

# NEW LOW RIDER<sup>®</sup>S

FXDLS

The Powerful, Dark Side of a Legend



**Model shown in HDI configuration.**

The vehicle models, configurations, options, and accessories pictured or otherwise described in this reference guide may not be available in all countries.



**Markets:** AUS, ENG, HDI, JPN

# NEW LOW RIDER® S

FXDLS

## MODEL OVERVIEW



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The new Low Rider® S motorcycle takes the FXR legacy to the dark side. Its black stripped down silhouette, enhanced handling and powerful engine are the redefinition of Harley-Davidson performance.

### NEW IN 2016

- Magnum Gold, Split 5-Spoke Cast Aluminum wheels
- Blacked-out “Tommy Gun” exhaust with dual mufflers
- Gloss Black headlamp with speed screen
- Wrinkle Black console featuring speedometer and tachometer with Black trim rings
- Solo seat for an aggressive riding position

### MODEL UNIQUE FEATURES

#### Style

- New Magnum Gold, Split 5-Spoke Cast Aluminum wheels
- Blacked-out Screamin’ Eagle® engine finish
- New Wrinkle Black console
- New Gloss Black headlamp with speed screen
- Gloss Black Heavy Breather Performance air cleaner
- Blacked-out “Tommy Gun” exhaust with dual mufflers
- Premium Blacked-out finishes: Handlebar and riser, Mirrors, Headlamp trim ring, Fork lowers, Battery box cover, Timer cover
- Chopped rear fender

#### Fit

- New solo seat for an aggressive riding position
- Narrow diameter hand grips

### MODEL UNIQUE FEATURES *(continued)*

#### Function

- Premium ride 49 mm single cartridge front suspension
- Premium ride emulsion rear shocks with enhanced compression and rebound damping control
- Dual-disc front brakes with ABS<sup>1</sup>
- Console-mounted speedometer and tachometer
- Combined ignition switch and coil
- Electronic throttle control featuring electronic cruise control with set, resume, accelerate and decelerate
- Michelin® Scorcher® “31” tires
- H-D® Factory Security System<sup>2</sup> with siren

#### Performance

- 1801 cc, Air-cooled, Screamin’ Eagle®, Twin Cam 11B™ engine with Automatic Compression Release (ACR)
- Electronic Sequential Port Fuel Injection (ESPFI) with heated O2 sensors
- 6-Speed Cruise Drive® transmission with Isolated Drive System (IDS) for smooth power delivery
- Heavy Breather Performance air cleaner
- Rider-initiated Engine Idle Temperature Management Strategy (EITMS)

# NEW LOW RIDER<sup>®</sup>S

## FXDLS

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



Specifications apply to all available markets unless noted.

DIMENSIONS	
Length	<b>2390 mm</b> (94.1 in.)
Overall Width	<b>900 mm</b> (35.4 in.)
Overall Height	<b>1170 mm</b> (46.1 in.)
Seat Height <i>(unladen)</i>	<b>685 mm</b> (27 in.)
Ground Clearance	<b>125 mm</b> (4.9 in.)
Rake <i>(steering head)</i>	30.5°
Fork Angle	32°
Trail	<b>128.3 mm</b> (5.1 in.)
Wheelbase	<b>1630 mm</b> (64.2 in.)
Tires <i>(Michelin® Scorcher® "31" front and rear):</i>	
• Front – Scorcher® "31" 100/90B19 57H	
• Rear – Scorcher® "31" 160/70B17 73V	
Fuel Capacity	<b>17.8 L</b> (4.7 gal.) <i>(warning light at approximately 3.4 L)</i>
Oil Capacity <i>(w/filter)</i>	<b>2.8 L</b> (3 qts.)
Transmission Capacity	<b>.95 L</b> (1 qt.)
Primary Chain Case Capacity	<b>.95 L</b> (1 qt.)
Weight:	
• As Shipped <b>293 kg</b> (646 lbs.)	
• In Running Order <b>305 kg</b> (672 lbs.)	
• Gross Vehicle Weight Rating <b>492 kg</b> (1085 lbs.)	
• Gross Axle Weight Rating:	
• Front <b>177 kg</b> (390 lbs.)	
• Rear <b>315 kg</b> (695 lbs.)	
ENGINE	
Engine	Air-cooled, Twin Cam 110™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	<b>101.6 mm x 111.1 mm</b> (4 in. x 4.374 in.)
Displacement	<b>1801 cc</b> (109.9 cu. in.)
Compression Ratio	9.2:1
Fuel System <sup>2</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Heavy Breather intake with black covers, fiberglass media, washable exposed element with rain sock
Lubrication System	Pressurized, dry-sump

