



# SPORTSTER®

# ROADSTER™ Model Specifications<sup>1</sup> XL 1200CX

DIMENSIONS	
Length	86 in. (2185 mm)
Overall Width	33.9 in. (860 mm)
Overall Height	42.5 in. (1080 mm)
Seat Height:	
• Laden <sup>2</sup>	29.5 in. (749 mm)
• Unladen	30.9 in. (785 mm)
Ground Clearance	5.9 in. (150 mm)
Rake (steering head)	28.9°
Fork Angle	27.4°
Trail	5.5 in. (140 mm)
Wheelbase	59.3 in. (1505 mm)
Tires (Dunlop® Harley-Davidson® Series, radial blackwall front and rear):	
• Front	120/70R19 M/C
• Rear	150/70R18 M/C
Fuel Capacity	3.3 gal. (12.5 l) <i>(warning light at approximately .8 gal.)</i>
Oil Capacity (w/filter)	2.8 qt. (2.6 l)
Transmission Capacity	1 qt. (.95 l)
Weight:	
• As Shipped	551 lb. (250 kg)
• In Running Order	571 lb. (259 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 <sup>3</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper cartridge type
Exhaust	Shorty-dual exhaust with chrome tapered mufflers with laser cut black heat shields
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	43 mm inverted
Rear Shocks	Variable rate spring over 36 mm piston nitrogen gas-charged emulsion style shock with thread style preload adjustment
Wheels <sup>4</sup> :	Black Offset, Split 5-Spoke Cast Aluminum
• Front	19 in. x 3 in. (483 mm x 76 mm)
• Rear	18 in. x 4.3 in. (457 mm x 109 mm)
Brakes:	
• Caliper Type	Dual-piston front, Dual-piston rear
• Rotor Type (diameter x width):	Dual floating rotors (front), Rear uniform expansion rotor
• Front (dual)	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	4.5 in. (114 mm)
• Rear Wheel	3.2 in. (81 mm)
PERFORMANCE	
Engine Torque <sup>5</sup> (per J1349):	
• North America	76 ft. lb. @ 3750 rpm (103 Nm @ 3750 rpm)
Lean Angle (per J1168):	
• Right	30.8°
• Left	31.1°
Fuel Economy <sup>6</sup> (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 <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	Dual Gauge – 4-inch Digital Speedometer/Analog Tachometer
WARRANTY	
Warranty <sup>8</sup>	24 months (unlimited mileage)
Service Interval <sup>9</sup>	First 1000 miles (1600 km), every 5000 miles (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.