HARLEY-DAVIDSON

# MODEL YEAR 2023 | BREAKOUT®

| Dimensions | FXBR Breakout® | Notes |
|---|---|---|
| Length | 93.3 in. (2,370 mm) | |
| Overall Width | 37.4 in. (950 mm) | |
| Overall Height | 42.7 in. (1,085 mm) | |
| Seat Height, Laden | 25.6 in. (650 mm) | 2 |
| Seat Height, Unladen | 26.2 in. (665 mm) | |
| Static Ground Clearance | 4.5 in. (115 mm) | |
| Rake (steering head) (deg) | 34 | |
| Fork Angle (deg) | 36 | |
| Trail | 5.7 in. (145 mm) | |
| Wheelbase | 66.7 in. (1,695 mm) | |
| Tires, Type | Michelin® Scorcher® "11" front and rear | |
| Tires, Front Model | Scorcher™ "11" | |
| Tires, Front Specification | 130/60B21,63H,BW | |
| Tires, Rear Model | Scorcher™ "11" | |
| Tires, Rear Specification | 240/40R18,79V,BW | |
| Fuel Capacity | 5 gal. (18.9 l) | |
| Reserve Fuel Capacity, Fuel Injection (warning light) ( | 1 gal. (3.8 l) | |
| Oil Capacity (w/filter) | 5 qt. (4.7 l) | |
| Transmission Capacity | 1 qt. (.95 l) | |
| Primary Chain Case Capacity | 1.43 qt. (1.35 l) | |
| Coolant Capacity | N/A | |
| Weight, As Shipped | 653 lb. (296 kg) | |
| Weight, In Running Order | 683 lb. (310 kg) | |
| Gross Vehicle Weight Rating | 1,175 lb. (533 kg) | |
| Gross Axle Weight Rating, Front | 450 lb. (204 kg) | |
| Gross Axle Weight Rating, Rear | 760 lb. (345 kg) | |
| Luggage Capacity -Volume | N/A | |

| Engine | FXBR Breakout® | Notes |
|---|---|---|
| Engine | Milwaukee-Eight™117 | |
| Valves | Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder | |
| Bore | 4.075 in. (103.5 mm) | |
| Stroke | 4.5 in. (114 mm) | |
| Displacement | 117 cu in (1,923 cc) | |
| Compression Ratio | 10.2:1 | |
| Fuel System | Electronic Sequential Port Fuel Injection (ESPFI) | 3 |
| Air Cleaner | Heavy Breather intake with synthetic media, washable exposed element | |
| Exhaust | 2-into-2 staggered; catalyst in muffler | |
| Lubrication System | Pressurized, dry-sump with oil cooler | |

| Drivetrain | FXBR Breakout® | Notes |
|---|---|---|
| Primary Drive | Chain, 34/46 ratio | |
| Final Drive | Belt, 32/66 ratio | |
| Clutch | Mechanical, 10 plate wet, assist & conventional | |
| Transmission | 6-Speed Cruise Drive® | |
| Gear Ratios | 9.311 | |
| Gear Ratios | 6.454 | |
| Gear Ratios | 4.793 | |
| Gear Ratios | 3.882 | |
| Gear Ratios | 3.307 | |
| Gear Ratios | 2.79 | |

| Chassis | FXBR Breakout® | Notes |
|---|---|---|
| Frame | Mild steel, tubular frame; rectangular section backbone; stamped, cast, and forged junctions; MIG welded; aluminum forged fender supports | |
| Swingarm | Mild steel, tubular sections, stamped x-member, forged axle junctions; MIG welded; removable belt spacer | |

| | | |
|---|---|---|
| Front Fork | Dual-bending valve 49 mm telescopic with aluminum fork triple clamps; dual rate spring | |
| Rear Shocks | Hidden, free piston, coil-over monoshock; 43mm stroke; toolless hydraulic preload adjustment | |
| Wheels, Optional Style Type | N/A | 4 |
| Wheels, Front Type | Gloss black, 26-spoke cast aluminum | 4 |
| Wheels, Front Width | 3.5 in. (89 mm) | |
| Wheels, Front Height | 21 in. (533 mm) | |
| Wheels, Rear Type | Gloss black, 26-spoke cast aluminum | 4 |
| Wheels, Rear Width | 8 in. (203 mm) | |
| Wheels, Rear Height | 18 in. (457 mm) | |
| Brakes, Caliper Type | 4-piston fixed front and 2-piston floating rear | |
| Brakes, Rotor Type | Front and rear black, Split 7-spoke floating rotors | |
| Brakes, Front Diameter | 11.8 in. (300 mm) | |
| Brakes, Front Thickness | 0.2 in. (5.1 mm) | |
| Brakes, Front is dual | No | |
| Brakes, Rear Diameter | 11.5 in. (292 mm) | |
| Brakes, Rear Thickness | 0.23 in. (5.8 mm) | |
| Brakes, Anti-Lock Braking System (ABS) | Standard | |
| Suspension Travel, Front | 5 in. (130 mm) | |
| Suspension Travel, Rear | 3.4 in. (86 mm) | |

