

THE TRUTH

OF

THE

MATTER

LIFE IS PART MUSIC. PART MANIA. FULL THROTTLE.



2005 MOTORCYCLES

YOU'RE ON THE PATH TO SEEING THE WORLD DIFFERENTLY

YOU'LL SEE NEW BIKES. YOU'LL HEAR NEW SONGS. AND WHEN YOU'RE READY FOR A DOSE OF TWO-WHEELED TRUTH, LISTEN IN AS ERIK BUELL TELLS IT LIKE IT IS. POP IT IN AND TURN IT UP. THE JOURNEY STARTS NOW.



A dark, close-up photograph of a motorcycle engine, showing various components like the cylinder head and cooling fins. The image is dimly lit, with a focus on the mechanical details. Overlaid on the center of the image is the text "CHECK OUT THE BIKES" in a bold, white, sans-serif font. The text is slightly tilted and has a subtle drop shadow, making it stand out against the dark background.

**CHECK OUT
THE BIKES**



Firebolt® XB12R / XB9R*

A flawless chemistry of man and machine, the Firebolt isn't a motorcycle you ride. It's a motorcycle you become. Sport-minded performance is achieved through a unique blend of technological brilliance and classic V-Twin power. XB12R comes in Thrust Blue, Racing Red or Midnight Black. XB9R in Sunfire Yellow.

TORQUE	84 ft. lbs. @ 6000 rpm; 70 ft. lbs. @ 5500 rpm*
ENGINE	Thunderstorm® 1203cc, V-Twin; Thunderstorm® 984cc*, V-Twin
WHEELBASE	52.0 in. / 1320 mm
MAX LEAN	50°

2005

FIREBOLT® XB12R

COLORS



THRUST BLUE



RACING RED



MIDNIGHT BLACK

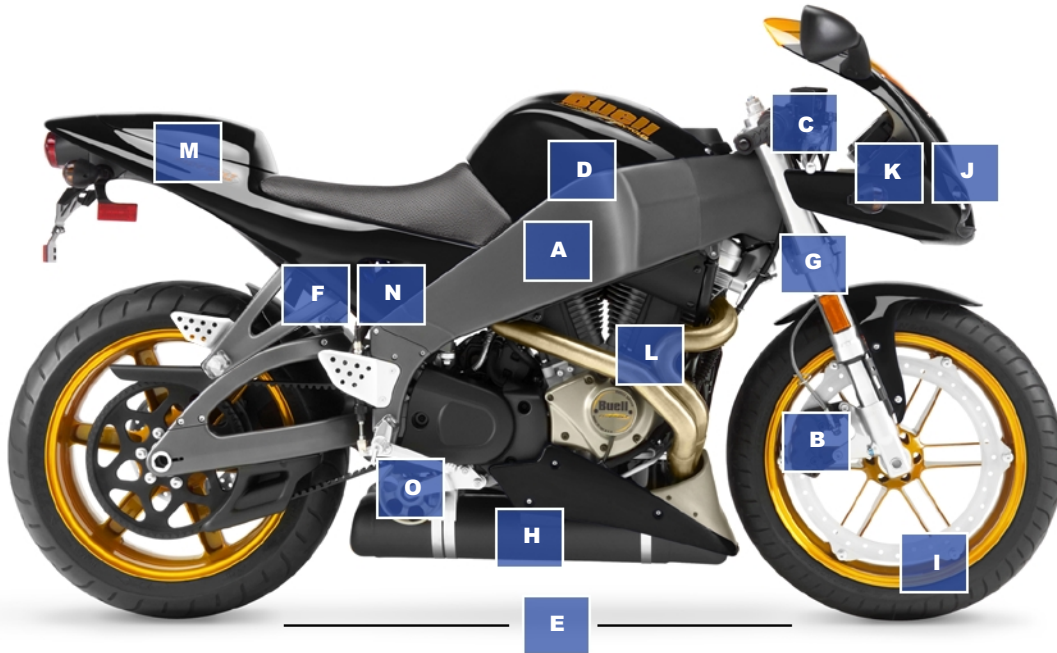
2005

FIREBOLT® XB9R

COLORS



SUNFIRE YELLOW

**A** FRAME & SWINGARM

Handling is key to everything we do. It's why our massive frames and swingarms are made of aluminum. Lightweight and extremely rigid, they won't flex or bend in the corners. Better handling is also why we placed the fuel cell in the frame and the oil reservoir in the swingarm. When you lower the placement of the bike's fluids, the center of gravity shifts downward. It's why a Buell® flicks so effortlessly through corners. Seems pretty obvious doesn't it?

B FRONT BRAKE

Forget what you've heard. This is how a front brake is supposed to be built. The Zero Torsional Load (ZTL™) braking system consists of a single 375mm perimeter-mounted rotor with 6-piston caliper that transfers braking forces (a.k.a. torsional load) directly to the rim, not the spokes. Without heavy load-bearing spokes or a second disc, the bike's front end weighs in about 7 lbs. lighter than what you'll find on most sportbikes. Makes you wonder what everyone else is thinking.

C CLIP-ON STYLE BARS & REARSETS

Ever see a jockey race a thoroughbred? He's tucked in close, using body language to communicate with his horse. Same idea here. The riding position is athletic, it uses your body's weight to help move the bike through turns. Confident and in control, we call it a battle-ready stance. Not that we're looking for a fight or anything, but you never know.

D ERGONOMICS

Everyone feels connected to their bike. But not like this. Tuck your legs into this corner-carver and the line between man and machine starts to get a little fuzzy. The bike seems to respond to mental as well as physical input. Pretty heady stuff.

E CHASSIS

When it comes to chassis design, you'll be hard-pressed to find one as unique as this. Unless you race a GP track bike. With its 52 in. wheelbase, the Firebolt handles with surgical precision. The 21-degree rake and 3.3 inch trail improves agility. And because the chassis is so rigid, it keeps you stable and confident through the turns.

F REAR SUSPENSION

Some riders just can't leave well enough alone. We're the same way. Which is why the Firebolt uses a top-shelf, Showa® push shock with a fully adjustable damping cartridge. Fine-tune the compression, rebound and preload to maximize handling and feedback for any condition.

G FRONT SUSPENSION

When it has to be just right, the new, beefier 43mm Showa® inverted front fork is the real deal. This high-end, fully adjustable front fork features a high performance damping cartridge that lets you tweak the set-up for any situation. Whether it's at the track or the ride home you optimize the set-up for excellent feedback and razor-sharp handling. When combined with the adjustable rear shock, it's the most tunable suspension in the business.

H EXHAUST

The InterActive Exhaust system is pure genius. It delivers super-smooth torque while optimizing engine power and efficiency across a wide variety of engine performance conditions. Using sophisticated modeling software, Buell identified distinct engine tuning improvements that could be made by electronically altering the gas flow path between two different length chambers within the muffler. The result? Strong, smooth acceleration with legendary Buell torque pull and a rich exhaust note.

I WHEELS - TRANSLUCENT AMBER

Thin spokes and Translucent Amber finish make this Firebolt look as hot with the sidestand down as it does leaned over in a switchback.

J WINDSCREEN

If you ever decide to park the thing, you'll notice the amber-tinted windscreen accents the wheels perfectly. You don't mind an occasional jealous stare do you?

K DASH

Clean, simple and made of featherweight magnesium, this classically designed dash features a speedometer, tachometer, odometer, two tripmeters, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral light. It's everything you need, nothing you don't.

L ENGINE

The Thunderstorm® 1203cc, 45-degree V-Twin is a red-blooded arm-stretcher. Broad power delivery and smile-inducing torque is the name of the game. Show this beast proper respect and it'll reward you with full-on power in any gear, regardless of where the tach needle is pointing. Explode off the stoplight. Launch out of corners. Just make sure you hang on.

