

# XL 883N IRON 883™

MODEL SPECIFICATIONS<sup>1</sup>



## DIMENSIONS

Length	<b>85.8 in.</b> (2179 mm)
Overall Width	<b>32.3 in.</b> (821 mm)
Overall Height	<b>43.6 in.</b> (1107 mm)
Seat Height:	
• Laden <sup>2</sup>	<b>25.7 in.</b> (653 mm)
• Unladen	<b>26.9 in.</b> (683 mm)
Ground Clearance	<b>3.9 in.</b> (99 mm)
Rake (steering head)	30.5°
Fork Angle	30.5°
Trail	<b>4.6 in.</b> (117 mm)
Wheelbase	<b>59.8 in.</b> (1519 mm)
Tires (Michelin® Scorcher® “31” front and rear):	
• Front – Scorcher® “31”	100/90B19 57H
• Rear – Scorcher® “31”	150/80B16 77H
Fuel Capacity	<b>3.3 gal.</b> (12.5 L)
(warning light at approximately 0.8 gal.)	
Oil Capacity (w/filter)	<b>2.8 qts.</b> (2.6 L)
Transmission Capacity	<b>1.0 qt.</b> (.95 L)
Weight:	
• As Shipped	<b>548 lbs.</b> (248.6 kg)
• In Running Order	<b>565 lbs.</b> (256.3 kg)
• Gross Vehicle Weight Rating	<b>1000 lbs.</b> (453.6 kg)
• Gross Axle Weight Rating	
• Front	<b>335 lbs.</b> (152.0 kg)
• Rear	<b>665 lbs.</b> (301.6 kg)

## ENGINE

Engine	Air-cooled, Evolution®
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two-valves per cylinder
Bore x Stroke	<b>3 in. x 3.812 in.</b> (76.2 mm x 96.8 mm)
Displacement	<b>53.9 cu. in.</b> (883 cc)
Compression Ratio	8.9:1
Fuel System <sup>3</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper cartridge type
Lubrication System	Dry-sump

## DRIVETRAIN

Primary Drive	Chain, 57/34 ratio
Final Drive	Belt, 68/29 ratio
Clutch	Multi-plate, wet
Transmission	5-speed
Gear Ratios (overall):	<b>U.S.</b>
• 1st	<b>10.407</b>
• 2nd	<b>7.436</b>
• 3rd	<b>5.53</b>
• 4th	<b>4.583</b>
• 5th	<b>3.93</b>

## CHASSIS

Frame	Mild steel, tubular frame; circular sections; cast junctions
Swingarm	Mild steel, rectangular tube section, stamped junctions; MIG welded
Front Forks	39 mm
Rear Shocks	Coil-over; preload dual-adjustable
Wheels <sup>4</sup> :	Black 13-Spoke Cast Aluminum
• Front	<b>19 in. x 2.15 in.</b> (482.6 mm x 54.61 mm)
• Rear	<b>16 in. x 3 in.</b> (406.4 mm x 76.2 mm)
Brakes:	
• Caliper Type	Dual-piston front, single-piston rear
• Rotor Type (diameter x width):	Patented, uniform expansion rotors
• Front	<b>11.5 in. x .2 in.</b> (292.1 mm x 5.1 mm)
• Rear	<b>10.24 in. x .28 in.</b> (260.1 mm x 7.1 mm)
Suspension Travel:	
• Front Wheel	<b>3.62 in.</b> (92 mm)
• Rear Wheel	<b>1.63 in.</b> (41 mm)

## PERFORMANCE

Engine Torque <sup>5</sup> (per J1349):	
• North America	<b>55 ft. lbs. @ 3500 RPM</b> (75 Nm @ 3500 RPM)
Lean Angle (per J1168):	
• Right	29°
• Left	30°
Fuel Economy <sup>6</sup> (EPA urban/highway test)	<b>51 mpg</b> (4.6 L/100 km)

## ELECTRIC

Battery (per Battery Council International Rating)	Sealed lead acid, maintenance-free, 12V, 12 amp/hour, 200 cca
Charging	Single-phase, 30-amp system (375W @ 13.5V, 2000 RPM, 405W 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
• Turn Signal Lights	28W self-canceling
• Rear Tail/Stop/Turn Signal Lights	8W/28W per lamp
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, low fuel warning, low battery, security system <sup>7</sup> (optional)

## 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 2500 mile (4000 km) intervals. See Owner's Manual for full details.