translucent or Hero Blue Translucent
• Front	6-spoke, ZTL™ cast aluminum, <b>3.5 in. x 17 in.</b> (88.9 mm x 431.8 mm)
• Rear	6-spoke, cast aluminum, <b>5.5 in. x 17 in.</b> (139.7 mm x 431.8 mm)
Brakes:	
• Front	ZTL <sup>2</sup> ™ brake, 8-piston, fixed caliper, 375 mm single-sided, inside-out, stainless steel, floating rotor
• Rear	Single-piston, floating caliper; 240 mm stainless steel, fixed rotor
Suspension Travel:	
• Front Wheel	<b>4.72 in.</b> (120 mm)
• Rear Wheel	<b>5.06 in.</b> (129 mm)

### ELECTRIC

Battery (per Battery Council International Rating)	Sealed lead acid, maintenance-free, 12V, 12-amp/hour, 200 cca
Charging	30-amp, permanent magnet, single-phase alternator with solid-state regulator (405W @3000 rpm, 405W peak)
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamps (twin projector beam [H3])	55-watt low beam, 55-watt high beam
• Tail/Stop Lights	5W/21W
• Turn Signal Lights	10W manual canceling

### INSTRUMENTS

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

### COLORS<sup>5</sup>

Midnight Black, Arctic White

### WARRANTY

Warranty 24 months (unlimited mileage)

<sup>1</sup> Specifications for non-U.S. markets might differ. Buell reserves the right to discontinue models or change specifications at any time without incurring any obligations. Vehicle specifications may vary from country to country depending on local laws. Some models are not available in certain countries.

<sup>2</sup> Based on tests conducted under lab conditions per U.S. E.P.A. test procedures. Mileage will vary depending on personal riding habits, weather conditions, trip length and vehicle condition.

<sup>3</sup> Hibrex® and Flexten® are registered trademarks of Veyance Technologies, Inc.

<sup>4</sup> Showa®, Dunlop® and Pirelli® are registered trademarks of their respective owners.

<sup>5</sup> Availability may vary from dealer to dealer, and is subject to change without notice.

<sup>6</sup> Unladen, wet configuration (no rider, all fluids).

<sup>7</sup> Laden, wet configuration (design rider, all fluids).

<sup>8</sup> Without mirrors.

<sup>9</sup> Bottomed-out configuration (100% suspension compression).

<sup>10</sup> Oil capacity at oil change with filter.