

CVO™ LIMITED

MODEL SPECIFICATIONS¹

DIMENSIONS	
Length	102.4 in. (2600 mm)
Overall Width	42.9 in. (1090 mm)
Overall Height	56.7 in. (1440 mm)
Seat Height:	
• Laden ²	28.4 in. (720 mm)
• Unladen	29.1 in. (740 mm)
Ground Clearance	5.3 in. (135 mm)
Rake (steering head)	26°
Fork Angle	29.25°
Trail	6.7 in. (170 mm)
Wheelbase	64 in. (1625 mm)
Tires (Dunlop® Harley-Davidson® Series, bias blackwall front and rear):	
• Front – D408F	BW 130/80B17 65H
• Rear – D407T	BW 180/65B16 81H
Fuel Capacity	6 gal. (22.7 L) <i>(warning light at approximately 1.0 gal.)</i>
Oil Capacity (w/filter)	4 qts. (3.8 L)
Transmission Capacity	1 qt. (.95 L)
Primary Chain Case Capacity	1.4 qt. (1.3 L)
Coolant Capacity	1.1 qt. (1.04 L)
Weight:	
• As Shipped	909 lbs. (412 kg)
• In Running Order	944 lbs. (428 kg)
• Gross Vehicle Weight Rating	1360 lbs. (617 kg)
• Gross Axle Weight Rating:	
• Front	500 lbs. (227 kg)
• Rear	927 lbs. (420 kg)
Luggage Capacity -Volume	4.7 cu. ft. (0.132 m ³)
ENGINE	
Engine	Twin-Cooled™ Twin Cam 110™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	4 in. x 4.374 in. (101.6 mm x 111.1 mm)
Displacement	110 cu. in. (1801 cc)
Compression Ratio	9.2:1
Fuel System ³	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Ventilator intake with chrome cover, fiberglass media, washable exposed element with rain sock
Lubrication System	Pressurized, dry-sump

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/68 ratio
Clutch	Hydraulically actuated multi-plate, wet Assist & Slip
Transmission	6-speed Cruise Drive®
Gear Ratios (overall):	U.S.
• 1st	9.593
• 2nd	6.65
• 3rd	4.938
• 4th	4
• 5th	3.407
• 6th	2.875
CHASSIS	
Frame	Mild steel; tubular frame; two-piece stamped and welded backbone; cast and forged junctions; twin downtubes; bolt-on rear frame with forged fender supports; MIG welded
Swingarm	Mild steel; two-piece drawn and welded section; forged junctions; MIG welded
Front Forks	49 mm telescopic, triple-circuit damping
Rear Shocks	Air-adjustable full travel air ride rear suspension
Wheels ⁴ :	Mirror Chrome Chisel Custom
• Front	17 in. x 3 in. (432 mm x 76 mm)
• Rear	16 in. x 5 in. (406 mm x 127 mm)
Brakes:	
• Caliper Type	32 mm, 4-piston fixed front and rear
• Rotor Type (diameter x width):	Dual floating rotors (front), fixed rotor (rear)
• Front (dual)	11.81 in. x .2 in. (300 mm x 5.1 mm)
• Rear	11.81 in. x .28 in. (300 mm x 7.1 mm)
• Anti-lock Braking System	Standard
Suspension Travel:	
• Front Wheel	4.6 in. (117 mm)
• Rear Wheel	3 in. (76 mm)
PERFORMANCE	
Engine Torque ⁵ (per J1349):	
• North America	115.1 ft. lbs. @ 3750 RPM (156 Nm @ 3750 RPM)
Lean Angle (per J1168):	
• Right	31.9°
• Left	31.8°
Fuel Economy ⁶ (EPA urban/highway test)	41 mpg (5.7 L/100 km)

ELECTRIC	
Battery (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 28-amp/hour, 405 cca
Charging	Three-phase, 53-amp system (617W @ 13V, 2000 RPM, 690W max power @ 13V)
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp: LED 34-watt, 916 lumen low beam, 37-watt, 917 lumen high beam with switchable 20-watt, 1,220 lumen LED fog lamps. Total of 2,136 lumen output at low beam with fog lights.	
• Tail/Stop Lights	LED
• Turn Signal Lights	TourPak® mounted LED and 28W self-canceling
• Rear Tail/Stop/Turn Signal Lights	TourPak® mounted LED stop/turn/tail light bar
• Front Signal Lights	8W/28W
• Indicator Lamps: High beam, running lights, front fender running lights, directional lights, neutral, low oil pressure, engine diagnostics, accessory, speakers, turn signals, security system ⁷ (optional), gear indication, battery, low fuel warning, cruise control (optional), ABS (optional), miles to empty display, fog/aux lamp indicator	
• Auxiliary Lamps (except where prohibited by law)	Two LED @ 20W each
Electric Power Outlet	Electric power accessory port in fairing and TourPak®
GPS System	New Boom!™ Box 6.5GT audio system with GPS and touchscreen
WARRANTY	
Warranty ⁸	24 months (unlimited mileage)
Service Interval ⁹	First 1000 miles (1600 km), every 5000 miles (8000 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 (V-Rod® 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.