M COWLING

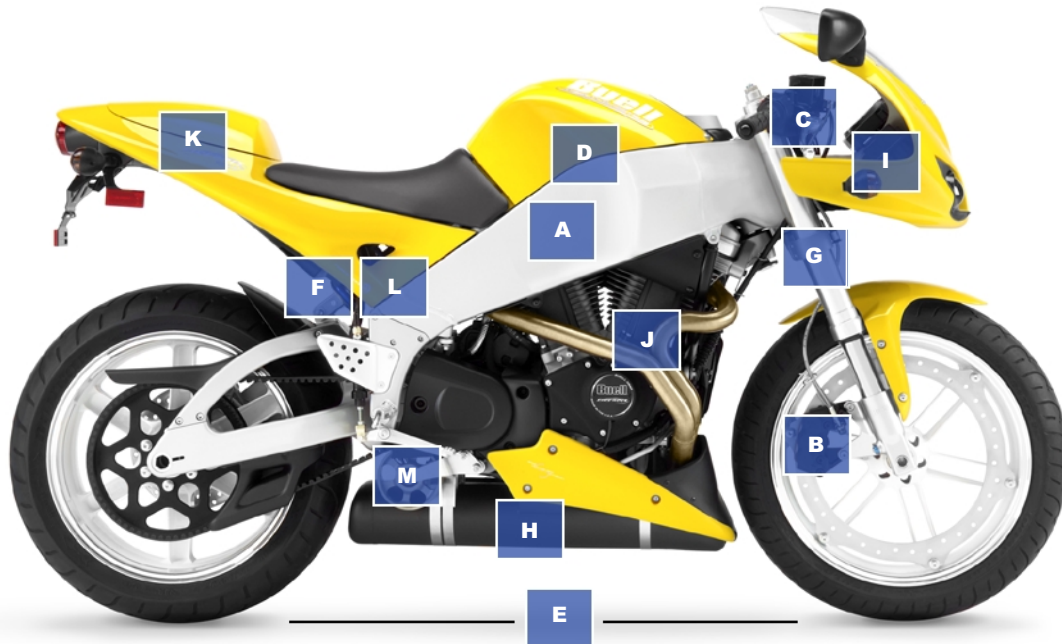
When you want to share the joy with others, the passenger seat is hidden under an easily removable cowl.

N FAN COOLING

After you turn off a motorcycle, the oil begins to break down, causing potentially harmful engine damage. Unless that motorcycle is a Buell. Our fan continues to cool the bike even after you pull the key. It's one more thing we've done to keep the Firebolt primed for top performance.

O BELT DRIVE

Less time in the garage means more time on the road. The Hibrex® ballistic aramid belt never requires lubrication or maintenance. No adjustments either, thanks to the unique idler pulley. It does away with driveline slop, putting instant power from wrist to road.

**A** FRAME & SWINGARM

Handling is key to everything we do. It's why our massive frames and swingarms are made of aluminum. Lightweight and extremely rigid, they won't flex or bend in the corners. Better handling is also why we placed the fuel cell in the frame and the oil reservoir in the swingarm. When you lower the placement of the bike's fluids, the center of gravity shifts downward. It's why a Buell® flicks so effortlessly through corners. Makes you wonder what everyone else is thinking.

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H EXHAUST

Exhaust cans are heavy. It doesn't make sense to hang them up high and off the back of the bike. Our patented underslung exhaust concentrates the weight underneath the chassis. You know, where it belongs. It's called Mass Centralization and it's been a Buell staple since 1985. The result is a clean, uncluttered look and improved flickability.

I DASH

Clean, simple and made of featherweight magnesium, this classically designed dash features a speedometer, tachometer, odometer, two tripmeters, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral light. It's everything you need, nothing you don't.

J ENGINE

The high-revving Thunderstorm® 984cc, 45-degree V-Twin produces a smooth 92 hp and 68 ft. lbs. of torque. For those keeping score, that's the best torque-to-weight ratio in its class. Go in smooth, hold your line and crack the throttle to smoke your buddies through the corners. Don't worry, they've got your cell number.

K COWLING

When you want to share the joy with others, the passenger seat is hidden under an easily removable cowling.

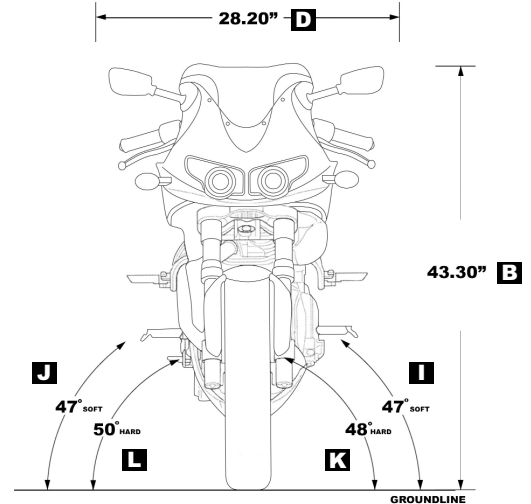
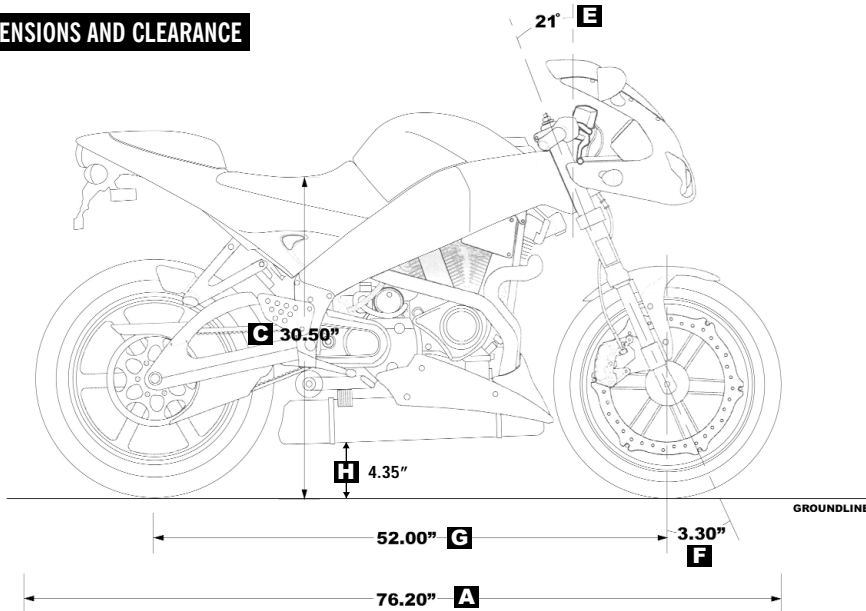
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Less time in the garage means more time on the road. The Hibrex® ballistic aramid belt never requires lubrication or maintenance. No adjustments either, thanks to the unique idler pulley. It does away with driveline slop, putting instant power from wrist to road.

DIMENSIONS AND CLEARANCE



A Overall Length	76.20 in / 1935 mm	G Wheelbase	52 in / 1318 mm
B Overall Height Without Mirrors.....	43.30 in / 1100 mm	H Ground Clearance	4.35 in / 110 mm
C Seat Height	30.50 in	I Lean Angle at Full Suspension Compression, Soft Contact, Left.....	47°
D Width.....	28.20 in / 715 mm	J Lean Angle at Full Suspension Compression, Soft Contact, Right.....	47°
E Rake at Ride Height - Fork Angle.....	21°		
F Trail at Ride Height	3.30 in / 83 mm		

K Lean Angle at Full Suspension Compression, Hard Contact, Left	48° (shifter toe-peg and sidestand hook)
L Lean Angle at Full Suspension Compression, Hard Contact, Right.....	50° (chinspoiler)

ENGINE

Buell Thunderstorm® engine air/oil/fan-cooled, four-stroke, 45-degree V-Twin.
 Displacement1203 cc / 73.40 in³
 Bore3.50 in / 88.90 mm
 Stroke3.81 in / 96.82 mm
 Oil SumpDry
 Cooling System TypeAir / Oil
 Fuel Delivery.....49 mm downdraft DDFI II fuel injection
 Compression Ratio10.0:1
 Horsepower103 hp / 76.8 kw
 Torque84 ft-lb @ 6000rpm / 113.9 N-m

TRANSMISSION

Primary Drive Type.....Triplex chain
 Primary Drive Ratio.....1.50 (57 / 38)
 Secondary Drive Type ...Constant path, 14mm pitch aramid reinforced Hibrex® belt with Flexten® Plus technology.*
 Secondary Drive Member Pitch Length.....128 Links
 Secondary Drive Ratio2.4:1 (5 / 27)
 Clutch TypeWet, multiplate, compensated
 Transmission type5-speed
 Transmission Ratio:
 1st2.69
 2nd1.85
 3rd1.43
 4th1.18
 5th1.00

*Hibrex and Flexten are registered trademarks of the Goodyear Tire & Rubber company.

