



# ROAD KING®

FLHR

Comfortable Long-distance Touring in Timeless Cruiser Style





# ROAD KING<sup>®</sup>

## MODEL OVERVIEW FLHR

### NEW IN 2017

- Milwaukee-Eight™ 107 engine, the most powerful, coolest-running motor we've ever built\*
- Rear exhaust pipe and catalytic converters repositioned away from the passenger for less heat and a more comfortable ride
- Precision oil-cooling for cooler running and consistent performance
- Front and rear suspension
  - Front suspension uses Showa® Dual Bending Valve (SDBV™) technology and gives you 117 mm of travel
  - Hand-adjustable emulsion rear shocks provide 15-30% more preload adjustment and adjust with the turn of a single knob, no tools required; new bigger pistons improve damping performance over the range of suspension travel
- Paint color options including Custom paint and Hard Candy Custom™ colors

### MODEL UNIQUE FEATURES

#### Style

- Classic Hiawatha Headlamp, large chrome nacelle, wide set handlebar
- Minimalist tank-mounted gauge keeps handlebar uncluttered while still providing all essential readouts
- Impeller Cast Aluminum wheels, 17-inch front, 16-inch rear
- Dual front, floating open rotors
- Streamlined, low-profile front fender
- 49 mm telescopic front forks
- Sleek saddlebags with chrome saddlebag support structure
- Sleek saddlebag guard
- Black powder-coated engine with chrome covers
- Tank and front fender medallions
- Chrome 2-1-2 dual exhaust with tapered mufflers
- Clean rear fender and low-mount license plate module with LED illumination

#### Fit

- Narrow primary drive for a straighter, easier reach to the ground
- Ergonomically comfortable handlebar
- One-piece, two-up Road King® seat
- Saddlebag guard shaped for passenger comfort
- Full-length rider footboards with heel/toe shift levers
- Height-adjustable passenger footboards

#### Function

- Dual Halogen headlight and halogen fog lamps
- 49 mm Showa® Dual Bending Valve technology
- Large diameter, hand-adjustable rear emulsion shocks
- Electronic cruise control, standard
- King Size H-D® Detachables™ windshield
- Tank-mounted speedometer with wide numbers; display screen features odometer, trip A, trip B, clock, range to empty, tachometer, and gear indicator

### MODEL UNIQUE FEATURES *(continued)*

#### Function *(continued)*

- Ergonomic hand controls with intuitive design and tactile feel. Includes trigger switch for odometer, trip A, trip B, clock, range to empty, tachometer, and gear indicator; hazard warning switch
- Saddlebags with One-Touch design latch
- Saddlebag locks common with ignition key
- Charging system with 50% more power at idle
- CAN-based electrical system
- Standard battery charging harness
- Electronic throttle control
- Dunlop® 180 mm multi-tread rear tire
- Brembo® 4-piston front and rear calipers
- 6-gallon fuel tank for extended range
- Electric power accessory connector under seat

#### Performance

- Milwaukee-Eight™ 107 engine
- High-flow airbox
- Electronic Sequential Port Fuel Injection (ESPF) with heated O2 sensors
- 6-Speed Cruise Drive® transmission with Isolated Drive
- System (IDS) for smooth power delivery
- Rider-Initiated Engine Idle Temperature Management Strategy (EITMS)

### AVAILABLE OPTIONS

- Reflex™ Linked Brakes with ABS<sup>1</sup>
- Smart Security System<sup>2</sup> with proximity based, hands-free security fob (factory installed option)

\*Comparison drawn between new 2016 Touring models and new 2017 Touring models.

<sup>1</sup> Harley-Davidson's independent Anti-lock Braking System is designed to help you maintain control during braking events, especially those that happen in less than optimum conditions. Engineering and styling worked together to make sure the system is not only designed and carefully tested to work superbly, but that it is also engineered not to interfere with style. ABS is standard on all 2017 Touring motorcycles except the Road King®, Street Glide®, and Road Glide® models, where it remains an option.

<sup>2</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.



