

XL 1200N NIGHTSTER® MODEL SPECIFICATIONS¹



DIMENSIONS	
Length	85.8 in. (2179 mm)
Overall Width	36.4 in. (925 mm)
Overall Height	43.6 in. (1107 mm)
Seat Height:	
• Laden²	25.7 in. (653 mm)
• Unladen	26.9 in. (683 mm)
Ground Clearance	3.9 in. (99 mm)
Rake (steering head)	30.4°
Fork Angle	30.4°
Trail	4.6 in. (117 mm)
Wheelbase	59.8 in. (1519 mm)
Tires (Dunlop® Harley-Davidson Series, blackwall):	
• Front – D401F	100/90-19 57H
• Rear – D401	150/80B16 71H
Fuel Capacity	3.3 gal. (12.5 L)
(warning light at approximately 0.8 gal.)	
Oil Capacity (w/filter)	2.8 qts. (2.6 L)
Transmission Capacity	1.0 qts.
Weight:	
• As Shipped	545 lbs. (247.2 kg)
• In Running Order	562 lbs. (254.9 kg)
• Gross Vehicle Weight Rating	1000 lbs. (453.6 kg)
• Gross Axle Weight Rating	
• Front	335 lbs. (152.0 kg)
• Rear	665 lbs. (301.6 kg)
ENGINE	
Engine³	Air-cooled, Evolution®
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	3.5 in. x 3.812 in. (88.9 mm x 96.8 mm)
Displacement	73.3 cu. in. (1200 cc)
Compression Ratio	9.7:1
Fuel System³	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):	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	39 mm
Rear Shocks	Coil-over; preload dual-adjustable
Wheels⁴:	Black, Laced Steel
• Front	19 in. x 2.5 in. (483 mm x 64 mm)
• Rear	16 in. x 3 in. (406 mm x 76 mm)
Brakes:	
• Caliper Type	Dual-piston front, single-piston rear
• Rotor Type	Patented, uniform expansion rotors
(diameter x width):	
• Front	11.5 in. x .2 in. (292 mm x 5 mm)
• Rear	10.24 in. x .28 in. (260 mm x 7 mm)
Suspension Travel:	
• Front Wheel	3.62 in. (92 mm)
• Rear Wheel	1.63 in. (41 mm)

PERFORMANCE	
Engine Torque⁵ (per SAE J1349):	
• North America	79 ft. lbs. @ 4000 RPM (107 Nm @ 4000 RPM)
Lean Angle:	
• Right	29°
• Left	30°
Fuel Economy⁶ (EPA urban/highway test)	42/57 mpg (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	8W/28W per lamp
• Turn Signal Lights	28W self-canceling
• Rear Tail/Stop/Turn Signal Lights	8W/28W per lamp
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, low fuel warning, low battery, security system⁷ (optional)
WARRANTY	
Warranty⁸	24 months (unlimited mileage)
Service Interval	First 1,000 miles (1,600 km), every 5,000 miles (8,000 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 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.

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.