

# XL 1200N NIGHTSTER<sup>®</sup> MODEL SPECIFICATIONS<sup>1</sup>»



## DIMENSIONS

Length	<b>85.80 in.</b> (2179.32 mm)
Overall Width	<b>36.40 in.</b> (924.56 mm)
Overall Height	<b>43.60 in.</b> (1107.44 mm)
Seat Height:	
• Laden <sup>2</sup>	<b>25.30 in.</b> (642.62 mm)
• Unladen	<b>26.30 in.</b> (668.02 mm)
Ground Clearance	<b>3.90 in.</b> (99.06 mm)
Rake (steering head)	29.6°
Fork Angle	29.6°
Trail	<b>4.60 in.</b> (116.84 mm)
Wheelbase	<b>60.0 in.</b> (1524.0 mm)
Tires (Dunlop <sup>®</sup> Harley-Davidson Series, blackwall):	
• Front – D401F	100/90-19 57H
• Rear – D401	150/80B16 71H
Fuel Capacity	<b>3.30 gal.</b> (12.49 L) (warning light at approximately 0.80 gal.)
Oil Capacity (w/filter)	<b>2.80 qts.</b> (2.65 L)
Transmission Capacity	<b>1 qts.</b> (0.95 L)
Weight:	
• As Shipped	<b>545 lbs.</b> (247.21 kg)
• In Running Order	<b>562 lbs.</b> (254.92 kg)
• Gross Vehicle Weight Rating	<b>1000 lbs.</b> (453.60 kg)
• Gross Axle Weight Rating	
• Front	<b>335 lbs.</b> (151.96 kg)
• Rear	<b>665 lbs.</b> (301.64 kg)

## ENGINE

Engine <sup>3</sup>	Air-cooled, Evolution <sup>®</sup>
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	<b>3.50 in. x 3.81 in.</b> (88.90 mm x 96.82 mm)
Displacement <sup>3</sup>	<b>73.30 cu. in.</b> (1200 cc)
Compression Ratio	9.7:1
Fuel System <sup>4</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper cartridge type
Lubrication System	Dry-sump

## DRIVETRAIN

Primary Drive	Chain, 57/38 ratio
Final Drive	Belt, 68/29 ratio
Clutch	Multi-plate, wet
Transmission	5-speed
Gear Ratios (overall):	<b>U.S.</b>
• 1st	<b>9.315</b>
• 2nd	<b>6.653</b>
• 3rd	<b>4.948</b>
• 4th	<b>4.102</b>
• 5th	<b>3.517</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:	Black, Laced Steel
• Front	<b>19 in. x 2.50 in.</b> (482.60 mm x 63.50 mm)
• Rear	<b>16 in. x 3 in.</b> (406.40 mm x 76.20 mm)
Brakes:	
• Caliper Type	Dual-piston front, single-piston rear
• Rotor Type	Patented, uniform expansion rotors (diameter x width):
• Front	<b>11.50 in. x .20 in.</b> (292.10 mm x 5.08 mm)
• Rear	<b>11.50 in. x .23 in.</b> (292.10 mm x 5.84 mm)

### Suspension Travel:

• Front Wheel	<b>3.62 in.</b> (91.95 mm)
• Rear Wheel	<b>1.63 in.</b> (41.40 mm)

## PERFORMANCE

Engine Torque <sup>5</sup> (per SAE J1349):	
• North America	<b>79 ft. lbs. @ 4000 rpm</b> (107.11 Nm @ 4000 rpm)
Lean Angle (per SAE J1168):	
• Right	29°
• Left	30°
Fuel Economy <sup>7</sup> (EPA urban/highway test)	<b>42/57 mpg</b> (5.60/4.13 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 (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	<b>8W/28W</b> per lamp
• Turn Signal Lights	<b>28W</b> self-canceling
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, low fuel warning, low battery, security system <sup>8</sup> (optional)

## WARRANTY

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

<sup>1</sup> 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<sup>™</sup> models and Sportster<sup>®</sup> 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 fuel systems may vary by country and region.

<sup>5</sup> Standard and optional wheels may vary by country and region.

<sup>6</sup> Values shown are nominal. Performance may vary by country and region.

<sup>7</sup> Estimated from fuel economy tests on a sample motorcycle from the corresponding family conducted by Harley-Davidson under ideal laboratory conditions. Not all motorcycle models undergo fuel economy testing. Fuel economy and mileage may vary among motorcycle models within a family. Your mileage may vary depending on your personal riding habits, weather conditions, trip length, vehicle condition and vehicle configuration and other conditions. Break-in mileage may vary.

<sup>8</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

<sup>9</sup> See motorcycle owner's manual for complete details.