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/66 ratio
Clutch	Mechanically actuated, 9-plate, wet, with high-performance spring
Transmission	6-Speed Cruise Drive <sup>®</sup>
Gear Ratios <i>(overall):</i>	
• 1st <b>9.311</b>	
• 2nd <b>6.454</b>	
• 3rd <b>4.793</b>	
• 4th <b>3.882</b>	
• 5th <b>3.307</b>	
• 6th <b>2.79</b>	
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	Premium ride, single cartridge, 49 mm diameter front suspension with black powder-coated aluminum fork triple clamp
Rear Shocks	Premium ride emulsion rear shocks
Wheels <sup>3</sup> :	
• Front <b>19 in. x 2.5 in.</b> (483 mm x 64 mm)	
• Rear <b>17 in. x 4.5 in.</b> (432 mm x 114 mm)	
Brakes:	
• Caliper Type 4-piston fixed front, and 2-piston torque-free floating rear	
Patented, uniform expansion rotors (floating, front only)	
• Rotor Type <i>(diameter x width):</i>	
• Front <i>(dual floating)</i> <b>300 mm x 5.1 mm</b> (11.8 in. x 0.2 in.)	
• Rear <b>292 mm x 5.8 mm</b> (11.5 in. x 0.23 in.)	
• Anti-lock Braking System Standard	
Suspension Travel:	
• Front Wheel <b>130 mm</b> (5.1 in.)	
• Rear Wheel <b>54 mm</b> (2.1 in.)	

PERFORMANCE	
Engine Torque <sup>4</sup> :	
• HDI <i>(per EEC/95/1)</i> <b>156 Nm</b> (115 ft-lb) @ <b>3500 RPM</b>	
• JPN <i>(per EEC/95/1)</i> <b>143 Nm</b> (105 ft-lb) @ <b>3500 RPM</b>	
Lean Angle <i>(per J1168):</i>	
• Right 27.5°	
• Left 28.5°	
Fuel Economy <sup>5</sup> <i>(EPA urban/highway test)</i>	<b>5.1 L/100 km</b> (44 mpg)
ELECTRIC	
Battery <i>(per Battery Council International Rating)</i>	Sealed, maintenance-free, 12V, 19-amp/hour, 270 cca
Charging	Three-phase, 40-amp system <i>(493W @ 13.5V, 2000 RPM, 540W max power @ 13.5V)</i>
Starting	1.2kW electric with solenoid shift starter motor engagement
Lights <i>(as per country regulation):</i>	
• Headlamp <i>(Quartz Halogen)</i> 55-watt low beam, 60-watt high beam	
• Tail/Stop Lights 8W/28W	
• Indicator Lamps High beam, directional light bar, neutral, low oil pressure, engine diagnostics, turn signals, security system <sup>6</sup> <i>(standard; N/A JPN)</i> , 6-speed, low fuel warnings, ABS	
WARRANTY	
Warranty	24 months <i>(unlimited mileage)</i>
Service Interval <sup>7</sup>	First <b>1600 km</b> (1000 miles), every <b>8000 km</b> (5000 miles) 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<sup>®</sup> models and Sportster<sup>®</sup> 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> Recommended 91 octane or higher fuel (R+M)/2.

<sup>3</sup> Standard and optional wheels may vary by country and region.

<sup>4</sup> Values shown are nominal. Performance may vary by country and region.

<sup>5</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>6</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

<sup>7</sup> Inspections of certain systems and components are required at 4000 km (2500 mile) intervals. See Owner's Manual for full details.



# NEW LOW RIDER<sup>®</sup>S

FXDLS  
COLORS/CALLOUTS



## SOLIDS

**NEW Vivid Black** (shown)

\* Availability of colors may vary from dealer to dealer, and is subject to change without notice.

Model shown in Domestic configuration.

