

# 2008 HARLEY-DAVIDSON® SPECIFICATIONS' DYNA®



## FXDL Dyna® Low Rider®

### DIMENSIONS

|   |                               |
|---|-------------------------------|
| Length  | <b>93.10 in.</b> (2364.74 mm) |
| Overall Width   | <b>36.30 in.</b> (922.02 mm)  |
| Overall Height  | <b>47 in.</b> (1193.80 mm)    |
| Seat Height:  |                               |
| • Laden <sup>†</sup>  | <b>25.80 in.</b> (655.32 mm)  |
| • Unladen   | <b>26.80 in.</b> (680.72 mm)  |
| Ground Clearance  | <b>4.92 in.</b> (124.97 mm)   |
| Rake (steering head)  | 29°                           |
| Fork Angle  | 30.5°                         |
| Trail   | <b>4.50 in.</b> (114.30 mm)   |
| Wheelbase   | <b>64.60 in.</b> (1640.84 mm) |
| Tires (Dunlop® Harley-Davidson® Series, bias blackwall front and rear): |                               |
| • Front – D401F   | <b>100/90-19 57H</b>          |
| • Rear – K591   | <b>160/70B17 73V</b>          |
| Fuel Capacity (warning light at approximately 0.9 gal.)                 | <b>4.80 gal.</b> (18.17 L)    |
| Oil Capacity (w/filter)   | <b>3 qts.</b> (2.84 L)        |
| Transmission Capacity   | <b>1 qts.</b> (0.95 L)        |
| Primary Chain Case Capacity <sup>‡</sup>                                | <b>1 qts.</b> (0.95 L)        |
| Weight:   |                               |
| • As Shipped  | <b>641 lbs.</b> (290.75 kg)   |
| • In Running Order  | <b>672 lbs.</b> (304.81 kg)   |
| • Gross Vehicle Weight Rating   | <b>1085 lbs.</b> (492.15 kg)  |
| Gross Axle Weight Rating:   |                               |
| • Front   | <b>390 lbs.</b> (176.90 kg)   |
| • Rear  | <b>695 lbs.</b> (315.25 kg)   |

### ENGINE

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

### DRIVETRAIN

|                          |                                   |
|--------------------------|-----------------------------------|
| Primary Drive            | Chain, 34/46 ratio                |
| Final Drive <sup>‡</sup> | Belt, 32/66 ratio                 |
| Clutch                   | 9-plate, wet                      |
| Transmission             | 6-Speed Cruise Drive™             |
| Gear Ratios (overall):   | <b>U.S.</b> <b>HDI</b> <b>JPN</b> |
| 1st                      | <b>9.312</b> 9.312      9.030     |
| 2nd                      | <b>6.421</b> 6.421      6.266     |
| 3rd                      | <b>4.774</b> 4.774      4.630     |
| 4th                      | <b>3.926</b> 3.926      3.807     |
| 5th                      | <b>3.279</b> 3.279      3.179     |
| 6th                      | <b>2.790</b> 2.790      2.706     |

### CHASSIS

|   |  |
|---|--|
| Frame   | Mild steel, tubular frame; rectangular section backbone; stamped, cast, and forged junctions; forged fender supports; MIG welded |
| Swing Arm   | Mild steel, rectangular tube sections, stamped junctions; MIG welded   |
| Front Fork  | 49 mm with polished aluminum fork triple clamp and dual-rate springs   |
| Rear Shocks   | Coil-over shock  |
| Wheels <sup>‡</sup> (Chrome, Profile Laced Aluminum option):                              | Black, 10-Spoke Cast Aluminum  |
| 105 <sup>th</sup> Anniversary Wheels <sup>‡</sup> (Chrome, Profile Laced Aluminum option) | Gloss Black Painted Cast Aluminum  |
| • Front   | <b>19 in. x 2.50 in.</b> (482.60 mm x 63.50 mm)  |
| • Rear  | <b>17 in. x 4.50 in.</b> (431.80 mm x 114.30 mm)   |
| Brakes:   |  |
| • Caliper Type  | 4-piston front and 2-piston torque-free rear   |
| • Rotor Type (diameter x width):  | Patented, uniform expansion rotors (floating, front only)  |
| • Front (floating)  | <b>11.80 in. x .20 in.</b> (299.72 mm x 5.08 mm)   |
| • Rear  | <b>11.50 in. x .23 in.</b> (292.10 mm x 5.84 mm)   |
| Suspension Travel:  |  |
| • Front Wheel   | <b>5 in.</b> (127 mm)  |
| • Rear Wheel  | <b>3.10 in.</b> (78.74 mm)   |

