



# SPORTSTER®

# IRON 883™ Model Specifications<sup>1</sup> XL 883N

## DIMENSIONS

Length	<b>86 in.</b> (2185 mm)
Overall Width	<b>32.1 in.</b> (815 mm)
Overall Height	<b>44.9 in.</b> (1140 mm)
Seat Height:	
• Laden <sup>2</sup>	<b>25.7 in.</b> (653 mm)
• Unladen	<b>29.9 in.</b> (760 mm)
Ground Clearance	<b>5.5 in.</b> (140 mm)
Rake (steering head)	30°
Fork Angle	30°
Trail	<b>4.6 in.</b> (117 mm)
Wheelbase	<b>59.6 in.</b> (1515 mm)
Tires (Michelin® Scorcher® "31" front and rear):	
• Front	100/90B19 57H
• Rear	150/80B16 77H
Fuel Capacity	<b>3.3 gal.</b> (12.5 l) <i>(warning light at approximately .8 gal.)</i>
Oil Capacity (w/filter)	<b>2.8 qt.</b> (2.6 l)
Transmission Capacity	<b>1 qt.</b> (.95 l)
Weight:	
• As Shipped	<b>545 lb.</b> (247 kg)
• In Running Order	<b>564 lb.</b> (256 kg)
• Gross Vehicle Weight Rating	<b>1000 lb.</b> (454 kg)
• Gross Axle Weight Rating	
• Front	<b>335 lb.</b> (152 kg)
• Rear	<b>665 lb.</b> (302 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 3.81 in.</b> (76.2 mm x 96.8 mm)
Displacement	<b>53.9 cu. in.</b> (883 cc)
Compression Ratio	9:1
Fuel System <sup>3</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper cartridge type
Exhaust	Black exhaust headers and black mufflers
Lubrication System	Dry-sump

## DRIVETRAIN

Primary Drive	Chain, 34/57 ratio
Final Drive	Belt, 29/68 ratio
Clutch	Multi-plate, wet
Transmission	5-Speed
Gear Ratios (overall):	<b>U.S.</b>
• 1st	<b>10.41</b>
• 2nd	<b>7.436</b>
• 3rd	<b>5.531</b>
• 4th	<b>4.584</b>
• 5th	<b>3.931</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 9 Spoke with Machined Highlights
• Front	<b>19 in. x 2.15 in.</b> (483 mm x 55 mm)
• Rear	<b>16 in. x 3 in.</b> (406 mm x 76 mm)
Brakes:	
• Caliper Type	Dual-piston front, Dual-piston rear
• Rotor Type (diameter x width):	Solid, uniform expansion
• Front (floating)	<b>11.8 in. x .2 in.</b> (300 mm x 5 mm)
• Rear	<b>10.24 in. x .28 in.</b> (260 mm x 7.1 mm)
• Anti-Lock Braking System	Optional

Suspension Travel:	
• Front Wheel	<b>3.6 in.</b> (92 mm)
• Rear Wheel	<b>1.6 in.</b> (41 mm)

## PERFORMANCE

Engine Torque <sup>5</sup> (per J1349):	
• North America	<b>53.8 ft. lb. @ 3750 rpm</b> (73 Nm @ 3750 rpm)
Lean Angle (per J1168):	
• Right	27°
• Left	28°
Fuel Economy <sup>6</sup> (Estimated City/Hwy)	<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 <i>(375W @ 13.5V, 2000 rpm, 405W max power @ 13.5V)</i>
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
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, low fuel warning, low battery, security system <sup>7</sup> (if equipped), ABS (if equipped)
Gauges	Handlebar-mounted electronic speedometer with odometer, time-of-day clock, dual tripmeter, low fuel warning light, low oil pressure light, engine diagnostics readout, LED indicator lights
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 the vehicle 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 change or discontinue other available models, without notice and without incurring any obligation. Vehicles in the configurations shown and many of the accessories described may not be available for sale or use in some locations. Please check with your dealer for complete product details and the latest information regarding available models and accessories. All models feature 6-speed transmission (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.