| **Performance** | **FXBR Breakout®** | **Notes** |
|---|---|---|
| Engine Torque Testing Method | J1349 | |
| Engine Torque | 123 ft-lb (167 Nm) | 5 |
| Engine Torque | 3,500 | |
| Power | 101 HP / 75 kW @ 4750 rpm | |
| Lean Angle Testing Method | J1168 | |
| Lean Angle, Right (deg.) | 26.8 | |
| Lean Angle, Left (deg.) | 26.8 | |
| Fuel Economy Testing Method | Estimated City/Hwy | |
| Fuel Economy ( | 47 mpg (5 l/100 km) | 6 |
| $CO^2$ Emissions Testing Method | N/A | |
| $CO^2$ Emissions ( | N/A | |

| Electric | FXBR Breakout® | Notes |
|---|---|---|
| Battery | Sealed, maintenance-free, absorbed glass mat (AGM) battery, 12V, 17.5Ah, 310 CCA at 0°F | |
| Charging | Three-phase, 42 Amp system (390 Watts @13 Volts, 1000 rpm, 546 Watts max power @ 13 Volts, 2000 rpm) | |
| Starting | 1.6 kW electric with solenoid shift starter motor engagement | |
| Lights (as per country regulation), Headlamp | All LED, low beam, high beam and signature position lamp | |
| Lights (as per country regulation), Tail/Stop | Incandescent bullets | |
| Lights (as per country regulation), Front Signal Lights | Incandescent bullets | |
| Lights, Rear Turn Signals | Incandescent bullets | |
| Gauges | 2.14-inch viewable area LCD display with speedometer, gear, odometer, fuel level, clock, trip, range and tachometer indication | |
| Auxiliary Lamps | N/A | |
| Electric Power Outlet | USB A-type; output 5V at 2.4A | |
| GPS System | N/A | |
| Reverse Gear | N/A | |

| Warranty And Service | FXBR Breakout® | Notes |
|---|---|---|
| Warranty | 24 months (unlimited mileage) | 7 |
| Service Interval | First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter | 8 |

| Footnotes | FXBR Breakout® | |
|---|---|---|
| 1 | Vehicles depicted may differ from vehicles manufactured and delivered. Specifications and prices listed may differ from specifications and prices of vehicles manufactured and delivered. All product descriptions (including depictions, specifications, dimensions, measurements, ratings and competitive comparisons) are based on available information at the time of publication. Although such descriptions are believed correct, errors and changes can occur | |

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| | and complete accuracy cannot be guaranteed. Harley-Davidson may make changes at any time to prices and specifications, and may change or discontinue models, without notice and without incurring any obligation. Attention: Vehicles in the configurations shown and many of the accessories described in this catalog may not be available for sale or use in some locations. Please check with your dealer for complete product details and the latest information. All models feature 6-speed transmission (VRSC™ models and Sportster® models are 5-speed) and carbon fiber belt final drive; multi-plate clutch with diaphragm spring in oil bath; and 2-year unlimited mileage warranty. | |
| 2 | Measurement reflects 180 lb. (81.7 kg) operator weight. | |
| 3 | Recommended 91 octane or higher fuel (R+M)/2. | |
| 4 | Standard and optional wheels may vary by country and region. | |
| 5 | Values shown are nominal. Performance may vary by country and region. | |
| 6 | The combined fuel economy numbers were derived using a combination of estimated city and highway values. Fuel economy estimates are derived from US EPA exhaust emission certification data on a sample motorcycle from the corresponding family under ideal laboratory conditions. Your actual fuel economy will vary depending on your personal riding habits, road and driving conditions, vehicle condition and maintenance, tire pressure, vehicle configuration (parts and accessories), and vehicle loading (cargo, rider and passenger weight). Break-in mileage may vary. | |
| 7 | See motorcycle owner’s manual for complete details. | |
| 8 | Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner’s Manual for full details. | |

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