



**MODEL SPECIFICATIONS<sup>1</sup>**

**DIMENSIONS**

Overall Length <sup>6</sup>	<b>81.3 in.</b> (2066 mm)
Overall Width <sup>6</sup>	<b>29.3 in.</b> (744 mm)
Seat Height <sup>7</sup> (Standard)	<b>30.5 in.</b> (775 mm)
Ground Clearance <sup>6</sup>	<b>5.43 in.</b> (138 mm)
Rake <sup>7</sup> (steering head)	21.0°
Fork Angle <sup>7</sup>	21.0°
Lean Angle <sup>8</sup> :	
• Soft Contact, Right	48°
• Soft Contact, Left	48°
• Hard Contact, Right	50°
• Hard Contact, Left	50°
Trail <sup>7</sup>	<b>3.3 in.</b> (84 mm)
Wheelbase <sup>6</sup>	<b>54.5 in.</b> (1385 mm)
Tires <sup>4</sup> (Pirelli® Diablo® Corsa III):	
• Front	120/70 ZR-17
• Rear	180/55 ZR-17
Fuel Capacity	<b>5.30 gal.</b> (20.1 L)
Reserve Fuel Capacity	<b>0.80 gal.</b> (3.0 L)
Fuel Economy <sup>2</sup> (EPA urban/highway test)	<b>Not Available</b>
Weight:	
• Dry Weight	<b>375 lbs.</b> (168 kg)
• Gross Vehicle Weight Rating	<b>850 lbs.</b> (386 kg)
Load Capacity	<b>390 lbs.</b> (177 kg)

**ENGINE**

Engine	Helicon™ liquid-cooled, 4-stroke, 72° V-Twin
Valves	Dual OHC, four valves per cylinder, finger follower design and shimless
Bore x Stroke	<b>4.055 in. x 2.658 in.</b> (103.00 mm x 67.50 mm)
Displacement	<b>68.7 cu. in.</b> (1125 cc)
Compression Ratio	12.3:1
Fuel Delivery	Dual 61 mm down draft throttle bodies, DDFI III fuel injection
Intake	Zero-resistance airbox, pressurized RAM air intake
Exhaust	Tuned, tri-pass resonance chamber with intergal helmholtz tuning and mass-centralized mounting
Torque (North America per SAE J607)	<b>82 ft. lbs. @ 8000 rpm</b> (111.2 NM @ 8000 rpm)
Horsepower (North America per SAE J607)	<b>146 hp @ 9800 rpm</b>
Lubrication	Dry-sump with integrated oil reservoir in lower crankcase
Oil Capacity <sup>10</sup>	<b>2.7 qts.</b> (2.6 L)
Oil Filtration	Disposable cartridge and washable strainer

**DRIVETRAIN**

Primary Drive	Helical Gear, 1.806:1 65/36 ratio
Final Drive <sup>3</sup>	Constant path, 14 mm pitch aramid-reinforced Veyance Hibrex® belt with Flexten® Plus technology, 2.815:1 (76/27) ratio
Clutch	Wet, multi-plate, Hydraulic Vacuum Assist (HVA) slipper – action clutch, hydraulic clutch lever effort
Transmission	6-speed, straight cut gears
Gear Ratios:	
• 1st	<b>2.462</b>
• 2nd	<b>1.750</b>
• 3rd	<b>1.381</b>
• 4th	<b>1.174</b>
• 5th	<b>1.042</b>
• 6th	<b>0.960</b>

**CHASSIS<sup>4</sup>**

Frame	Aluminum frame, fuel in frame
Front Forks	47 mm Showa® inverted forks with adjustable compression damping, rebound damping and spring preload
Rear Shock	Showa® coil-over monoshock with external piggyback reservoir and adjustable compression damping, rebound damping and spring preload
Wheels:	Phantom Metallic
• 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, 4 pads, fixed caliper, 375 mm single-sided, inside-out, stainless steel, floating rotor
• Rear	Two-piston, direct mount caliper; 240 mm, stainless steel, fixed rotor
Suspension Travel:	
• Front Wheel	<b>4.72 in.</b> (120 mm)
• Rear Wheel	<b>5.00 in.</b> (127 mm)

**ELECTRIC**

Battery (per Battery Council International Rating)	Sealed lead acid, maintenance-free, 12V, 12-amp/hour, 200 cca
Charging	37-amp, permanent magnet, three-phase, solid-state regulator (500W @7000 rpm, 500W peak)
Starting	900W electric with one-way clutch
Lights (as per country regulation):	
• Headlamps Type (three-bulb headlamp system with daylight running mode, 55-watt [H7])	55-watt low beam (one 55-watt bulb), 110-watt high beam (55-watt low beam with additional 55-watt bulb)
• Tail/Stop Lights	5W/21W
• Turn Signal Lights	LED manual canceling
• License Plate Light	5W

**INSTRUMENTS**

Instrument cluster with ODIS (Onboard Diagnostic Information System) featuring analog tachometer with integrated shift light, digital speedometer on LED display, odometer, ODIS service code display, 4-digit security system with ignition immobilizer, lap timer (records up to 99 lap times) and splits, ambient air temperature, coolant temperature, average and instantaneous fuel consumption, miles to next service display, low fuel (plus miles traveled on reserve); high beam, neutral, turn signals; clock

**COLORS<sup>5</sup>**

Midnight Black, Racing Red

**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®, Pirelli® and BRP-Rotax® 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.