WEIGHT AND CAPACITIES

Total Fuel Capacity3.70 gal / 14 liters
 Reserve0.70 gal / 2.60 liters

Oil Capacity, at Oil Change with Filter2.50 qts / 2.40 liters
 Gross Vehicle Weight Rating850 lbs / 386 kg
 Dry Weight395 lbs / 179 kg
 Load Carrying Capacity.....390 lbs / 177 kg
 Mileage per US EPA Urban Trace,
 City48 mpg / 4.90 liters per 100 km
 Highway65 mpg / 3.60 liters per 100 km

BRAKES

Front Brake SystemZTL™ Braking System
 Front Rotor and Caliper Configuration6-piston, fixed caliper, single-sided, inside-out, floating rotor
 Front Rotor Size, OD14.77 in / 375 mm
 Rear Rotor and Caliper Configuration.....Single-piston, floating caliper, fixed rotor

SUSPENSION

Front Fork Slider Tube Diameter.....1.69 in / 43 mm
 Front Fork Outer Tube Diameter
 at Lower Triple Clamp2.21 in / 56 mm
 Front SuspensionShowa® inverted fork with adjustable compression damping, rebound damping and spring preload
 Rear Suspension.....Showa® shock with adjustable compression damping, rebound damping and spring preload
 Suspension Travel, Front Wheel,
 Along Fork Line4.72 in / 120 mm
 Suspension Travel, Rear Wheel, Vertical5 in / 127 mm

CHASSIS AND EXHAUST

FrameAluminum frame with Uniplanar™ Powertrain vibration isolation system, holds fuel

SwingarmCast aluminum swingarm with detachable brace, holds oil
 Exhaust System.....Interactive, mass centralized muffler mounted under the bike

WHEELS AND TIRES

Front TireDunlop® D208FW
 Rear TireDunlop® D208M
 Front Tire Size Designator120 / 70 ZR-17
 Rear Tire Size Designator180 / 55 ZR-17
 Front Wheel Type6-spoke, cast-aluminum
 Rear Wheel Type6-spoke, cast-aluminum
 Front Wheel Size.....3.50 x 17 in
 Rear Wheel Size5.50 x 17 in

INSTRUMENTS

Electronic speedometer, tachometer, odometer, 2 tripmeter, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral.

COLORS

Body WorkMidnight Black, Racing Red, Thrust Blue
 WheelsTranslucent Amber

WARRANTY TERM

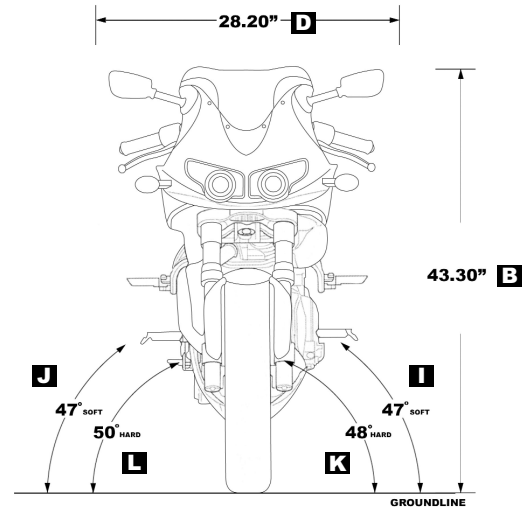
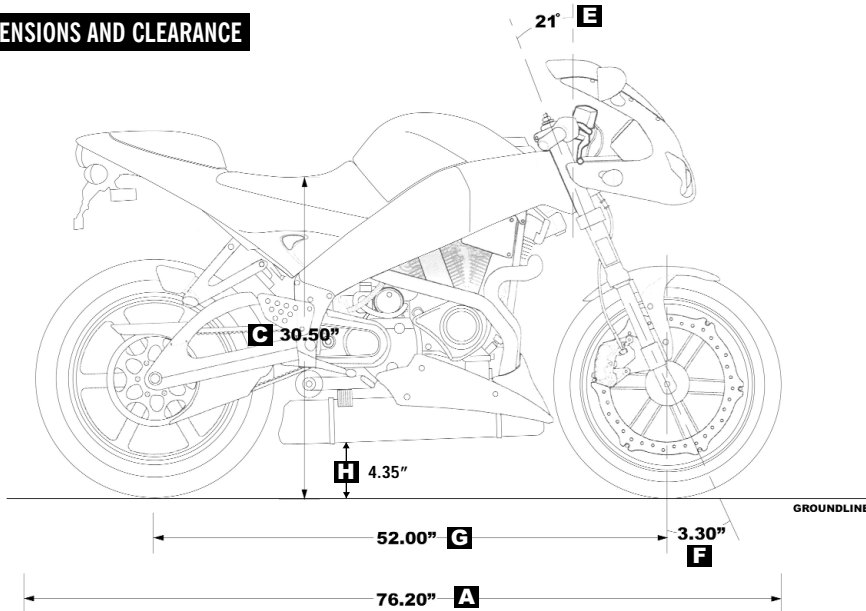
24 Months / Unlimited mileage

MISC.

Removable Seat Cowl, Under Seat Trunk, Tool Kit, Fork Lock, Translucent Amber Windscreen

*Specs matter. But they aren't all that matter. Think about it. What can a number tell you about what it feels like to take a familiar corner with more speed and more ferocity than you ever thought possible? If you really want to understand these bikes, you should set up a demo ride.

DIMENSIONS AND CLEARANCE



A Overall Length	76.20 in / 1935 mm
B Overall Height Without Mirrors.....	43.30 in / 1100 mm
C Seat Height	30.50 in
D Width.....	28.20 in / 715 mm
E Rake at Ride Height - Fork Angle.....	21°
F Trail at Ride Height	3.30 in / 83 mm

G Wheelbase	52 in / 1318 mm
H Ground Clearance	4.35 in / 110 mm
I Lean Angle at Full Suspension Compression, Soft Contact, Left.....	47°
J Lean Angle at Full Suspension Compression, Soft Contact, Right.....	47°

K Lean Angle at Full Suspension Compression, Hard Contact, Left	48° (shifter toe-peg and sidestand hook)
L Lean Angle at Full Suspension Compression, Hard Contact, Right.....	50° (chinspoiler)

ENGINE

Buell Thunderstorm® engine air/oil/fan-cooled, four-stroke, 45-degree V-Twin.
 Displacement984 cc / 60 in³
 Bore3.50 in / 88.90 mm
 Stroke3.13 in / 79.38 mm
 Oil SumpDry
 Cooling System TypeAir / Oil
 Fuel Delivery.....45 mm downdraft DDFI II fuel injection
 Compression Ratio10.0:1
 Horsepower92 hp / 68.60 kw
 Torque.....70 ft-lb @ 5500rpm / 94 N-m

TRANSMISSION

Primary Drive Type.....Triplex chain
 Primary Drive Ratio.....1.68 (57 / 34)
 Secondary Drive Type ...Constant path, 14mm pitch aramid reinforced Hibrex® belt with Flexten® Plus technology.*
 Secondary Drive Member Pitch Length.....128 Links
 Secondary Drive Ratio2.4:1 (5 / 27)
 Clutch TypeWet, multiplate, compensated
 Transmission type5-speed
 Transmission Ratio:
 1st2.69
 2nd1.85
 3rd1.43
 4th1.18
 5th1.00

*Hibrex and Flexten are registered trademarks of the Goodyear Tire & Rubber company.

WEIGHT AND CAPACITIES

Total Fuel Capacity3.70 gal / 14 liters
 Reserve0.70 gal / 2.60 liters

Oil Capacity, at Oil Change with Filter2.50 qts / 2.40 liters
 Gross Vehicle Weight Rating850 lbs / 386 kg
 Dry Weight385 lbs / 175 kg
 Load Carrying Capacity.....400 lbs / 181 kg
 Mileage per US EPA Urban Trace,
 City50 mpg / 4.60 liters per 100 km
 Highway65 mpg / 3.60 liters per 100 km

BRAKES

Front Brake SystemZTL™ Braking System
 Front Rotor and Caliper Configuration6-piston, fixed caliper, single-sided, inside-out, floating rotor
 Front Rotor Size, OD14.77 in / 375 mm
 Rear Rotor and Caliper Configuration.....Single-piston, floating caliper, fixed rotor

SUSPENSION

Front Fork Slider Tube Diameter.....1.69 in / 43 mm
 Front Fork Outer Tube Diameter
 at Lower Triple Clamp2.21 in / 56 mm
 Front Rear SuspensionShowa® inverted fork with adjustable compression damping, rebound damping and spring preload
 Rear SuspensionShowa® shock with adjustable compression damping, rebound damping and spring preload
 Suspension Travel, Front Wheel,
 Along Fork Line4.72 in / 120 mm
 Suspension Travel, Rear Wheel, Vertical5 in / 127 mm

CHASSIS AND EXHAUST

FrameAluminum frame with Uniplanar™ Powertrain vibration isolation system, holds fuel

SwingarmCast aluminum swingarm with detachable brace, holds oil
 Exhaust SystemMass centralized muffler mounted under the bike

WHEELS AND TIRES

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 Front Wheel Type6-spoke, cast-aluminum
 Rear Wheel Type6-spoke, cast-aluminum
 Front Wheel Size.....3.50 x 17 in
 Rear Wheel Size5.50 x 17 in

INSTRUMENTS

Electronic speedometer, tachometer, odometer, 2 tripmeter, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral.

