



SOFTAIL®

FAT BOB® Model Specifications¹ FXFB

DIMENSIONS

| | |
|--|---|
| Length | 92.1 in. (2340 mm) |
| Overall Width | 37.8 in. (960 mm) |
| Overall Height | 43.7 in. (1110 mm) |
| Seat Height: | |
| • Laden ² | 27.7 in. (704 mm) |
| • Unladen | 28 in. (710 mm) |
| Ground Clearance | 4.7 in. (120 mm) |
| Rake (steering head) | 28° |
| Fork Angle | 28° |
| Trail | 5.2 in. (132 mm) |
| Wheelbase | 63.6 in. (1615 mm) |
| Tires (Dunlop® Harley-Davidson® Series, bias blackwall front and radial blackwall rear): | |
| • Front – D429F | 150/80-16,71H,BW |
| • Rear – D429 | 180/70B16,77H,BW |
| Fuel Capacity | 3.6 gal. (13.6 l) <i>(warning light at approximately 1 gal.)</i> |
| Oil Capacity (w/filter) | 5 qt. (4.7 l) |
| Transmission Capacity | 1 qt. (.95 l) |
| Primary Chain Case Capacity | 1.25 qt. (1.18 l) |
| Weight: | |
| • As Shipped | 653 lb. (296 kg) |
| • In Running Order | 673 lb. (305 kg) |
| • Gross Vehicle Weight Rating | 1160 lb. (526 kg) |
| • Gross Axle Weight Rating | |
| • Front | 450 lb. (204 kg) |
| • Rear | 730 lb. (331 kg) |

ENGINE

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| Engine | Milwaukee-Eight® 107 |
| Valves | Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder |
| Bore x Stroke | 3.937 in. x 4.374 in. (100 mm x 111 mm) |
| Displacement | 107 cu. in. (1746 cc) |
| Compression Ratio | 10.0:1 |
| Fuel System ³ | Electronic Sequential Port Fuel Injection (ESPFI) |
| Air Cleaner | 8.5 in. round, radial bolt cover with washable fiberglass filter media |
| Exhaust | 2-into-1-into-2 dual side; catalyst in header |
| Lubrication System | Pressurized, dry-sump with oil cooler |

DRIVETRAIN

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|------------------------|---|
| 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 (overall): | U.S. |
| • 1st | 9.311 |
| • 2nd | 6.454 |
| • 3rd | 4.793 |
| • 4th | 3.882 |
| • 5th | 3.307 |
| • 6th | 2.79 |

CHASSIS

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|-----------------------|---|
| 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 Forks | Single cartridge 43 mm inverted with aluminum fork triple clamps; triple rate spring |
| Rear Shocks | Hidden, free piston, coil-over monoshock; 56 mm stroke; toolless hydraulic preload adjustment |
| Wheels ⁴ : | Denim Black, Structure Cast Aluminum with laser etched graphics |
| • Front | 16 in. x 3 in. (406 mm x 76 mm) |
| • Rear | 16 in. x 5 in. (406 mm x 127 mm) |

Brakes:

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| • Caliper Type | 4-piston fixed front and 2-piston floating rear |
| • Rotor Type (diameter x width): | Front and rear black, Split 7-spoke floating rotors |
| • Front (dual) | 11.8 in. x .2 in. (300 mm x 5.1 mm) |
| • Rear | 11.5 in. x .23 in. (292 mm x 5.8 mm) |
| • Anti-Lock Braking System | Optional |

Suspension Travel:

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| • Front Wheel | 5.1 in. (130 mm) |
| • Rear Wheel | 4.4 in. (113 mm) |

PERFORMANCE

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| Engine Torque ⁵ (per J1349): | |
| • North America | 107 ft. lb. @ 3500 rpm (145 Nm @ 3500 rpm) |
| Lean Angle (per J1168): | |
| • Right | 31° |
| • Left | 32° |
| Fuel Economy ⁶ (Estimated City/Hwy) | 47 mpg (5 l/100 km) |

ELECTRIC

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| Battery (per Battery Council International Rating) | Sealed, maintenance-free, absorbed glass mat (AGM) battery, 12V, 17.5Ah, 310 cca at 0°F |
| Charging | Three-phase, 42 amp system (390W @ 13V, 1000 rpm, 546W max power @ 13V, 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 |
| • Front Signal Lights | Incandescent bullets |
| • Indicator Lamps | High beam, turn signals, neutral, low oil pressure, engine diagnostics, ABS (optional), security system ⁷ , low battery voltage, low fuel |
| Gauges | 4-inch analog tachometer with digital speedometer, gear, odometer, fuel level, clock, trip and range indication |
| Electric Power Outlet | USB A-type; output 5V at 2.4A |
| Warranty | 24 months (unlimited mileage) |
| Service Interval ⁸ | First 1000 miles (1600 km), every 5000 miles (8000 km) thereafter |

¹ Vehicles depicted may differ from the vehicle 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 change or discontinue other available models, without notice and without incurring any obligation. Vehicles in the configurations shown and many of the accessories described may not be available for sale or use in some locations. Please check with your dealer for complete product details and the latest information regarding available models and accessories. All models feature 6-speed transmission (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 North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

⁸ See motorcycle Owner's Manual for complete details.

⁹ Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner's Manual for full details.