



2007 Harley-Davidson® CVO Family: Specifications ¹

	FLHRSE ³ Screamin' Eagle® Road King® 8	FLHTCUSE ² Screamin' Eagle® Ultra Classic® Electra Glide® ⁸	FXSTSSE Screamin' Eagle® Softail® Springer® ⁸
Dimensions			
Length (mm)	2376	2470	2400
Overall Height (mm)	1333	1450	1140
Seat Height - laden (mm) ²	667	713	627
Ground Clearance (mm)	140	152	137
Rake (steering head)	26°	26°	32°
Fork Angle	29°	29°	28°
Trail (mm)	157.5	157.5	134.6
Wheelbase (mm)	1599	1620	1661
Fuel Capacity (litres)	18.9	18.9	18.9
Oil Capacity w/filter (litres)	3.8	3.8	2.9
Dry Weight (kg)	342	380	315
Engine			
Engine ³	Air-cooled, Twin Cam 110™	Air-cooled, Twin Cam 110™	Air-cooled, Twin Cam 110B™
Displacement (cu. cm)	1800	1800	1800
Bore x Stroke	101.6 mm x 111.1 mm	101.6 mm x 111.1 mm	101.6 mm x 111.1 mm
Compression Ratio	9.3:1	9.3:1	9.3:1
Fuel System	Electronic Sequential Port Fuel Injection (ESPFI)	Electronic Sequential Port Fuel Injection (ESPFI)	Electronic Sequential Port Fuel Injection (ESPFI)
Exhaust System	Chrome, Touring cross-over duals with chrome billet end caps and chrome touring muffler shields	Chrome, Touring cross-over duals with chrome billet end caps and chrome touring muffler shields	Chrome, shotgun, slash down mufflers with chrome heat shields
Wheels/Tyres			
Tyres:			
Type	Dunlop® Harley-Davidson Series, radial blackwall front and rear	Dunlop® Harley-Davidson Series, bias blackwall front and rear	Dunlop® Harley-Davidson Series, bias blackwall front and radial blackwall rear
Front	D407F 130/70R18 63H	D402F NW MT90B16 72H	D402F MH90-21 54H
Rear	D407 170/60R17 78H	D402 NW MU85B16 77H	D407 200/55R17 78V
Wheels ⁴			
Front	Chrome, Road Winder™ forged aluminium	Chrome, 9-spoke cast aluminium	Chrome, 10-spoke forged aluminium
	18 in. x 3.5 in.	16 in. x 3 in.	21 in. x 2.15 in.
Rear	Chrome, Road Winder™ forged aluminium	Chrome, 9-spoke cast aluminium	Chrome, 10-spoke forged aluminium
	17 in. x 4.5 in.	16 in. x 3 in.	17 in. x 6 in.
Drivetrain			
Primary Drive	Chain, 34/46 ratio	Chain, 34/46 ratio	Chain, 34/46 ratio
Final Drive	Belt, 32/66 ratio	Belt, 32/66 ratio	Belt, 32/66 ratio
Clutch	Hydraulically actuated, 9-plate, wet with heavy duty spring	Hydraulically actuated, 9-plate, wet	9-plate, wet
Transmission	6-speed Cruise Drive™	6-speed Cruise Drive™	6-speed Cruise Drive™
Gear Ratios (overall):			
1st	9.31	9.31	9.31
2nd	6.42	6.42	6.42