COLORS

Body WorkSunfire Yellow
 WheelsSky White with machined edge

WARRANTY TERM

24 Months / Unlimited mileage

MISC.

Removable Seat Cowl, Under Seat Trunk, Tool Kit, Fork Lock, Clear Windscreen

*Specs matter. But they aren't all that matter. Think about it. What can a number tell you about what it feels like to take a familiar corner with more speed and more ferocity than you ever thought possible? If you really want to understand these bikes, you should set up a demo ride.



Lightning® XB12S / XB12Scg

The originator of the factory streetfighter, the Lightning combines minimalist styling, premium components and a gut-wrenching powerband from our own V-Twin. Ready to tear away from the pack? Tough choices in Thrust Blue, Racing Red or Midnight Black. Available in Lightning XB12Scg for a lower center of gravity.

TORQUE	84 ft. lbs. @ 6000 rpm
ENGINE	Thunderstorm® 1203cc, V-Twin
WHEELBASE	52.0 in. / 1320 mm
SEAT HGT	28.6 in. / 726mm (XB12Scg)
MAX LEAN	50°

2005

LIGHTNING® XB12S

COLORS



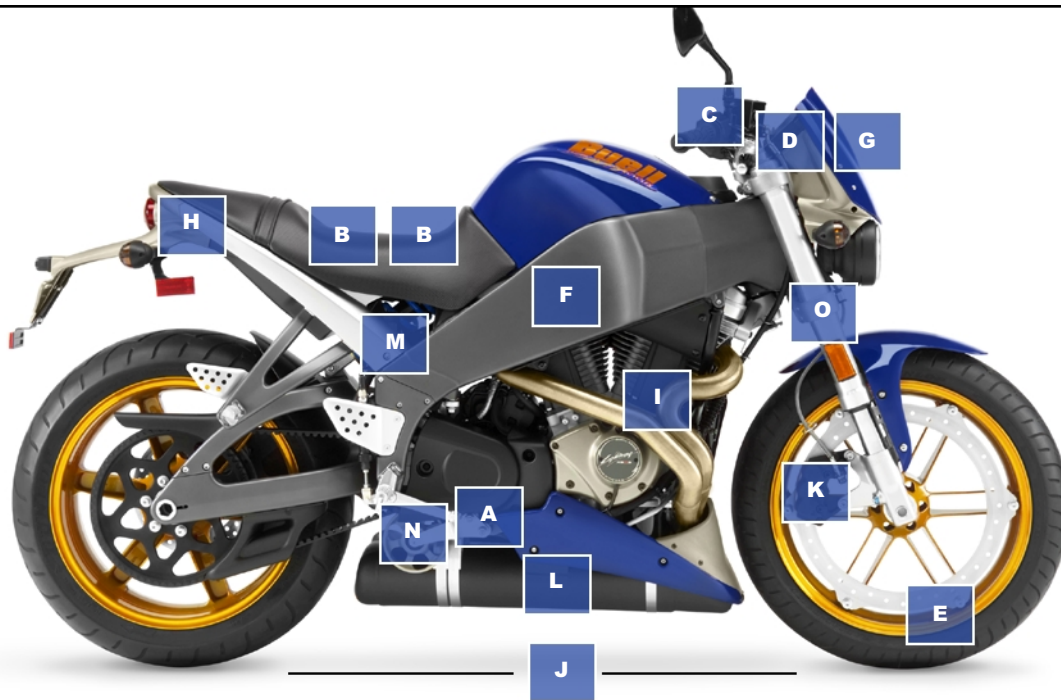
THRUST BLUE



RACING RED



MIDNIGHT BLACK

**A** FOOT PEGS

The classic streetfighter riding position, peg placement is comfortable and sporty. If you ride it the way we think you will, you'll be happy to know they're also replaceable.

B SEAT HEIGHTS

XB12S Seat Height – 30.1" seat height. Firm yet comfortable padding gives this saddle all-day rideability. XB12Scg Seat Height – 28.6" seat height. Contoured saddle and re-engineered suspension result in a lower center of gravity.

C HANDLEBARS

A nod to flat-track racers, these wide, flat handlebars are perfect for aggressive street riding.

D DASH

Clean, simple and featherweight, this classically designed dash features a speedometer, tachometer, odometer, two tripmeters, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral light. It's everything you need, nothing you don't.

E WHEELS

You don't put hubcaps on a hot rod. Thin spokes and Translucent Amber finish make these wheels all go and all show.

F FRAME & SWINGARM

Handling is key to everything we do. It's why our massive frames and swingarms are made of aluminum. Lightweight and extremely rigid, they won't flex or bend in the corners. Better handling is also why we placed the fuel cell in the frame and the oil reservoir in the swingarm. When you lower the placement of the bike's fluids, the center of gravity shifts downward. It's what makes the bike so flickable in the twisty stuff. Seems pretty obvious doesn't it?

G FAIRING

The bikini fairing offers minimum coverage and maximum exposure.

H TAIL SECTION

That's a big 180 tire back there so show it off. A minimalist tail section is an essential part of the original factory Streetfighter. This piece is constructed from cast aluminum, it enhances the sleek and naked look of the entire package.

I ENGINE

Powering this streetfighter is a Thunderstorm® 1203cc, 45-degree V-Twin. A stump-pulling, gut-wrenching, air-cooled torque machine. You want to know where the bulk of the power is? Everywhere. Forget the dyno. Pick a gear. Pick an RPM. With its broad powerband, this engine brings the heat wherever and whenever you want it. Let's keep that front wheel down though – okay buddy?

J CHASSIS

With a 52" wheelbase, 21-degree rake, 3.3 inch trail and 52% front weight distribution, this motorcycle is the ultimate street hooligan. It'll do just about anything you ask it to. Toss it, fling it, muscle into those tight turns with complete confidence.

K FRONT BRAKE

A streetfighter is built on the belief that "less is more." The Zero Torsional Load (ZTL™) braking system is a prime example. Mounted to the wheel's perimeter, the 375mm rotor with 6-piston caliper transfers braking forces (a.k.a. torsional load) directly to the rim instead of the spokes. Without the need for load-bearing spokes or even a second disc, the bike's front end weighs in about 7 lbs. lighter than what you'd find on most dual disc set-ups. We're not ashamed to say, it's the cleanest-looking wheel on the street.

L EXHAUST

The InterActive Exhaust system is pure genius. It delivers super-smooth torque while optimizing engine power and efficiency across a wide variety of engine performance conditions. Using sophisticated modeling software, Buell identified distinct engine tuning improvements that could be made by electronically altering the gas flow path between two different length chambers within the muffler. The result? Strong, smooth acceleration with legendary Buell torque pull and a rich exhaust note.

