

MODEL SPECIFICATIONS¹

DIMENSIONS

Overall Length ⁵	77.8 in. (1976 mm)
Overall Width ⁷	29.3 in. (743 mm)
Seat Height ⁸ :	
• Standard	27.5 in. (699 mm)
• Low Profile	25.5 in. (648 mm)
Ground Clearance ⁵	3.88 in. (99 mm)
Rake ⁶ (steering head)	25.0°
Lean Angle:	
• Soft Contact, Right	29°
• Soft Contact, Left	31°
• Hard Contact, Right	32°
• Hard Contact, Left	31°
Trail ⁶	3.4 in. (86 mm)
Wheelbase ⁵	55.0 in. (1397 mm)
Tires ³ (Pirelli®):	
• Front	MT75 100/80-16M/CTL 50T
• Rear	MT75 120/80-16M/CTL 60T
Fuel Capacity	2.80 gal. (10.6 L)
Reserve Fuel Capacity	0.55 gal. (2.1 L)
Fuel Economy ² (EPA urban/highway test)	69/73 mpg (3.4/3.2 L/100 km)
Weight:	
• Dry Weight	360 lbs. (163 kg)
• Gross Vehicle Weight Rating	780 lbs. (354 kg)
Load Capacity	390 lbs. (177 kg)

ENGINE

Engine	Air-cooled, 4-stroke, single-cylinder
Valves	OHV, two valves per cylinder, hydraulic adjusters, self-adjusting
Bore x Stroke	3.500 in. x 3.125 in. (88.90 mm x 79.38 mm)
Displacement	30.0 cu. in. (492 cc)
Compression Ratio	9.2:1
Fuel System	40 mm Keihin™ carburetor with auto fuel enricher system, side draft
Intake (Air Cleaner for Blast®)	Tuned, velocity expansion chamber
Exhaust	Tuned, tri-pass resonance chamber
Torque (North America per SAE J607)	30 ft. lbs. @ 3200 rpm (40.7 NM @ 3200 rpm)
Horsepower (North America per SAE J607)	34 hp @ 6500 rpm
Lubrication	Dry-sump
Oil Capacity ⁶ (Lubrication for Blast®)	2.0 qts. (1.9 L)
Oil Filtration	Screw-on disposable element

DRIVETRAIN

Primary Drive	Chain, 1.676:1 (57/34) ratio
Final Drive ³	Kevlar® belt, 2.963:1 (80/27) ratio
Clutch	Wet, multi-plate
Transmission	5-speed, constant mesh
Gear Ratios:	
• 1st	2.688
• 2nd	1.850
• 3rd	1.433
• 4th	1.181
• 5th	1.000

CHASSIS³

Frame	Wide beam HSLA steel backbone frame with built-in oil reservoir, Uniplanar™ powertrain vibration isolation, Titanium color finish
Front Fork	37 mm Showa® conventional forks
Rear Shock	Showa® non-adjustable, gas-charged compression shock
Wheels:	Stardust Silver
• Front	5-spoke cast 2.5 in. x 16 in. (63.5 mm x 406.4 mm)
• Rear	5-spoke cast 2.8 in. x 16 in. (69.9 mm x 406.4 mm)
Brakes:	
• Front	Dual piston, floating caliper; 320 mm, stainless steel, fixed rotor
• Rear	Single piston, floating caliper; 220 mm, stainless steel, fixed rotor
Suspension Travel:	
• Front Wheel	4.52 in. (115 mm)
• Rear Wheel	4.09 in. (104 mm)

ELECTRIC

Battery (per Battery Council International Rating)	Sealed lead acid, maintenance-free, 12V, 12-amp/hour, 200 cca
Charging	297W AC alternator, solid-state regulator/rectifier
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp (sealed beam)	55-watt low beam, 60-watt high beam
• Tail/Stop Lights	5W/21W
• Turn Signal Lights	10W manual canceling

INSTRUMENTS

Instruments	Electronic speedometer with LED odometer and tripmeter; built-in LED indicator lamps for low oil pressure, high beam, turn signals, neutral
Clutch	Reduced clutch effort with shorter reach lever
Shift Pedal	Fully adjustable shift pedal enables personalized fit
Body Panels	Molded-in color body panels resist dents/chips; most scratches easily buff out
Turn Signals	Flexible, resist damage
Under Seat Storage	Yes

COLORS⁴

Sunfire Yellow (new), Midnight Black

WARRANTY

Warranty	24 months (unlimited mileage)
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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 Kevlar®, Showa® and Dunlop® are registered trademarks of their respective owners.

⁴ Availability may vary from dealer to dealer, and is subject to change without notice.

⁵ Unladen, wet configuration (no rider, all fluids).

⁶ Laden, wet configuration (design rider, all fluids).

⁷ Without mirrors.

⁸ Oil capacity at oil change with filter.