



# SOFTAIL®

## FXDR™ 114

### Model Specifications<sup>1</sup> FXDRs

DIMENSIONS	
Length	<b>95.5 in.</b> (2425 mm)
Overall Width	<b>36.4 in.</b> (925 mm)
Overall Height	<b>42.7 in.</b> (1085 mm)
Seat Height:	
• Laden <sup>2</sup>	<b>27.7 in.</b> (704 mm)
• Unladen	<b>28.3 in.</b> (720 mm)
Ground Clearance	<b>5.5 in.</b> (140 mm)
Rake (steering head)	34°
Fork Angle	34.75°
Trail	<b>4.7 in.</b> (120 mm)
Wheelbase	<b>68.3 in.</b> (1735 mm)
Tires (Michelin® Scorcher™ "11" front and rear):	
• Front	120/70ZR-19 60W
• Rear	240/40R-18 79V
Fuel Capacity	<b>4.4 gal.</b> (16.7 l) (warning light at approximately 1.4 gal.)
Oil Capacity (w/filter)	<b>5 qt.</b> (4.7 l)
Transmission Capacity	<b>1 qt.</b> (.95 l)
Primary Chain Case Capacity	<b>1.43 qt.</b> (1.35 l)
Weight:	
• As Shipped	<b>637 lb.</b> (289 kg)
• In Running Order	<b>668 lb.</b> (303 kg)
• Gross Vehicle Weight Rating	<b>1175 lb.</b> (533 kg)
• Gross Axle Weight Rating	
• Front	<b>450 lb.</b> (204 kg)
• Rear	<b>760 lb.</b> (345 kg)
ENGINE	
Engine	Milwaukee-Eight® 114
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder
Bore x Stroke	<b>4.016 in. x 4.5 in.</b> (102 mm x 114 mm)
Displacement	<b>114 cu. in.</b> (1868 cc)
Compression Ratio	10.5:1
Fuel System <sup>3</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Upswept intake with synthetic media, washable exposed element
Exhaust	2-into-1; catalyst in header
Lubrication System	Pressurized, dry-sump with oil cooler

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/66 ratio
Clutch	Mechanical, 10 plate wet, assist & conventional
Transmission	6-Speed Cruise Drive <sup>4</sup>
Gear Ratios (overall):	<b>U.S.</b>
• 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; MIG welded; high strength aluminum, tubular rear support; forged mounting points; TIG welded
Swingarm	One-piece cast aluminum
Front Forks	Single cartridge 43 mm inverted with aluminum fork triple clamps; triple rate spring
Rear Shocks	Hidden, free piston, coil-over monoshock; 43 mm stroke; toolless hydraulic preload adjustment
Wheels <sup>4</sup> :	Gloss/Satin Black, Split 5-Spoke, Cast Aluminum with laser etched graphics (front), Gloss/Satin Black, Solid Disc, Ace Cast Aluminum with laser etched graphics (rear)
• Front	<b>19 in. x 3 in.</b> (483 mm x 76 mm)
• Rear	<b>18 in. x 8 in.</b> (457 mm x 203 mm)
Brakes:	
• Caliper Type	4-piston fixed front and 2-piston floating rear
• Rotor Type (diameter x width):	Front and rear black, Split 7-spoke floating rotors
• Front (dual)	<b>11.8 in. x .2 in.</b> (300 mm x 5.1 mm)
• Rear	<b>11.5 in. x .23 in.</b> (292 mm x 5.8 mm)
• Anti-Lock Braking System	Standard
Suspension Travel:	
• Front Wheel	<b>5.1 in.</b> (130 mm)
• Rear Wheel	<b>3.4 in.</b> (86 mm)

PERFORMANCE	
Engine Torque <sup>5</sup> (per J1349):	
• North America	<b>119 ft. lb. @ 3500 rpm</b> (162 Nm @ 3500 rpm)
Lean Angle (per J1168):	
• Right	32.6°
• Left	32.8°
Fuel Economy <sup>6</sup> (Estimated City/Hwy)	<b>46 mpg</b> (5.1 l/100 km)

ELECTRIC	
Battery (per Battery Council International Rating)	Sealed, maintenance-free, absorbed glass mat (AGM) battery, 12V, 17.5Ah, 310 cca at 0°F
Charging	Three-phase, 42 amp system (390W @ 13V, 1000 rpm, 546W max power @ 13V, 2000 rpm)
Starting	1.6 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp	All LED, low beam, high beam and signature position lamp Integrated LED
• Front Signal Lights	High beam, turn signals, neutral, low oil pressure, engine diagnostics, cruise, ABS, security system <sup>7</sup> , low battery voltage, low fuel
• Indicator Lamps	Integrated LED
• Rear Turn Signals	Integrated LED
Gauges	2.14 inch viewable area LCD display with speedometer, gear, odometer, fuel level, clock, trip, range and tachometer indication
Electric Power Outlet	USB A-type; output 5V at 2.4A

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 (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> 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.