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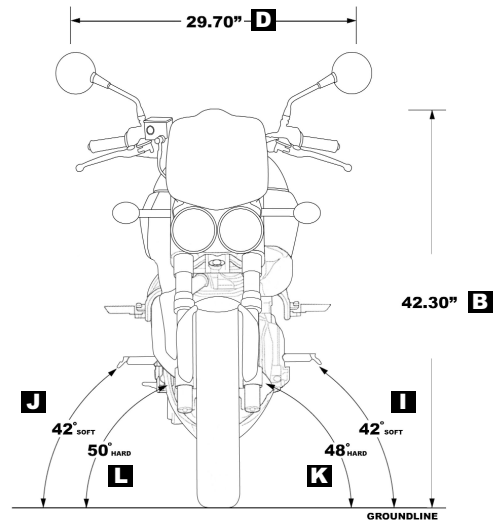
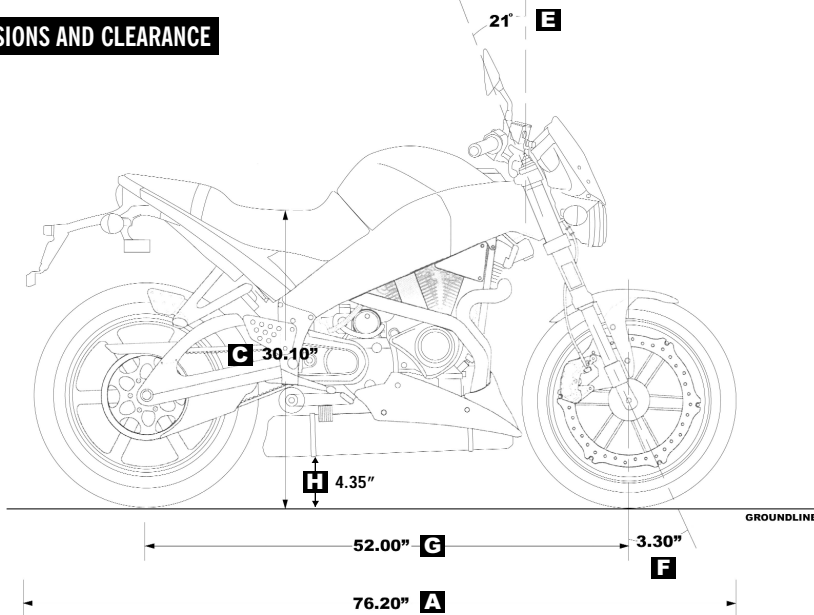
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O FRONT SUSPENSION

The new, beefier 43mm Showa® inverted front fork is just another example of Buell leadership in the Streetfighter category. This super-premium, fully adjustable front fork features a high performance damping cartridge that lets you tweak the set-up for any situation. Whether it's stomping at the Saturday night drags or lighting up your favorite street corners, you optimize the set-up for precise feedback and switchblade handling.

DIMENSIONS AND CLEARANCE



- A** Overall Length76.20 in / 1935 mm
- B** Overall Height Without Mirrors.....42.30 in / 1075 mm
- C** Seat Height30.10 in
- D** Width.....29.70 in / 755 mm
- E** Rake at Ride Height - Fork Angle.....21°
- F** Trail at Ride Height3.30 in / 83 mm

- G** Wheelbase52 in / 1318 mm
- H** Ground Clearance4.35 in / 110 mm
- I** Lean Angle at Full Suspension Compression, Soft Contact, Left.....42°
- J** Lean Angle at Full Suspension Compression, Soft Contact, Right.....42°

- K** Lean Angle at Full Suspension Compression, Hard Contact, Left48° (shifter toe-peg and sidestand hook)
- L** Lean Angle at Full Suspension Compression, Hard Contact, Right.....50° (chinspoiler)

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Clutch TypeWet, multiplate, compensated

Transmission type5-speed

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Mileage per US EPA Urban Trace,

City48 mpg / 4.90 liters per 100 km

Highway65 mpg / 3.60 liters per 100 km

BRAKES

Front Brake SystemZTL™ Braking System

Front Rotor and Caliper Configuration6-piston, fixed caliper, single-sided, inside-out, floating rotor

Front Rotor Size, OD14.77 in / 375 mm

Rear Rotor and Caliper Configuration.....Single-piston, floating caliper, fixed rotor

SUSPENSION

Front Fork Slider Tube Diameter.....1.69 in / 43 mm

Front Fork Outer Tube Diameter at Lower Triple Clamp2.21 in / 56 mm

Front SuspensionShowa® inverted fork with adjustable compression damping, rebound damping and spring preload

Rear SuspensionShowa® inverted fork with adjustable compression damping, rebound damping and spring preload

Suspension Travel, Front Wheel, Along Fork Line4.72 in / 120 mm

Suspension Travel, Rear Wheel, Vertical5 in / 127 mm

CHASSIS AND EXHAUST

FrameAluminum frame with Uniplanar™ Powertrain vibration isolation system, holds fuel

SwingarmCast aluminum swingarm with detachable brace, holds oil

Exhaust System.....Interactive, mass centralized muffler mounted under the bike

WHEELS AND TIRES

Front TireDunlop® D208FW

Rear TireDunlop® D208M

Front Tire Size Designator120 / 70 ZR-17

Rear Tire Size Designator180 / 55 ZR-17

Front Wheel Type6-spoke, cast-aluminum

Rear Wheel Type6-spoke, cast-aluminum

Front Wheel Size.....3.50 x 17 in

Rear Wheel Size5.50 x 17 in

INSTRUMENTS

Electronic speedometer, tachometer, odometer, 2 tripmeter, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral.

COLORS

Body WorkRacing Red, Midnight Black, Thrust Blue

WheelsTranslucent Amber

WARRANTY TERM

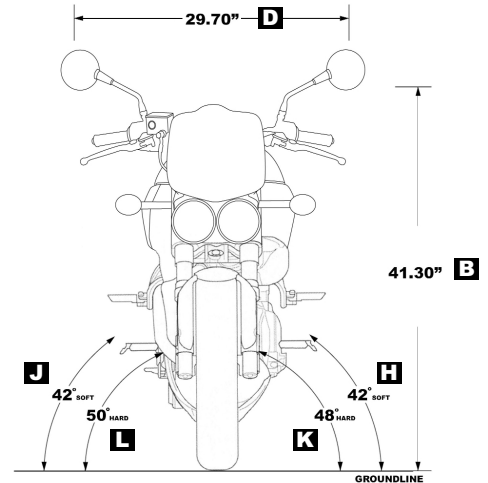
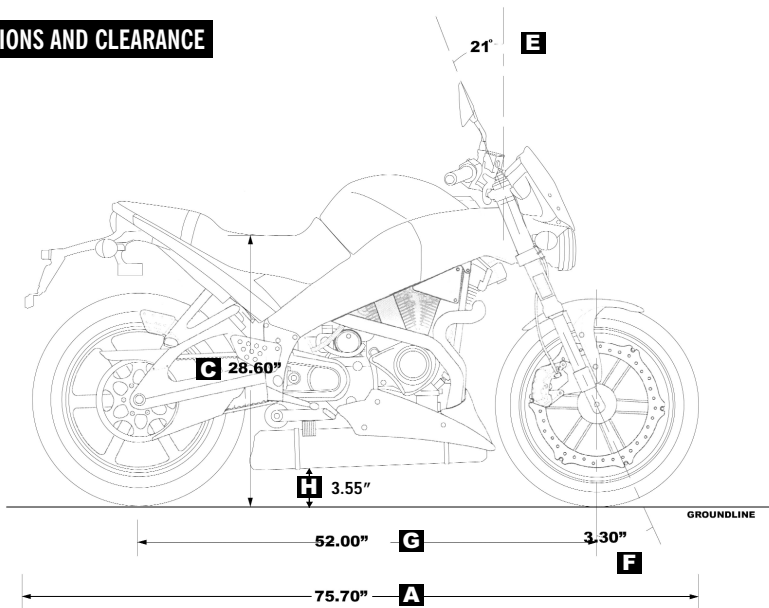
24 Months / Unlimited mileage

MISC.

Under Seat Trunk, Tool Kit, Fork Lock

*Specs matter. But they aren't all that matter. Think about it. What can a number tell you about what it feels like to take a familiar corner with more speed and more ferocity than you ever thought possible? If you really want to understand these bikes, you should set up a demo ride.

DIMENSIONS AND CLEARANCE



- A** Overall Length75.70 in / 1923 mm
- B** Overall Height Without Mirrors.....41.30 in / 1050 mm
- C** Seat Height28.60 in
- D** Width.....29.70 in / 755 mm
- E** Rake at Ride Height - Fork Angle.....21°
- F** Trail at Ride Height3.30 in / 83 mm

- G** Wheelbase52 in / 1318 mm
- H** Ground Clearance3.55 in / 90 mm
- I** Lean Angle at Full Suspension Compression, Soft Contact, Left.....42°
- J** Lean Angle at Full Suspension Compression, Soft Contact, Right.....42°

- K** Lean Angle at Full Suspension Compression, Hard Contact, Left48° (shifter toe-peg and sidestand hook)
- L** Lean Angle at Full Suspension Compression, Hard Contact, Right.....50° (chinspoiler)

ENGINE

Buell Thunderstorm® engine air/oil/fan-cooled, four-stroke, 45-degree V-Twin.

