

2016 LOW RIDER® FXDL

An Original American Icon, Rediscovered



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: APC, AUS, BRZ, MEX, ENG, HDI, JPN

2016

LOW RIDER®

FXDL

MODEL OVERVIEW



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The Dyna® Low Rider® motorcycle serves up authentic '70s style made badder and bolder for the modern day. It features an innovative rider triangle with adjustable features for “perfect fit” ergonomics, and aggressive styling inspired by years of great motorcycles that proudly wear the Low Rider® badge.

NEW IN 2016

- High Output Twin Cam 103™ engine (MEX only)
- Paint color options including Custom colors

MODEL UNIQUE FEATURES

Style

- Split 5-Spoke Cast Aluminum wheels with diamond-cut highlights
- Wrinkle Black console
- Chrome-plated fender strut covers with Wrinkle Black cutouts
- Headlight eyebrow
- Wrinkle Black and chrome powertrain
- Seat features performance-inspired perforated cover and chrome seat insert
- Overall low profile
- Unique, 2-into-1 collector style exhaust
- Optional two-tone paint and bold tank graphic

Fit

- Low seat height of 660 mm
- Ergonomically tuned seat with an in-control riding position; offers additional 38.1 mm of adjustment fore and aft
- Contoured bucket seat
- Unique adjustable riser with 60.96 mm of movement fore and aft
- Optimized foot control position

MODEL UNIQUE FEATURES *(continued)*

Function

- Comfort-tuned suspension with tri-rate springs
- Dual disc brakes
- Console-mounted speedometer and tachometer
- Self-canceling turn signal controls with integrated hazard warning

Performance

- Rubber-mounted, Air-cooled, 1690 cc High Output Twin Cam 103™ engine (MEX), 1690 cc Twin Cam 103™ engine (AUS, ENG, HDI) or 1585 cc Twin Cam 96™ engine (APC, BRZ, JPN)
- 6-Speed Cruise Drive® transmission
- Electronic Sequential Port Fuel Injection (ESPFI)

AVAILABLE OPTIONS

- Two-tone paint and bold tank graphic
- Anti-lock Braking System (ABS)¹ (factory installed option – standard, JPN)
- Smart Security System² with proximity-based, hands-free security fob (factory installed option)
- Chrome, Steel-Laced wheels in select markets; standard in some markets
- Engine Idle Temperature Management Strategy (EITMS) (dealer-activated option)

¹ 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.

² North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

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MODEL SPECIFICATIONS¹



Specifications apply to all available markets unless noted.

DIMENSIONS	
Length	2345 mm (92.3 in.)
Overall Width	905 mm (35.6 in.)
Overall Height	1185 mm (46.6 in.)
Seat Height <i>(unladen)</i>	680 mm (26.8 in.)
Ground Clearance	105 mm (4.1 in.)
Rake <i>(steering head)</i>	30.5°
Fork Angle	32°
Trail	128.3 mm (5.1 in.)
Wheelbase	1630 mm (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	17.8 L (4.7 gal.)
<i>(warning light at approximately 3.4 L)</i>	
Oil Capacity <i>(w/filter)</i>	2.8 L (3 qts.)
Transmission Capacity	.95 L (1 qt.)
Primary Chain Case Capacity	.95 L (1 qt.)
Weight:	
• As Shipped 296 kg (653 lbs.), 292 kg (644 lbs.) <i>(MEX)</i>	
• In Running Order 311 kg (686 lbs.), 302 kg (666 lbs.) <i>(MEX)</i>	
• Gross Vehicle Weight Rating 492 kg (1085 lbs.)	
• Gross Axle Weight Rating:	
• Front 177 kg (390 lbs.)	
• Rear 315 kg (695 lbs.)	
ENGINE	
Engine	Air-cooled, Twin Cam 103™, Air-cooled, High Output Twin Cam 103™ <i>(MEX)</i> , Air-cooled, Twin Cam 96™ <i>(APC, BRZ, JPN)</i>
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	98.4 mm x 111.1 mm (3.87 in. x 4.374 in.) 95.3 mm x 111.1 mm (3.75 in. x 4.374 in.) <i>(APC, BRZ, JPN)</i>
Displacement	1690 cc (103.1 cu. in.) 1585 cc (96.7 cu. in.) <i>(APC, BRZ)</i> 1584 cc (96.7 cu. in.) <i>(JPN)</i>
Compression Ratio	9.6:1 9.2:1
Fuel System ²	Electronic Sequential Port Fuel Injection (ESPFI)

