



SPORTSTER®

FORTY-EIGHT® Model Specifications¹ XL 1200X

DIMENSIONS	
Length	85.2 in. (2165 mm)
Overall Width	32.9 in. (835 mm)
Overall Height	43.3 in. (1100 mm)
Seat Height:	
• Laden ²	26.2 in. (665 mm)
• Unladen	28 in. (710 mm)
Ground Clearance	4.3 in. (110 mm)
Rake (steering head)	30.2°
Fork Angle	28.7°
Trail	5.3 in. (135 mm)
Wheelbase	58.9 in. (1495 mm)
Tires (Michelin® Scorcher® "31" front and rear):	
• Front	130/90B16 73H
• Rear	150/80B16 77H
Fuel Capacity (warning light at approximately .65 gal.)	2.1 gal. (7.9 l)
Oil Capacity (w/filter)	2.8 qt. (2.6 l)
Transmission Capacity	1 qt. (1 l)
Weight:	
• As Shipped	545 lb. (247 kg)
• In Running Order	556 lb. (252 kg)
• Gross Vehicle Weight Rating	1000 lb. (454 kg)
• Gross Axle Weight Rating	
• Front	335 lb. (152 kg)
• Rear	665 lb. (302 kg)
ENGINE	
Engine	Air-cooled, Evolution®
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	3.5 in. x 3.8 in. (88.9 mm x 96.8 mm)
Displacement	73.4 cu. in. (1202 cc)
Compression Ratio	10:1
Fuel System ³	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper cartridge type
Exhaust	Black, staggered exhaust with slash-cut mufflers
Lubrication System	Dry-sump

DRIVETRAIN	
Primary Drive	Chain, 38/57 ratio
Final Drive	Belt, 29/68 ratio
Clutch	Multi-plate, wet
Transmission	5-Speed
Gear Ratios (overall):	U.S.
• 1st	9.315
• 2nd	6.653
• 3rd	4.948
• 4th	4.102
• 5th	3.517

CHASSIS	
Frame	Mild steel, tubular frame; circular sections; cast junctions
Swingarm	Mild steel, rectangular tube section, stamped junctions; MIG welded
Front Forks	49 mm fork set, free valve right hand and cartridge style left hand
Rear Shocks	Variable rate spring over 36 mm piston nitrogen gas-charged emulsion style shock with thread style preload adjustment
Wheels ⁴ :	Black, Split 9-Spoke Cast Aluminum w/ Machined Highlights
• Front	16 in. x 3 in. (406 mm x 76 mm)
• Rear	16 in. x 3 in. (406 mm x 76 mm)

Brakes:	
• Caliper Type	Dual-piston front, Dual-piston rear
• Rotor Type (diameter x width):	Front floating, Rear uniform expansion
• Front	11.8 in. x .2 in. (300 mm x 5 mm)
• Rear	10.24 in. x .28 in. (260 mm x 7.1 mm)
• Anti-Lock Braking System	Optional
Suspension Travel:	
• Front Wheel	3.6 in. (91 mm)
• Rear Wheel	1.6 in. (41 mm)

PERFORMANCE	
Engine Torque ⁵ (per J1349):	
• North America	73 ft. lb. @ 3500 rpm (99 Nm @ 3500 rpm)
Lean Angle (per J1168):	
• Right	27.1°
• Left	27.1°
Fuel Economy ⁶ (Estimated City/Hwy)	48 mpg (4.9 l/100 km)

ELECTRIC	
Battery (per Battery Council International Rating)	Sealed, 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
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, low fuel warning, low battery, security system ⁷ (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	
Warranty ⁸	24 months (unlimited mileage)
Service Interval ⁹	First 1000 miles (1600 km), every 5000 miles (8000 km) 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 (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.

² Measurement reflects 180 lb. (81.7 kg) operator weight.

³ Recommended 91 octane or higher fuel (R+M)/2.

⁴ Standard and optional wheels may vary by country and region.

⁵ Values shown are nominal. Performance may vary by country and region.

⁶ 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.

⁷ North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

⁸ See motorcycle Owner's Manual for complete details.

⁹ Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner's Manual for full details.