Displacement1203 cc / 73.40 in³

Bore3.50 in / 88.90 mm

Stroke3.81 in / 96.82 mm

Oil SumpDry

Cooling System TypeAir / Oil

Fuel Delivery.....49 mm downdraft DDFI II fuel injection

Compression Ratio10.0:1

Horsepower103 hp / 76.80 kw

Torque84 ft-lb @ 6000rpm / 113.9 N-m

TRANSMISSION

Primary Drive Type.....Triplex chain

Primary Drive Ratio.....1.50 (57 / 38)

Secondary Drive Type ...Constant path, 14mm pitch aramid reinforced Hibrex® belt with Flexten® Plus technology.*

Secondary Drive Member Pitch Length.....128 Links

Secondary Drive Ratio2.4:1 (5 / 27)

Clutch TypeWet, multiplate, compensated

Transmission type5-speed

Transmission Ratio:

- 1st2.69
- 2nd1.85
- 3rd1.43
- 4th1.18
- 5th1.00

*Hibrex and Flexten are registered trademarks of the Goodyear Tire & Rubber company.

WEIGHT AND CAPACITIES

Total Fuel Capacity3.70 gal / 14 liters

Reserve0.70 gal / 2.60 liters

Oil Capacity, at Oil Change with Filter2.50 qts / 2.40 liters

Gross Vehicle Weight Rating850 lbs / 386 kg

Dry Weight395 lbs / 179 kg

Load Carrying Capacity.....390 lbs / 177 kg

Mileage per US EPA Urban Trace,

- City48 mpg / 4.90 liters per 100 km
- Highway65 mpg / 3.60 liters per 100 km

BRAKES

Front Brake SystemZTL™ Braking System

Front Rotor and Caliper Configuration6-piston, fixed caliper, single-sided, inside-out, floating rotor

Front Rotor Size, OD14.77 in / 375 mm

Rear Rotor and Caliper Configuration.....Single-piston, floating caliper, fixed rotor

SUSPENSION

Front Fork Slider Tube Diameter.....1.61 in / 41 mm

Front Fork Outer Tube Diameter at Lower Triple Clamp2.13 in / 54 mm

Front SuspensionShowa® inverted fork with adjustable compression damping, rebound damping and spring preload

Rear SuspensionShowa® shock with adjustable compression damping, rebound damping and spring preload

Suspension Travel, Front Wheel, Along Fork Line2.91 in / 74 mm

Suspension Travel, Rear Wheel, Vertical3.56 in / 90 mm

CHASSIS AND EXHAUST

FrameAluminum frame with Uniplanar™ Powertrain vibration isolation system, holds fuel

SwingarmCast aluminum swingarm with detachable brace, holds oil

Exhaust System.....Interactive, mass centralized muffler mounted under the bike

WHEELS AND TIRES

Front TireDunlop® D208FW

Rear TireDunlop® D208M

Front Tire Size Designator120 / 70 ZR-17

Rear Tire Size Designator180 / 55 ZR-17

Front Wheel Type6-spoke, cast-aluminum

Rear Wheel Type6-spoke, cast-aluminum

Front Wheel Size.....3.50 x 17 in

Rear Wheel Size5.50 x 17 in

INSTRUMENTS

Electronic speedometer, tachometer, odometer, 2 tripmeter, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral.

COLORS

Body WorkRacing Red, Midnight Black, Thrust Blue

WheelsTranslucent Amber

WARRANTY TERM

24 Months / Unlimited mileage

MISC.

Under Seat Trunk, Tool Kit, Fork Lock

*Specs matter. But they aren't all that matter. Think about it. What can a number tell you about what it feels like to take a familiar corner with more speed and more ferocity than you ever thought possible? If you really want to understand these bikes, you should set up a demo ride.



Lightning® CityX XB9SX

You've never seen anything like this before. The naked bike goes nude in the new Lightning CityX. Its translucent Hero Blue bodywork – the first ever on a motorcycle – is an all-out assault on the status quo. Get ready to make some noise. It's an off-ramp carving, traffic dodging motorcycle that's ready for anything.

TORQUE	70 ft. lbs. @ 5500 rpm
ENGINE	Thunderstorm® 984cc, V-Twin
WHEELBASE	52.0 in. / 1320mm
TIRES	Pirelli® Scorpion® Sync Tires

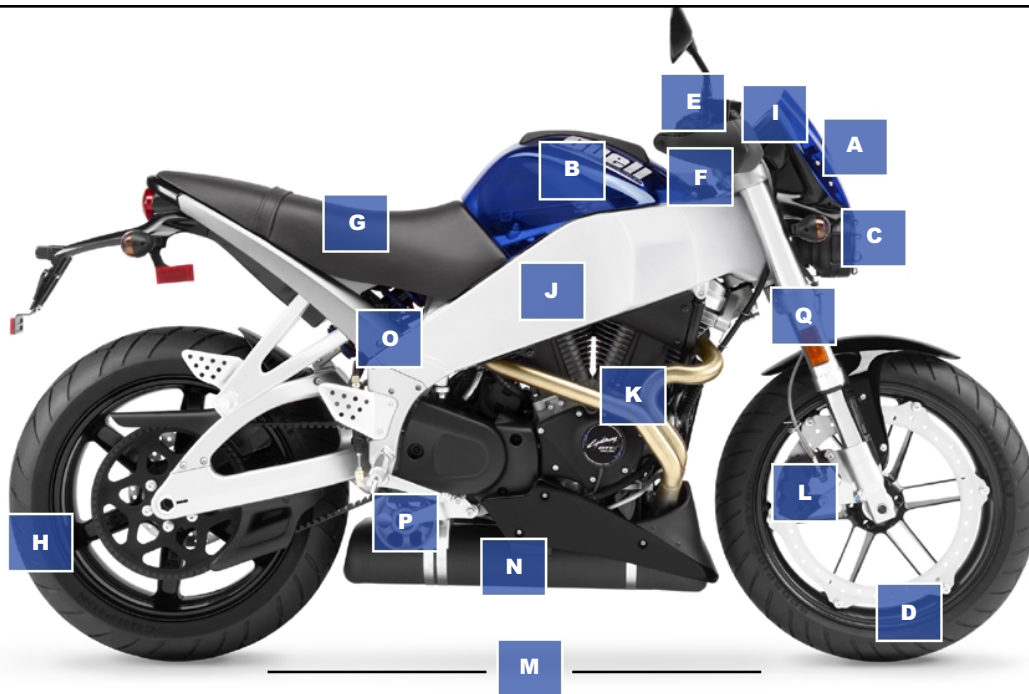
2005

LIGHTNING CITYX™ XB9SX

COLORS



HERO BLUE TRANSLUCID WITH MIDNIGHT BLACK

**A** TRANSLUCID

Talk about a naked bike, the airbox cover and flyscreen are see through. Another industry first, it'll blow people away at any stoplight.

B X-RACK

When you're out carving up the urban jungle, you may need to stuff a tank bag with extra gear. This built-in beauty helps protect the airbox from that extra thrashing.

C GRILLE

Protect those headlights from urban debris. Not only is it functional, it looks cool.

D WHEELS

Good guys wear white. The Lightning CityX wears Villain black. Not only does it look sharp, it'll hide all the road grime you can throw at it.

E HANDLEBAR

The Supermotard-inspired Villain black handlebars are wide, flat and great for rider input.

F DEFLECTORS

Nothing worse than cold hands while riding. Well, maybe getting pegged with a stone on your knuckle. Either way, the Lightning CityX comes stock with these trick deflectors.

G SEAT

Sitting up high in the new Skyline seat, you can plan your attack through the urban terrain and peer over all those pesky cagers.

H TIRES

The Pirelli® Scorpion® Sync tires are designed to handle a variety of city conditions. From road debris to rough asphalt, they give you better bite on nasty roads.

I GAUGES

When you need a little mood lighting to set the tone for a wild night out on the town, the blue glow faces are just right. Speedometer, tachometer, odometer, two trip-meters, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral light.

J FRAME & SWINGARM

Handling is key to everything we do. It's why our massive frames and swingarms are made of aluminum. Lightweight and extremely rigid, they won't flex or bend in the corners. Better handling is also why we placed the fuel cell in the frame and the oil reservoir in the swingarm. When you lower the placement of the bike's fluids, the center of gravity shifts downward. It's what makes the bike so flickable in the twisty stuff. Seems pretty obvious doesn't it?

K ENGINE

The high-revving Thunderstorm® 984cc, 45-degree V-Twin delivers raw, torquey power over a wide rev range. With a power delivery that's smoother than the neighborhood pimp, its 92 hp and 68 ft. lbs. of torque give it the best torque-to-weight ratio in its class. Blip the throttle, dart between traffic and give those bike messengers something to worry about.