ENGINE <i>(continued)</i>	
Air Cleaner	Fiberglass media, washable
Lubrication System	Pressurized, dry-sump
DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/66 ratio
• JPN	Belt, 32/64 ratio
Clutch	Multi-plate, wet
Transmission	6-Speed Cruise Drive [®]
Gear Ratios <i>(overall):</i>	
• 1st	9.311 JPN 9.029
• 2nd	6.454 6.259
• 3rd	4.793 4.648
• 4th	3.882 3.764
• 5th	3.307 3.207
• 6th	2.79 2.706
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	49 mm with polished aluminum fork triple clamp and dual-rate springs
Rear Shocks	Coil-over shock
Wheels ³ <i>(Chrome Steel Laced, option):</i>	Black, Split 5-Spoke Cast Aluminum
• Front	19 in. x 2.5 in. (483 mm x 64 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 <i>(diameter x width):</i>	Patented, uniform expansion rotors (floating, front only)
• Front <i>(dual floating)</i>	300 mm x 5.1 mm (11.8 in. x 0.2 in.)
• Rear	292 mm x 5.8 mm (11.5 in. x 0.23 in.)
• Anti-lock Braking System	Standard Optional <i>(HDI, APC, AUS, BRZ, MEX, ENG)</i>
Suspension Travel:	
• Front Wheel	130 mm (5.1 in.)
• Rear Wheel	79 mm (3.1 in.)

PERFORMANCE	
Engine Torque ⁴ :	
• HDI <i>(per EEC/95/1)</i>	126 Nm (92.9 ft-lb) @ 3500 RPM
• APC <i>(per EEC/95/1)</i>	116 Nm (85.6 ft-lb) @ 3750 RPM
• BRZ <i>(per EEC/95/1)</i>	116 Nm (85.6 ft-lb) @ 3750 RPM
• MEX <i>(per J1349)</i>	138 Nm (102 ft-lb) @ 3000 RPM
• JPN <i>(per EEC/95/1)</i>	116 Nm (85.6 ft-lb) @ 3500 RPM
Lean Angle <i>(per J1168):</i>	
• Right	29.5°
• Left	30.5°
Fuel Economy ⁵ <i>(EPA urban/highway test)</i>	5.5 L/100 km (43 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	5W/21W
• Indicator Lamps	High beam, directional light bar, neutral, low oil pressure, engine diagnostics, turn signals, security system ⁶ <i>(optional; N/A JPN)</i> , 6-speed, low fuel warnings
WARRANTY	
Warranty	24 months <i>(unlimited mileage)</i>
Service Interval ⁷	First 1600 km (1000 miles), every 8000 km (5000 miles) 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 Recommended 91 octane or higher fuel (R+M)/2.

³ Standard and optional wheels may vary by country and region.

⁴ Values shown are nominal. Performance may vary by country and region.

⁵ 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.

⁶ North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

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

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COLORS/CALLOUTS



SOLIDS	PINSTRIPING
Vivid Black	Med. Red
Superior Blue	Blue
TWO-TONES	PINSTRIPING
Deep Jade Pearl/Vivid Black	Lt. Green
NEW Billet Silver/Vivid Black <i>(shown)</i>	Burgundy
CUSTOM COLORS ¹	PINSTRIPING
NEW Purple Fire/Blackberry Smoke	Proper Purple
NEW Cosmic Blue Pearl	

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

Model shown in Domestic configuration.

