

NEW FLD SWITCHBACK

MODEL SPECIFICATIONS¹



DIMENSIONS

Length	92.8 in. (2357 mm)
Overall Width	37.7 in. (958 mm)
Overall Height	55.5 in. (1409 mm)
Seat Height:	
• Laden ²	26.1 in. (663 mm)
• Unladen	27.4 in. (695 mm)
Ground Clearance	4.3 in. (110 mm)
Rake (steering head)	29.9°
Fork Angle	28.9°
Trail	5.84 in. (148.3 mm)
Wheelbase	62.8 in. (1595 mm)

Tires (Dunlop® Harley-Davidson® Series, bias blackwall front and rear):

- Front – Dunlop® D402F 130/70B18 63H
- Rear – Dunlop® D401 160/70B17 73H

Fuel Capacity **4.7 gal.** (17.8 L)
(warning light at approximately 0.9 gal.)

Oil Capacity (w/filter) **3.0 qts.** (2.8 L)

Transmission Capacity **1.0 qt.** (.95 L)

Primary Chain **1.0 qt.** (.95 L)

Case Capacity

Weight:

- As Shipped **696 lbs.** (316 kg)
- In Running Order **718 lbs.** (326 kg)
- Gross Vehicle Weight Rating **1170 lbs.** (531 kg)
- Gross Axle Weight Rating:
- Front **455 lbs.** (206 kg)
- Rear **794 lbs.** (360 kg)

ENGINE

Engine	Air-cooled, Twin Cam 103™
Valves	Pushrod-operated, overhead valves with hydraulic, self adjusting lifters; two valves per cylinder
Bore x Stroke	3.875 in. x 4.38 in. (98.4 mm x 111.3 mm)
Displacement	103 cu. in. (1690 cc)
Compression Ratio	9.6:1
Fuel System ³	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Fiberglass media, 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, rectangular tube sections, stamped junctions; MIG welded
Front Forks	41.3 mm fork with 20 mm cartridge damping and triple rate spring
Rear Shocks	Nitrogen charged 36 mm monotube damper with 5 step preload adjustable dual rate spring
Wheels:	Black 5-Spoke Cast Aluminum with highlighted rim
• Front	18 in. x 3.5 in. (457 mm x 89 mm)
• Rear	17 in. x 4.5 in. (432 mm x 114 mm)
Brakes:	
• Caliper Type	4-piston fixed front, and 2-piston torque-free floating rear
• Rotor Type (diameter x width):	Patented, uniform expansion rotors (floating, front only)
• Front (floating)	11.8 in. x .2 in. (300 mm x 5.1 mm)
• Rear	11.5 in. x .2 in. (292 mm x 5.1 mm)
• Anti-lock Braking System	Available
Suspension Travel:	
• Front Wheel	3.86 in. (98 mm)
• Rear Wheel	2.13 in. (54 mm)

PERFORMANCE

Engine Torque⁵ (per J1349):

- North America **100 ft. lbs. @ 3500 RPM**
(136 Nm @ 3500 RPM)

Lean Angle (per J1168):

- Right 29°
- Left 29°

Fuel Economy⁶ **42 mpg** (5.6 L/100 km)
(EPA urban/highway test)

ELECTRIC

Battery (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 19-amp/hour, 270 cca
Charging	Three-phase, 40-amp system (493W @ 13.5V, 2000 RPM, 540W max power @ 13.5V)
Starting	1.2kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp (quartz halogen)	55-watt low beam, 60-watt high beam
• Tail/Stop Lights	8W/28W
• Turn Signal Lights	28W self-canceling
• Indicator Lamps	High beam, neutral, low oil pressure, engine diagnostics, turn signals, low fuel warning, security system ⁷ (optional), low battery, body controller diagnostics

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 2500 mile (4000 km) intervals. See Owner's Manual for full details.