



Make every day count

2008 Specifications¹ XL 1200R Sportster® 1200 Roadster

Dimensions

Length (mm).....	2245
Seat Height (mm) ²	714
Ground Clearance (mm).....	142
Rake at steering head (°) / Trail (mm).....	30 / 117
Fork Angle.....	30°
Wheelbase (mm).....	1520
Fuel Capacity (litres).....	17
Oil Capacity w/filter (litres).....	3.4
Dry Weight (kg).....	251

Powertrain

Engine ³	Air-cooled, Evolution™
Displacement (cu.cm).....	1200
Bore x Stroke (mm).....	88.9 x 96.8
Fuel System.....	Electronic Sequential Port Fuel Injection (ESPFI)
Compression Ratio.....	9.7:1
Exhaust System.....	Chrome, staggered shorty exhaust with dual mufflers

Wheels/Tyres

Tyres:	
Front.....	D401F 100/90-19 57H
Rear.....	D401 150/80B16 71H
Wheels ⁴ :	
Front.....	19" Chrome, steel laced
Rear.....	16" Chrome, steel laced

Drivetrain

Primary Drive.....	Chain, 38/57 ratio
Final Drive.....	Belt, 30/68 ratio
Clutch.....	9-plate, wet
Transmission.....	5-speed
Gear Ratios:	
1st.....	9.02
2nd.....	6.44
3rd.....	4.80
4th.....	3.98
5th.....	3.41

Chassis

Brakes, Dia (Front/Rear, mm).....	292 dual / 292
Caliper Type.....	Dual-piston front, single-piston rear
Front Fork.....	39mm
Rear Shocks.....	Coil-over; preload dual-adjustable
Suspension Travel:	
Front (mm).....	141
Rear (mm).....	104
Frame.....	Mild steel tubular frame; circular sections; cast junctions
Swingarm.....	Mild steel, rectangular tube sections, stamped junctions; MIG welded

Performance

Engine Torque (EU Standard EC95/1) ⁵	98 Nm / 72 ft lbs @ 3200 rpm
Lean Angle per SAE J1168 (Degrees Left/Right).....	32 / 32

Electrical

Charging.....	Single-phase, 30-amp system
.....	(357W @ 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
Tail/Stop Lights.....	5W/21W
Turn Signal Lights.....	21W self-canceling
Instruments.....	Handlebars-mounted electronic speedometer with odometer;
.....	Time-of-day clock; Dual resettable tripmeter
Indicator Lamps.....	High beam, neutral, low oil pressure, turn signals,
.....	engine diagnostics, low fuel warnings, security system ⁶

Colour Options⁷

Pacific Blue Pearl; Vivid Black; Black Pearl; Crimson Red Sunglo

Model Features

Black powder-coated engine with black treatment covers; Chrome headlamp visor; Chrome riser; Mid-mounted rider footpegs; Standard passenger footpegs; Stainless steel, wide, dirt-track inspired handlebars; One-piece, two-up Sportster® classic seat

Warranty

Warranty ⁸	24 months (unlimited mileage)
Service Interval ⁹	First 1,000 miles (1,600 km),
.....	every 5,000 miles (8,000 km) thereafter

Footnotes

1. Harley-Davidson reserves the right to discontinue models or change specifications at any time without incurring any obligations. Vehicle specifications may vary by country and region depending on local laws. Some models are not available in certain countries.
2. Measurement reflects 81.7 kg operator weight.
3. Recommended 95 octane or higher fuel (R+M)/2. Standard and optional fuel systems may vary by country and region.
4. Standard and optional wheels may vary by country and region.
5. Values shown are nominal. Performance may vary by country and region.
6. Security system includes immobiliser and siren.
7. Availability of colours may vary from dealer to dealer and is subject to change without further notice.
8. See motorcycle owner's manual for complete details.
9. Inspections of certain systems and components are required at 1,000 mile (1,600 km) intervals.