L FRONT BRAKE

A streetfighter is built on the belief that "less is more." The Zero Torsional Load (ZTL™) braking system is a prime example. It consists of a single 375mm perimeter-mounted rotor with 6-piston caliper that transfers braking forces (a.k.a. torsional load) directly to the rim, not the spokes. Without heavy load-bearing spokes or a second disc, the bike's front end weighs in about 7 lbs. lighter than what you'll find on most dual disc set-ups. We're not ashamed to say, it's the cleanest-looking wheel on the street.

M CHASSIS

With a 52" wheelbase, 21-degree rake, 3.3 in. trail and 52% front weight distribution, the Lightning CityX has the agility to turn a taco run into a knee-dragging, moto free-for-all (with extra hot sauce).

N EXHAUST

Exhaust cans are heavy. It doesn't make sense to hang them up high and off the back of the bike. Our patented underslung exhaust concentrates the weight underneath the chassis. You know, where it belongs. It's called Mass Centralization and it's been a Buell staple since 1985. You get a clean look, better handling and a slim profile that lets you squeeze into those tight little spots.

O FAN COOLING

After you turn off a motorcycle, the oil begins to break down, causing potentially harmful engine damage. Unless that motorcycle is a Buell. Our fan continues to cool the bike even after you pull the key. And as an added benefit, it freaks out punk kids who try to sit on your ride when you run in for a cuppa joe.

P BELT DRIVE

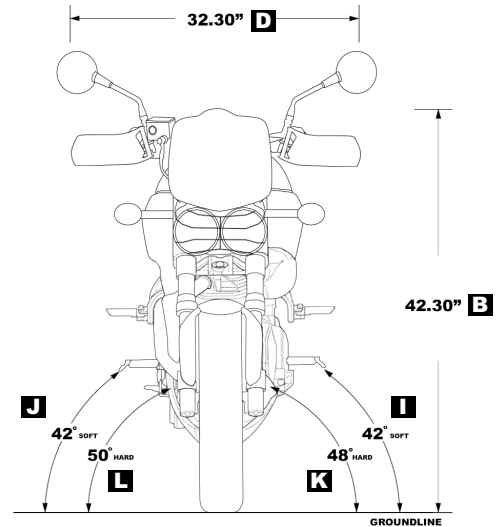
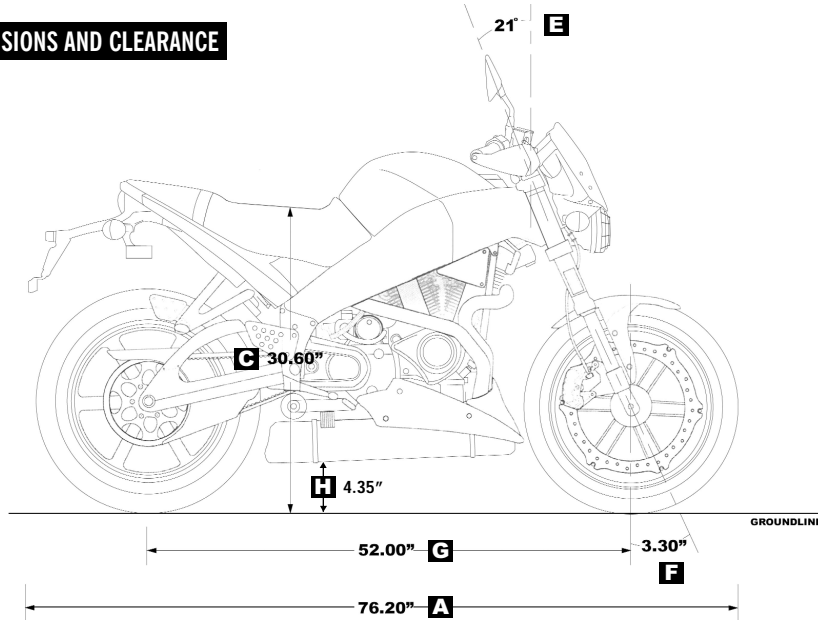
Less time in the garage means more time on the road. The Hibrex® ballistic aramid belt never requires lubrication or maintenance. No adjustments either. Thanks to the unique idler pulley, it does away with driveline slop, putting instant power from wrist to road.

Q FRONT SUSPENSION

The new, beefier 43mm Showa® inverted front fork is just another example of Buell® leadership in the Streetfighter category. This super-premium, fully adjustable front fork features a high performance damping cartridge that lets you tweak the set-up for any situation. Whether it's stomping at the Saturday night drags or lighting up your favorite street corners, you optimize the set-up for precise feedback and switchblade handling.



DIMENSIONS AND CLEARANCE



A Overall Length	76.20 in / 1935 mm	G Wheelbase	52 in / 1318 mm
B Overall Height Without Mirrors.....	42.30 in / 1075 mm	H Ground Clearance	4.35 in / 110 mm
C Seat Height	30.60 in	I Lean Angle at Full Suspension Compression, Soft Contact, Left.....	42°
D Width.....	32.30 in / 820 mm	J Lean Angle at Full Suspension Compression, Soft Contact, Right.....	42°
E Rake at Ride Height - Fork Angle.....	21°		
F Trail at Ride Height	3.30 in / 83 mm		

K Lean Angle at Full Suspension Compression, Hard Contact, Left	48° (shifter toe-peg and sidestand hook)
L Lean Angle at Full Suspension Compression, Hard Contact, Right.....	50° (chinspoiler)

ENGINE

Buell Thunderstorm® engine air/oil/fan-cooled, four-stroke, 45-degree V-Twin.
 Displacement984 cc / 60 in³
 Bore3.50 in / 88.90 mm
 Stroke3.13 in / 79.38 mm
 Oil SumpDry
 Cooling System TypeAir / Oil
 Fuel Delivery.....45 mm downdraft DDFI II fuel injection
 Compression Ratio10.0:1
 Horsepower92 hp / 68.60 kw
 Torque.....70 ft-lb @ 5500rpm / 94 N-m

TRANSMISSION

Primary Drive Type.....Triplex chain
 Primary Drive Ratio.....1.68 (57 / 34)
 Secondary Drive Type ...Constant path, 14mm pitch aramid reinforced Hibrex® belt with Flexten® Plus technology.*
 Secondary Drive Member Pitch Length.....128 Links
 Secondary Drive Ratio2.4:1 (5 / 27)
 Clutch TypeWet, multiplate, compensated
 Transmission type5-speed
 Transmission Ratio:
 1st2.69
 2nd1.85
 3rd1.43
 4th1.18
 5th1.00

*Hibrex and Flexten are registered trademarks of the Goodyear Tire & Rubber company.

WEIGHT AND CAPACITIES

Total Fuel Capacity3.70 gal / 14 liters
 Reserve0.70 gal / 2.60 liters

Oil Capacity, at Oil Change with Filter2.50 qts / 2.40 liters
 Gross Vehicle Weight Rating850 lbs / 386 kg
 Dry Weight390 lbs / 177 kg
 Load Carrying Capacity.....395 lbs / 179 kg
 Mileage per US EPA Urban Trace,
 City50 mpg / 4.60 liters per 100 km
 Highway65 mpg / 3.60 liters per 100 km

BRAKES

Front Brake SystemZTL™ Braking System
 Front Rotor and Caliper Configuration6-piston, fixed caliper, single-sided, inside-out, floating rotor
 Front Rotor Size, OD14.77 in / 375 mm
 Rear Rotor and Caliper Configuration.....Single-piston, floating caliper, fixed rotor

SUSPENSION

Front Fork Slider Tube Diameter.....1.69 in / 43 mm
 Front Fork Outer Tube Diameter
 at Lower Triple Clamp2.21 in / 56 mm
 Front SuspensionShowa® inverted fork with adjustable compression damping, rebound damping and spring preload
 Rear SuspensionShowa® shock with adjustable compression damping, rebound damping and spring preload
 Suspension Travel, Front Wheel,
 Along Fork Line4.72 in / 120 mm
 Suspension Travel, Rear Wheel, Vertical5 in / 127 mm

CHASSIS AND EXHAUST

FrameAluminum frame with Uniplanar™ Powertrain vibration isolation system, holds fuel

SwingarmCast aluminum swingarm with detachable brace, holds oil
 Exhaust SystemMass centralized muffler mounted under the bike

WHEELS AND TIRES

Front Tire.....Pirelli® Scorpion Sync
 Rear TirePirelli® Scorpion Sync
 Front Tire Size Designator120 / 70 ZR-17
 Rear Tire Size Designator180 / 55 ZR-17
 Front Wheel Type6-spoke, cast-aluminum, villain black
 Rear Wheel Type.....6-spoke, cast-aluminum, villain black
 Front Wheel Size.....3.50 x 17 in
 Rear Wheel Size5.50 x 17 in

INSTRUMENTS

Electronic speedometer, tachometer, odometer, 2 tripmeter, reserve tripmeter, clock, low fuel light, engine check light, oil pressure warning light, indicator for high beam, turn signals and neutral.

