



# 2021 XL 1200X FORTY-EIGHT®

## DIMENSIONS

Notes

Length	85.2 in. (2,165 mm)	
Overall Width	32.9 in. (835 mm)	
Overall Height	43.3 in. (1,100 mm)	
Seat Height, Laden	26.2 in. (665 mm)	2
Seat Height, Unladen	28 in. (710 mm)	
Ground Clearance	4.3 in. (110 mm)	
Rake (steering head) (deg)	30.2	
Fork Angle (deg)	28.7	
Trail	5.3 in. (135 mm)	
Wheelbase	58.9 in. (1,495 mm)	
Tires, Type	Michelin® Scorcher® "31" front and rear	
Tires, Front Model	Scorcher® "31"	
Tires, Front Specification	130/90B16 73H	
Tires, Rear Model	Scorcher® "31"	
Tires, Rear Specification	150/80B16 77H	
Fuel Capacity	2.1 gal. (7.9 l)	
Reserve Fuel Capacity, Fuel Injection (warning light)	0.65 gal. (2.5 l)	
Oil Capacity (w/filter)	2.8 qt. (2.6 l)	
Transmission Capacity	1 qt. (1 l)	
Primary Chain Case Capacity	N/A	
Coolant Capacity	N/A	
Weight, As Shipped	545 lb. (247 kg)	
Weight, In Running Order	556 lb. (252 kg)	
Gross Vehicle Weight Rating	1,000 lb. (454 kg)	
Gross Axle Weight Rating, Front	335 lb. (152 kg)	
Gross Axle Weight Rating, Rear	665 lb. (302 kg)	
Luggage Capacity -Volume	N/A	

## ENGINE

Engine	Air-cooled, Evolution®
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore	3.5 in. (88.9 mm)
Stroke	3.8 in. (96.8 mm)

Displacement	73.4 cu in (1,202 cc)	
Compression Ratio	0.417361111	
Fuel System	Electronic Sequential Port Fuel Injection (ESPFI)	3
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) 1st	9.315	
Gear Ratios (overall) 2nd	6.653	
Gear Ratios (overall) 3rd	4.948	
Gear Ratios (overall) 4th	4.102	
Gear Ratios (overall) 5th	3.517	
Gear Ratios (overall) 6th	N/A	

## CHASSIS

Frame	Mild steel, tubular frame; circular sections; cast junctions	
Swingarm	Mild steel, rectangular tube section, stamped junctions; MIG welded	
Front Fork	49 mm fork set, free valve right hand and cartridge style left hand	
Rear Shocks	Variable rate spring over 36mm piston nitrogen gas-charged emulsion style shock with thread style preload adjustment	
Wheels, Front Type	Black, Split 9-Spoke Cast Aluminum w/ Machined Highlights	4
Wheels, Front Width	3 in. (76 mm)	
Wheels, Front Height	16 in. (406 mm)	
Wheels, Rear Type	Black, Split 9-Spoke Cast Aluminum w/ Machined Highlights	4
Wheels, Rear Width	3 in. (76 mm)	
Wheels, Rear Height	16 in. (406 mm)	
Brakes, Caliper Type	Dual-piston front, Dual-piston rear	
Brakes, Rotor Type	Front floating, Rear uniform expansion rotor	
Brakes, Front Diameter	11.8 in. (300 mm)	
Brakes, Front Thickness	0.2 in. (5 mm)	
Brakes, Front is dual	No	
Brakes, Rear Diameter	10.24 in. (260 mm)	
Brakes, Rear Thickness	0.28 in. (7.1 mm)	
Brakes, Anti-Lock Braking System (ABS)	Optional	
Suspension Travel, Front	3.6 in. (91 mm)	
Suspension Travel, Rear	1.6 in. (41 mm)	

## PERFORMANCE

Engine Torque Testing Method	J1349
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Engine Torque	73 ft-lb (99 Nm)	5
Engine Torque (rpm)	3,500	
Lean Angle Testing Method	J1168	
Lean Angle, Right (deg.)	27	
Lean Angle, Left (deg.)	27	
Fuel Economy Testing Method	Estimated City/Hwy	
Fuel Economy	48 mpg (4.9 l/100 km)	6

## ELECTRIC

Battery	Sealed, maintenance-free, 12V, 12 amp/hour, 200 cca (per Battery Council International Rating)	
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	
Lights (as per country regulation), Tail/Stop	Incandescent	
Lights (as per country regulation), Front Signal Lights	Incandescent bullet turn signals	
Lights (as per country regulation), Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, low fuel warning, low battery, security system (if equipped), ABS (if equipped)	7
Lights, Rear Turn Signals	Incandescent bullet turn signals	
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	
Auxiliary Lamps	N/A	
Electric Power Outlet	N/A	
GPS System	N/A	
Reverse Gear	N/A	

## WARRANTY AND SERVICE

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

## FOOTNOTES

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.