### PERFORMANCE

|   |  |
|---|--|
| Engine Torque (per SAE J1349) <sup>‡</sup> :        |  |
| • North America                                     | <b>92 ft. lbs. @ 3000 rpm</b> (124.75 NM @ 3000 rpm) |
| Lean Angle (per SAE J1168):                         | Right: 30.5°      Left: 31°                          |
| Fuel Economy: (EPA urban/highway test) <sup>‡</sup> | <b>34/53 mpg</b> (6.92/4.44 L/100 km)                |

### ELECTRIC

|                                     |   |
|-------------------------------------|---|
| Battery                             | Sealed, maintenance-free, 12V, 19-amp/hour, 270 cca (per Battery Council International Rating)  |
| Charging                            | Three-Phase, 40-amp system (493W @ 13.5V, 2000 rpm, 540W max power @ 13.5V)   |
| 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                  | <b>8W/28W</b> (5W/21W)  |
| • Turn Signal Lights                | <b>28W</b> (21W) self-canceling   |
| • Indicator Lamps                   | High beam, directional light bar, neutral, low oil pressure, engine diagnostics, turn signals, security system <sup>10</sup> (optional), 6-speed, low fuel warnings |
| Electric Power Outlet               | Standard  |

### STYLING/CONVENIENCE

|                            |   |
|----------------------------|---|
| Engine Trim                | Black powder-coated engine with chrome treatment covers                         |
| Exhaust System             | Chrome, staggered shorty exhaust with dual mufflers                             |
| Fenders and Supports       |   |
| • Front                    | Sport fender with painted brace supports  |
| • Rear                     | Sport wrap-around fender with chrome supports                                   |
| Foot Supports and Controls |   |
| • Rider                    | Mid-mounted footpegs with brake & shift levers; highway pegs                    |
| • Passenger                | Standard footpegs   |
| Handlebar Style            | Chrome, pull-back   |
| Seat Type and Style        | One-piece, two-up Dyna™ classic   |
| Fork Lock                  | Common with ignition key  |
| Hazard Warning             | Integrated into turn signal controls  |
| Smart Security System      | Next-generation hands-free security fob; operates based on proximity to vehicle |

### COLORS<sup>‡</sup>

Vivid Black, Pacific Blue Pearl, Black Pearl, White Gold Pearl, Dark Blue Pearl (new), Candy Red Sunglo (new), Suede Blue Pearl/Vivid Black, Vivid Black/Mirage Orange Pearl (new), Copperhead Pearl/Red Hot<sup>13</sup> (new), Golden Glow/Black Glow<sup>13</sup> (new), Purple Haze<sup>13</sup> (new), Anniversary Copper Pearl/Vivid Black (new)

### WARRANTY

|                        |   |
|------------------------|---|
| Warranty <sup>11</sup> | <b>24 months</b> (unlimited mileage)  |
| Service Interval       | First <b>1,000 miles</b> (1,600 km), every <b>5,000 miles</b> (8,000 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 (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.

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

<sup>3</sup> Primary case oil fill is 32 oz. or as needed to fill to bottom of diaphragm.

<sup>4</sup> Recommended 91 octane or higher fuel (R+M)/2.

<sup>5</sup> Standard and optional fuel systems may vary by country and region.

<sup>6</sup> U.S. and HDI markets, except Japan: Belt, 32/64 ratio.

<sup>7</sup> Standard and optional wheels may vary by country and region. Standard 105th Anniversary wheel for FLHTCU, FXDL, XL1200L, FLTR and FLHX models is Gloss Black Painted Cast Aluminum.

<sup>8</sup> Values shown are nominal. Performance may vary by country and region.

<sup>9</sup> 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.

<sup>10</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

<sup>11</sup> See motorcycle owner's manual for complete details.

<sup>12</sup> Availability of colors may vary from dealer to dealer, and is subject to change without notice.

<sup>13</sup> Limited availability. See your dealer for details and available colors.