COLORS

Body Work Hero Blue Translucid with Midnight Black
 Wheels.....Villain Black

WARRANTY TERM

24 Months / Unlimited mileage

MISC.

Under Seat Trunk, Xguard, Deflectors, Glow Dash, Tool Kit, Crossbrace Handlebar, Grille, Fork Lock

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Blast®

We wouldn't dare call this a blast if it weren't. It's the essence of riding served up in an uncomplicated, perfectly balanced machine. A single cylinder engine, lightweight design and legendary Buell engineering. Who doesn't have room for a little more fun in their lives? Get yours in Midnight Black or Battle Blue.

TORQUE	30 ft. lbs. @ 5500 rpm
ENGINE	4-stroke, single cylinder; 492cc
WHEELBASE	55.3 in. / 1405mm
SEAT HGT	27.5 in. / 699mm (standard); 25.5 in. / 648mm (low profile)
MPG	69 city / 72.8 highway

2005

BLAST[®]

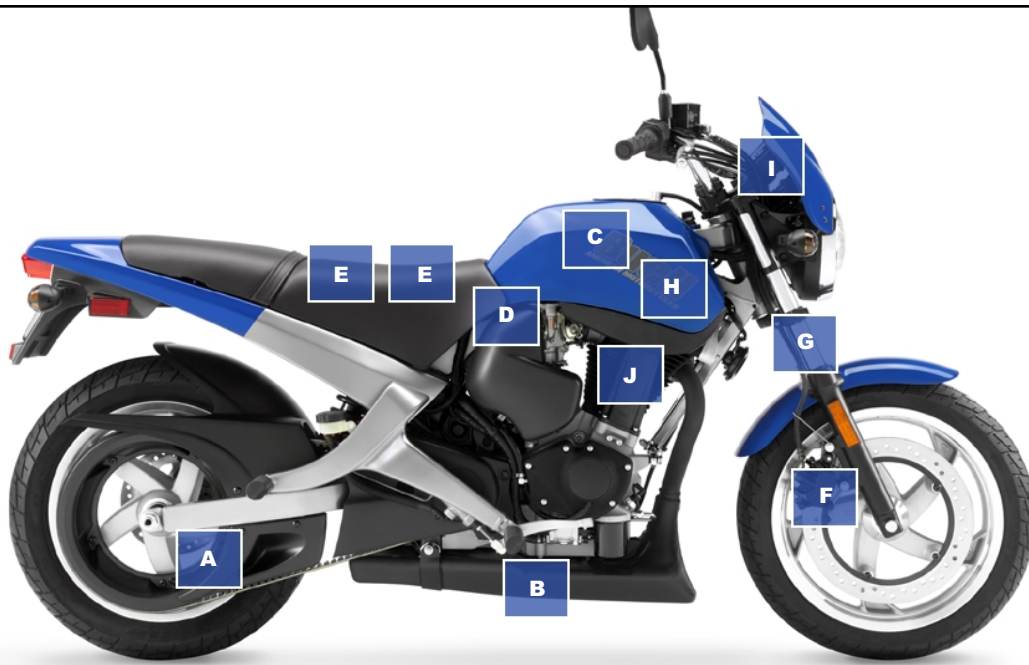
COLORS



BATTLE BLUE



MIDNIGHT BLACK

**A BELT DRIVE**

Less time in the garage means more time on the road. The Hibrex® ballistic aramid belt never requires lubrication or maintenance.

B EXHAUST

Exhaust cans are heavy. It doesn't make sense to hang them up high and off the back of the bike. Our patented underslung exhaust concentrates the weight underneath the chassis. You know, where it belongs. It's called Mass Centralization and it's been a Buell® staple since 1985. You get a clean look, better handling and a slim profile that lets you squeeze into those tight little spots.

C FUEL TANK

It holds 2.8 gallons of fuel. With the high price of gas and the bike's unbelievable 72.8 mpg, you don't have to be a genius to figure out the savings.

D LIGHTWEIGHT

At 360 pounds, it's easy to toss around for both newbies and road veterans alike.

E SEAT

Standard Seat – At 27.5 inches, it gives you comfort and confidence whether you're riding it or parking it.
Low Seat – With a low 25.5 inch seat height, this option provides even more confidence.

F BRAKES

Easy to reach. Easy to pull. Easy to stop. Plus the clutch and brake levers reduce reach and effort for easier and more comfortable operation.

G SUSPENSION

The Showa® suspension provides a controlled ride without adjustment for people of just about any size or weight.

H BODYWORK

Durable Surlyn® composite body panels help the Blast keep its good looks.

I DASH

It's everything you'd want in a clean, easy-to-read dash. No guesswork here. Just a speedometer, LED odometer, tripmeter, built-in LED indicator lamps for low oil pressure, indicator for high beam, turn signals and neutral light.

J ENGINE

The 492cc, single cylinder engine is the main reason why the Blast could very well be the easiest motorcycle to ride on the entire planet. With its broad powerband and generous torque, the Blast offers controllable power that encourages and inspires. You'll spend less time shifting and more time focusing on that minivan that's had its turn signal on for the last three blocks.



ENGINE

Engine type.....	Air-cooled, four-stroke, single cylinder
Displacement	492 cc / 30 in ³
Bore	3.50 in / 89 mm
Stroke.....	3.13 in / 79 mm
Compression Ratio.....	9.20:1
Valve Train	OHV, two valves per cylinder, hydraulic adjusters
Valve Adjustment	Self-adjusting
Fuel Delivery	40 mm Keihin CV carburetor w/auto fuel enricher system
Horsepower.....	34 hp
Torque.....	30 ft-lb @ 5500rpm
Lubrication	Dry sump; 2 qt (1890 cc)
Battery	12 volt, 12 amp-hour, sealed lead acid, maintenance free

TRANSMISSION

Primary Drive Type	Triplex chain
Primary Drive Ratio	1.6:1
Clutch Type	Wet, multiplate
Final Drive.....	Kevlar® belt; ratio 2.96:1
Transmission type	5-speed
Transmission Ratio:	
1st	2.69
2nd	1.85

3rd	1.43
4th	1.18
5th	1.00

WEIGHT AND CAPACITIES

Fuel Tank Capacity	2.8 gal / 10.6 liters
Gross Vehicle Weight Rating.....	780 lbs / 354 kg
Dry Weight	360 lbs / 163.3 kg
Load Carrying Capacity	390 lbs / 177 kg
Mileage per US EPA Urban Trace, City.....	69 mpg
Highway	72.8 mpg

BRAKES

Front Brake	Four-piston caliper, 320 mm stainless steel rotor
Rear Brake.....	Dual-piston caliper, 220 mm stainless steel rotor

SUSPENSION

Wheelbase	55.30 in / 1405 mm
Rake/Trail	25° / 3.40 in (86 mm)
Front Suspension	Showa® conversional 37 mm fork
Rear Suspension.....	Showa® non-adjustable gas charge compression shock
Front Wheel Travel	4 in / 102 mm
Rear Wheel Travel	4 in / 102 mm

WHEELS AND TIRES

Front Wheel Type	5-spoke cast, 2.5 x 16 in; stardust silver finish
Rear Wheel Type	5-spoke cast, 2.75 x 16 in; stardust silver finish
Front Tire	Dunlop® 100 / 80-16 50s, K330 series bias-belted
Rear Tire	Dunlop® 120 / 80-16 50s, K330 series bias-belted
Seat Height	27.5 in / 699 mm (standard); 25.50 in / 648 mm (low profile)

INSTRUMENTS

Electronic speedometer with LED odometer and tripmeter, built-in LED indicator lamps for low oil pressure, high beam, turn signals and neutral.

COLORS

Body Work

Midnight Black, Battle Blue

WARRANTY TERM

24 Months / Unlimited mileage

MISC.

Flexible turn signals, Adjustable shifter, Two seat heights, Reduced reach-effort levers

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