



TOURING

ROAD KING® Model Specifications¹ FLHR

DIMENSIONS	
Length	96.5 in. (2450 mm)
Overall Width	37.8 in. (960 mm)
Overall Height	56.3 in. (1430 mm)
Seat Height:	
• Laden ²	26.3 in. (667 mm)
• Unladen	27.8 in. (705 mm)
Ground Clearance	5.3 in. (135 mm)
Rake (steering head)	26°
Fork Angle	29.25°
Trail	6.7 in. (170 mm)
Wheelbase	64 in. (1625 mm)
Tires (Dunlop® Harley-Davidson® Series, bias blackwall front and rear):	
• Front – D408F	BW 130/80B17 65H
• Rear – D407T	BW 180/65B16 81H
Fuel Capacity	6 gal. (22.7 l) <i>(warning light at approximately 1 gal.)</i>
Oil Capacity (w/filter)	5.2 qt. (4.9 l)
Transmission Capacity	1 qt. (.95 l)
Primary Chain Case Capacity ³	1.1 qt. (1 l)
Weight:	
• As Shipped	798 lb. (362 kg)
• In Running Order	836 lb. (379 kg)
• Gross Vehicle Weight Rating	1360 lb. (617 kg)
• Gross Axle Weight Rating	
• Front	500 lb. (227 kg)
• Rear	927 lb. (420 kg)
Luggage Capacity:	
• Volume	2.3 cu. ft. (0.064 m ³)
ENGINE	
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 111.1 mm)
Displacement	107 cu. in. (1746 cc)
Compression Ratio	10:1
Fuel System ⁴	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper, washable
Exhaust	Chrome, 2-1-2 dual exhaust with tapered mufflers
Lubrication System	Pressurized, dry-sump with oil cooler

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/68 ratio
Clutch	Hydraulically actuated 10 plate wet, Assist & Slip
Transmission	6-Speed Cruise Drive®
Gear Ratios (overall):	U.S.
• 1st	9.593
• 2nd	6.65
• 3rd	4.938
• 4th	4
• 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	49 mm Dual Bending Valve
Rear Shocks	Premium standard height hand-adjustable rear suspension
Wheels ⁵ :	Impeller Cast Aluminum
• Front	17 in. x 3 in. (432 mm x 76 mm)
• Rear	16 in. x 5 in. (406 mm x 127 mm)
Brakes:	
• Caliper Type	32 mm, 4-piston fixed front and rear
• Rotor Type (diameter x width):	Dual floating rotors (front), fixed rotor (rear)
• Front (dual)	11.8 in. x 2 in. (300 mm x 5.1 mm)
• Rear	11.8 in. x .28 in. (300 mm x 7.1 mm)
• Anti-Lock Braking System	Optional
Suspension Travel:	
• Front Wheel	4.6 in. (117 mm)
• Rear Wheel	3 in. (76 mm)
PERFORMANCE	
Engine Torque ⁶ (per J1349):	
• North America	111 ft. lb. @ 3250 rpm (151 Nm @ 3250 rpm)
Lean Angle (per J1168):	
• Right	32°
• Left	32°
Fuel Economy ⁶ (Estimated City/Hwy)	43 mpg (5.5 l/100 km)

ELECTRIC	
Battery (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 28-amp/hour, 405 cca
Charging	Three-phase, 48-amp system (600W @ 13V, 2000 rpm, 625W max power @ 13V)
Starting	1.6 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp (Dual Halogen)	55-watt 625 lumen low beam, 65-watt 1,570 lumen high beam with switchable 26 watt 440 lumen halogen fog lights. Total of 986 lumen output at low beam with fog lights
• Tail/Stop Lights	8W/28W
• Front Signal Lights	8W/28W
• Indicator Lamps	High beam, running lights, directional light bar, neutral, low oil pressure, engine diagnostics, turn signals, battery, security system ⁷ (optional), low fuel warning, cruise control, ABS (optional), Gear/RPM display, miles to empty display
• Rear Turn Signals	28W
Gauges	Gauges styled to complement each vehicle. Display features odometer, trip A, trip B, range to empty and gear indicator; and larger tell-tale indicators
Auxiliary Lamps (except where prohibited by law)	Two LED @ 35W each
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 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.