# ROAD KING®

## MODEL SPECIFICATIONS<sup>1</sup> FLHR

### DIMENSIONS

Length	<b>94.3 in.</b> (2394 mm), <b>96.5 in.</b> (2450 mm) (CAN)
Overall Width	<b>37.6 in.</b> (954 mm), <b>37.8 in.</b> (960 mm) (CAN)
Overall Height	<b>57.5 in.</b> (1460 mm), <b>56.3 in.</b> (1430 mm) (CAN)
Seat Height:	
• Laden <sup>2</sup>	<b>26.3 in.</b> (667 mm)
• Unladen	<b>28.2 in.</b> (715 mm), <b>27.8 in.</b> (705 mm) (CAN)
Ground Clearance	<b>5.3 in.</b> (135 mm)
Rake (steering head)	26°
Fork Angle	29.25°
Trail	<b>6.7 in.</b> (170 mm)
Wheelbase	<b>64 in.</b> (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	<b>6 gal.</b> (22.7 L)
(warning light at approximately 1.0 gal.)	
Oil Capacity (w/filter)	<b>5.2 qt.</b> (4.9 L)
Transmission Capacity	<b>1 qt.</b> (.95 L)
Primary Chain Case Capacity	<b>1.1 qt.</b> (1.0 L)
Weight:	
• As Shipped	<b>791 lb.</b> (359 kg)
• In Running Order	<b>826 lb.</b> (375 kg)
• Gross Vehicle Weight Rating	<b>1360 lb.</b> (617 kg)
• Gross Axle Weight Rating	
• Front	<b>500 lb.</b> (227 kg)
• Rear	<b>927 lb.</b> (420 kg)
Luggage Capacity	
• Volume	<b>2.3 cu. ft.</b> (0.064 m <sup>3</sup> )

### ENGINE

Engine	Milwaukee-Eight™ 107 Engine
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder
Bore x Stroke	<b>3.937 in. x 4.375 in.</b> (100 mm x 111.1 mm)
Displacement	<b>107 cu. in.</b> (1746 cc)
Compression Ratio	10.0:1
Fuel System <sup>3</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper, washable
Lubrication System	Pressurized, dry-sump with oil cooler

### DRIVETRAIN

Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/68 ratio
Clutch	Hydraulically actuated 9 plate wet, Assist & Slip
Transmission	6-Speed Cruise Drive®
Gear Ratios (overall):	<b>U.S.</b>
• 1st	<b>9.593</b>
• 2nd	<b>6.65</b>
• 3rd	<b>4.938</b>
• 4th	<b>4</b>
• 5th	<b>3.407</b>
• 6th	<b>2.875</b>

### 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 <sup>4</sup> :	Impeller Cast Aluminum
• Front	<b>17 in. x 3 in.</b> (432 mm x 76 mm)
• Rear	<b>16 in. x 5 in.</b> (406 mm x 127 mm)
Brakes:	
• Caliper Type	32 mm, 4-piston fixed front and rear
• Rotor Type	Dual floating rotors (front), fixed rotor (rear)
(diameter x width):	
• Front (dual)	<b>11.81 in. x .2 in.</b> (300 mm x 5.1 mm)
• Rear	<b>11.81 in. x .28 in.</b> (300 mm x 7.1 mm)
• Anti-lock Braking System	Optional
Suspension Travel:	
• Front Wheel	<b>4.6 in.</b> (117 mm)
• Rear Wheel	<b>3 in.</b> (76 mm)

### PERFORMANCE

Engine Torque <sup>5</sup> (per J1349):	
• North America	<b>111.4 ft. lb. @ 3250 RPM</b> (151 Nm @ 3250 RPM)
Lean Angle (per J1168):	
• Right	32°
• Left	32°
Fuel Economy <sup>6</sup>	<b>45 mpg</b> (5.2 L/100 km)
(Combined City/Hwy)	

### 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 headlight 55-watt 625 lumen low beam, 65-watt 1570 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 <sup>7</sup> (optional), low fuel warning, cruise control, ABS (optional), Gear/RPM display, miles to empty display
• Auxiliary Lamps (except where prohibited by law)	Two LED @ 35W each (N/A CAN)

### WARRANTY

Warranty <sup>8</sup>	24 months (unlimited mileage)
Service Interval <sup>9</sup>	First <b>1000 miles</b> (1600 km), every <b>5000 miles</b> (8000 km) thereafter

<sup>1</sup> 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.

<sup>2</sup> Measurement reflects 180 lb. (81.7 kg) operator weight.

<sup>3</sup> Recommended 91 octane or higher fuel (R+M)/2.

<sup>4</sup> Standard and optional wheels may vary by country and region.

<sup>5</sup> Values shown are nominal. Performance may vary by country and region.

<sup>6</sup> 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.

<sup>7</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

<sup>8</sup> See motorcycle owner's manual for complete details.

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



# ROAD KING®

## COLORS/CALLOUTS FLHR

### SOLIDS

Vivid Black  
**Billet Silver** (shown)

### PINSTRIPING

Med. Silver (inside and outside)  
Burgundy (inside), Charcoal Metallic (outside)

### TWO-TONES

Superior Blue/Billet Silver  
**NEW** Black Hills Gold/Black Quartz

### PINSTRIPING

Blue (inside), Charcoal Metallic (outside)  
Burgundy (inside), Hamilton Gold (outside)

### CUSTOM COLORS<sup>1</sup>

**NEW** Laguna Orange

### HARD CANDY CUSTOM™ COLORS<sup>1</sup>

**NEW** Hard Candy Hot Rod Red Flake

<sup>1</sup> Availability of colors may vary from dealer to dealer, and is subject to change without notice.

