

FLHR ROAD KING® MODEL SPECIFICATIONS¹»



DIMENSIONS

Length	95.0 in. (2413.0 mm)
Overall Width	37.40 in. (949.96 mm)
Overall Height	55.10 in. (1399.54 mm)
Seat Height:	
• Laden ²	27.30 in. (693.42 mm)
• Unladen	29.90 in. (759.46 mm)
Ground Clearance	5.10 in. (129.54 mm)
Rake (steering head)	26°
Fork Angle	29.2°
Trail	6.69 in. (169.93 mm)
Wheelbase	63.50 in. (1612.90 mm)

Tires (Dunlop® Harley-Davidson Series, bias narrow whitewall):

- Front – D408F NW 130/80B17 65H
- Rear – D407 NW 180/65B16 81H

Fuel Capacity **6 gal.** (22.71 L)
(warning light at approximately 1 gal.)

Oil Capacity (w/filter) **4 qts.** (3.78 L)

Transmission Capacity **1 qts.** (0.95 L)

Primary Chain Case Capacity **1.40 qts.** (1.32 L)

- Weight:
- As Shipped **775 lbs.** (351.54 kg)
 - In Running Order **812 lbs.** (368.32 kg)
 - Gross Vehicle Weight Rating **1360 lbs.** (616.90 kg)
 - Gross Axle Weight Rating
 - Front **500 lbs.** (226.80 kg)
 - Rear **927 lbs.** (420.49 kg)

ENGINE

Engine ³	Air-cooled, Twin Cam 96™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	3.75 in. x 4.38 in. (95.25 mm x 111.25 mm)
Displacement ³	96 cu. in. (1584 cc)
Compression Ratio	9.2:1
Fuel System ⁴	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Fiberglass, washable
Lubrication System	Pressurized, dry-sump

DRIVETRAIN

Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/68 ratio
Clutch	Multi-plate, wet
Transmission	6-Speed Cruise Drive®
Gear Ratios (overall):	U.S.
• 1st	9.593
• 2nd	6.650
• 3rd	4.938
• 4th	4.000
• 5th	3.407
• 6th	2.875

CHASSIS

Frame	Mild steel; tubular frame; two-piece stamped and welded backbone; cast and forged junctions; twin downtubes; bolt-on rear frame with forged fender supports; MIG welded
Swingarm	Mild steel; two-piece drawn and welded section; forged junctions; MIG welded
Front Forks	41.30 mm telescopic
Rear Shocks	Air-adjustable
Wheels ⁵ (Chrome, Profile Laced Aluminum option):	Black, 28-spoke Cast Aluminum
• Front	17 in. x 3 in. (431.80 mm x 76.20 mm)
• Rear	16 in. x 5 in. (406.40 mm x 127 mm)
Brakes:	
• Caliper Type	32 mm, 4-piston fixed front and rear
• Rotor Type (diameter x width):	Patented, fixed rotors
• Front (dual)	11.81 in. x .20 in. (299.97 mm x 5.08 mm)
• Rear	11.81 in. x .28 in. (299.97 mm x 7.11 mm)
• Anti-Lock Braking System (option)	Available

Suspension Travel:

- Front Wheel **4.60 in.** (116.84 mm)
- Rear Wheel **3 in.** (76.20 mm)

Engineered for Sidecar Use Available

PERFORMANCE

Engine Torque ⁶ (per SAE J1349):	
• North America	92.60 ft. lbs. @ 3500 rpm (125.55 Nm @ 3500 rpm)

PERFORMANCE (continued)

Lean Angle (per SAE J1168):

- Right **33°**
- Left **31°**

Fuel Economy⁷ **35/54 mpg** (6.72/4.36 L/100 km)
(EPA urban/highway test)

ELECTRIC

Battery (per Battery Council International Rating) Sealed, maintenance-free, 12V, 28-amp/hour, 370 cca

Charging Three-phase, 50-amp system
(585W @ 13V, 2000 rpm, 650W 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
- Tail/Stop Lights **8W/28W** (5W/21W)
- Turn Signal Lights **28W** (21W) self-canceling
- Indicator Lamps High beam, running lights, front fender running lights, directional light bar, neutral, low oil pressure, engine diagnostics, turn signals, security system⁸ (optional), 6-speed, low fuel warning, cruise control (optional), ABS (optional)

WARRANTY

Warranty ⁹	24 months (unlimited mileage)
Service Interval	First 1,000 miles (1,600 km), every 5,000 miles (8,000 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 (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 fuel systems may vary by country and region.

⁵ Standard and optional wheels may vary by country and region.

⁶ Values shown are nominal. Performance may vary by country and region.

⁷ Estimated from fuel economy tests on a sample motorcycle from the corresponding family conducted by Harley-Davidson under ideal laboratory conditions. Not all motorcycle models undergo fuel economy testing. Fuel economy and mileage may vary among motorcycle models within a family. Your mileage may vary depending on your personal riding habits, weather conditions, trip length, vehicle condition and vehicle configuration and other conditions. Break-in mileage may vary.

⁸ North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

⁹ See motorcycle owner's manual for complete details.