

**DIMENSIONS**

Overall Length ⁶	78.60 in. (1996 mm)
Overall Width ⁸	28.20 in. (716 mm)
Seat Height ⁷	30.50 in. (775 mm)
Ground Clearance ⁶	4.50 in. (114 mm)
Rake ⁷ (steering head)	21°
Fork Angle ⁷	21°
Lean Angle ⁹ :	
Soft Contact, Right	48°
Soft Contact, Left	48°
Hard Contact, Right	50°
Hard Contact, Left	50°
Trail ⁷	3.30 in. (84 mm)
Wheelbase ⁶	54.60 in. (1387 mm)
Tires ⁴ (Corsa III):	
Front	120/70 ZR-17
Rear	180/55 ZR-17
Fuel Capacity	5.6 gal. (21.20 L)
Reserve Fuel Capacity	0.8 gal. (3.0 L)
Weight:	
Dry Weight	375 lbs. (170 kg)
Gross Vehicle Weight Rating	850 lbs. (386 kg)
Load Capacity	395 lbs. (179 kg)

ENGINE

Engine	Liquid-cooled, 4-stroke, 72° V-Twin
Valve Train	Dual OHC, 4 valves per cylinder, finger follower design & shimming
Bore x Stroke	4.055 in. x 2.658 in. (103 mm x 67.50 mm)
Displacement	68.70 cu. in. (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	82 ft. lbs. (111 NM @ 8000 rpm)
(North America per SAE J607)	
Horsepower	146 hp @ 9800 rpm
(North America per SAE J607)	
Lubrication	Dry-sump with integrated oil reservoir in lower crankcase
Oil Capacity	4 qts. (3.8 L)
Oil Filtration	Disposable cartridge

DRIVETRAIN

Primary Drive	Helical Gear, 0.554:1 36/65 ratio
Final Drive ³	Constant path, 14 mm pitch aramid-reinforced Goodyear® Hibrex® belt with Flexten® Plus technology, 2.593:1 (70/27) 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	2.462
2nd	1.750
3rd	1.381
4th	1.174
5th	1.042
6th	1.000

CHASSIS⁴

Frame	Aluminum frame, fuel in frame
Front Fork	47 mm Showa® inverted forks with adjustable compression damping, rebound damping and spring preload
Rear Shock	Showa® coil-over monoschock with external piggyback reservoir and adjustable compression damping, rebound damping and spring preload
Wheels:	Diamond Blue
Front	6-spoke, ZTL ² cast aluminum, 3.50 in. x 17 in. (89 mm x 432 mm)
Rear	6-spoke, ZTL ² cast aluminum, 5.50 in. x 17 in. (140 mm x 432 mm)
Brakes:	
Front	ZTL ² -type 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	4.72 in. (120 mm)
Rear Wheel	5 in. (127 mm)

ELECTRIC

Battery	Sealed lead acid, maintenance-free, 12V, 12-amp/hour, 200 cca
(per Battery Council International Rating)	
Charging	32-amp, permanent magnet, three-phase, solid-state regulator (432W @ 7000 rpm, 432W peak)
Starting	900W electric with one way clutch
Lights (as per country regulation):	
Headlamp	70-watt low beam (two bulbs, 35-watt each), 140-watt high beam (70-watt low beam with two additional bulbs, 35-watt each)
(six-bulb headlamp system with daylight running mode, 35-watt (H8))	
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

COLORS⁵

Midnight Black; Diamond Blue Frame

WARRANTY

Warranty 24 months (unlimited mileage)

¹ 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.

² 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.

³ Hibrex® and Flexten® are registered trademarks of the Goodyear Tire & Rubber Company.

⁴ Showa®, Dunlop®, Pirelli® and BRP-Rotax® are registered trademarks of their respective owners.

⁵ Availability may vary from dealer to dealer, and is subject to change without notice.

⁶ Unladen, wet configuration (no rider, all fluids).

⁷ Laden, wet configuration (design rider, all fluids).

⁸ Without mirrors.

⁹ Bottomed-out configuration (100% suspension compression).