

FLS

SOFTAIL SLIM®

MODEL SPECIFICATIONS¹



DIMENSIONS	
Length	92.5 in. (2350 mm)
Overall Width	39 in. (990 mm)
Overall Height	43.3 in. (1100 mm)
Seat Height:	
• Laden ²	23.8 in. (605 mm)
• Unladen	25.6 in. (650 mm)
Ground Clearance	4.5 in. (115 mm)
Rake (steering head)	32.1°
Fork Angle	31°
Trail	5.8 in. (147 mm)
Wheelbase	64.4 in. (1635 mm)
Tires (Dunlop® Harley-Davidson® Series, bias blackwall front and rear):	
• Front – D402F	MT90B16 72H
• Rear – D402	MU85B16 77H
Fuel Capacity	5 gal. (18.9 L)
(warning light at approximately 0.9 gal.)	
Oil Capacity (w/filter)	3.5 qts. (3.3 L)
Transmission Capacity	1 qt. (.95 L)
Primary Chain Case Capacity	1 qt. (.95 L)
Weight:	
• As Shipped	672 lbs. (305 kg)
• In Running Order	701 lbs. (318 kg)
• Gross Vehicle Weight Rating	1160 lbs. (526 kg)
• Gross Axle Weight Rating:	
• Front	430 lbs. (195 kg)
• Rear	730 lbs. (331 kg)
ENGINE	
Engine	Air-cooled, Twin Cam 103B™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	3.87 in. x 4.374 in. (98.4 mm x 111.1 mm)
Displacement	103.1 cu. in. (1690 cc)
Compression Ratio	9.6:1
Fuel System ³	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper, washable
Lubrication System	Pressurized, dry-sump

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/66 ratio
Clutch	Multi-plate, wet
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	
Frame	Mild steel tubular frame; rectangular section backbone; stamped, cast, and forged junctions; forged fender supports; MIG welded
Swingarm	Mild steel, round tube sections, forged junctions; MIG welded
Front Forks	41.3 mm telescopic, “beer can” covers
Rear Shocks	Hidden, horizontal-mounted, coil-over
Wheels:	Black Steel Laced
• Front	16 in. x 3 in. (406 mm x 76 mm)
• Rear	16 in. x 3 in. (406 mm x 76 mm)
Brakes:	
• Caliper Type	4-piston front and 2-piston rear
• Rotor Type	Patented, uniform expansion rotors
(diameter x width):	
• Front	11.5 in. x .2 in. (292 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:	
• Front Wheel	5.1 in. (130 mm)
• Rear Wheel	4.3 in. (109 mm)
PERFORMANCE	
Engine Torque ⁵ (per J1349):	
• North America	97.4 ft. lbs. @ 3000 RPM (132 Nm @ 3000 RPM)
Lean Angle (per J1168):	
• Right	24°
• Left	24.9°
Fuel Economy ⁶ (EPA urban/highway test)	42 mpg (5.6 L/100 km)

ELECTRIC	
Battery (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 19-amp/hour, 270 cca
Charging	Three-phase, 38-amp system (439W @ 13V, 2000 RPM, 489W max power @ 13V)
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp (quartz halogen)	55-watt low beam, 60-watt high beam
• Turn Signal Lights	28W self-canceling
• Rear Tail/Stop/Turn Signal Lights	8W/28W self-canceling
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, security system ⁷ (optional), 6-speed, low fuel warnings
WARRANTY	
Warranty ⁸	24 months (unlimited mileage)
Service Interval ⁹	First 1000 miles (1600 km), every 5000 miles (8000 km) thereafter

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 (V-Rod® 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 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.