

# MODEL YEAR 2024 | 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. (114.3 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 Diameter	21 in. (533 mm)	
Wheels, Front Width	3.5 in. (89 mm)	
Wheels, Rear Type	Gloss black, 26-spoke cast aluminum	4
Wheels, Rear Diameter	18 in. (457 mm)	
Wheels, Rear Width	8 in. (203 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)	

<b>Performance</b>	<b>FXBR Breakout®</b>	<b>Notes</b>
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 <sub>2</sub> Emissions Testing Method	N/A	
CO <sub>2</sub> Emissions	N/A	

<b>Electric</b>	<b>FXBR Breakout®</b>	<b>Notes</b>
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	Bullet-style, dual-element incandescent stop/tail/turn signals	
Lights (as per country regulation), Front Signal Lights	Incandescent Bullet Turn Signals	
Lights, Rear Turn Signals	Incandescent Bullet Turn Signals	
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	

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

<b>Footnotes</b>	<b>FXBR Breakout®</b>	
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 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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