3rd	4.77	4.77	4.77
4th	3.93	3.93	3.93
5th	3.28	3.28	3.28
6th	2.79	2.79	2.79
Chassis			
Frame	Mild steel, square-section backbone with twin downtubes	Mild steel, square-section backbone with twin downtubes	Mild steel tubular frame; rectangular section backbone; stamped, cast and forged junctions; forged fender supports; MIG welded; colour-matched to vehicle
Swingarm	Mild steel, rectangular tube sections, stamped junctions, MIG welded	Mild steel, rectangular tube sections, stamped junctions, MIG welded	Mild steel, round tube sections, forged junctions, MIG welded; painted, colour-matched to vehicle
Front Fork	41.3 mm telescopic	41.3 mm telescopic, cartridge-style damping	Leading-link fork; chrome with colour-matched rigid leg
Rear Shocks	Profile low, air-adjustable	Air-adjustable	Hidden, horizontal-mounted, coil-over
Brakes			
Caliper Type	4-piston front and rear	4-piston front and rear	1-piston floating front 4-piston rear
Rotor Type: (diameter x width)	Open hub, floating front rotors and patented, uniform expansion rear rotor	Chrome, floating brake rotors	Single
Front	(dual) 292 mm x 5 mm	(dual) 292 mm x 5 mm	292 mm x 5 mm
Rear	292 mm x 5 mm	292 mm x 5 mm	292 mm x 6 mm
Suspension Travel:			
Front (mm)	116.8	116.8	57.2
Rear (mm)	54.6	76.2	82.3
Performance			
Engine Torque (EU standard EC95/1 ⁵)	105 ft. lb / 140 Nm @ 4200 rpm	105 ft. lb / 140 Nm @ 4200 rpm	105 ft. lb / 140 Nm @ 4200 rpm
Lean Angle (per SAE J1168)			
Right	31°	32°	35°
Left	28°	30°	31°
Electric			
Battery	Sealed, maintenance-free, 12V, 28-amp/hour, 270 cca (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 28-amp/hour, 270 cca (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 19-amp/hour, 270 cca (per Battery Council International rating)
Charging	Three-Phase, 50-amp system (585W @ 13V, 2000 rpm, 650W max power @ 13V)	Three-Phase, 50-amp system (585W @ 13V, 2000 rpm and 650W max power @ 13V)	3-phase, 38-amp system (439W @ 13V, 2000 rpm, 489W max power @ 13V)
Starting	1.4 kW electric with solenoid shift starter motor engagement	1.4 kW electric with solenoid shift starter motor engagement	1.4 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	Headlamp	Headlamp	Headlamp
	Dual Bulb Halogen, 55-watt low beam, 35-watt high beam	Dual Bulb Halogen, 55-watt low beam, 35-watt high beam	Quartz Halogen, 55-watt low beam, 60-watt high beam
	Tail/Stop Lights	Passing Lamps	Tail/Stop Lights
	8W/28W (5W/21W)	Sealed beam, two @ 27W each (except where prohibited by law)	3W/11W LED Lighting (2W/10W)
	Turn Signal Lights	Tail/Stop Lights	Turn Signal Lights
	28W (21W) self-canceling	8W/28W (5W/21W)	28W (21W) self-canceling
	Indicator Lamps	Turn Signal Lights	Indicator Lamps
High beam, neutral, low oil pressure, engine diagnostics, turn signals, low fuel warnings, security system ⁶ , battery, 6-speed (overdrive)	28W (21W) self-canceling	High beam, neutral, low oil pressure, turn signals, engine diagnostics, security system ⁶ , 6-speed (overdrive), low fuel warnings	

		Indicator Lamps High beam, neutral, low oil pressure, engine diagnostics, turn signals, low fuel warnings, battery, security system ⁶ , 6-speed (overdrive)	
Colour Options⁷			
	Black Ice with Pewter Leaf graphics	Black Ice & Electric Orange	Canyon Copper & Candy Red
	Candy Cobalt with Pale Gold Leaf graphics	Light Candy Cherry & Black Ice	Abyss Blue & Blue Pearl
	Razor Red with Burnt Gold Leaf graphics	Lightning Blue Pearl & Midnight Pearl	Amarillo Gold & Candy Tangerine
Model Features			
	See your dealer for a complete list of model features	See your dealer for a complete list of model features	See your dealer for a complete list of model features
Warranty			
Warranty ⁹	24 months (unlimited mileage)	24 months (unlimited mileage)	24 months (unlimited mileage)
Service Interval ¹⁰	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter	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.	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.	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.	2. Measurement reflects 81.7 kg operator weight.	2. Measurement reflects 81.7 kg operator weight.
	3. Recommended 91 octane or higher fuel (R+M)/2 (87 octane or higher for XL 883 models). Standard and optional fuel systems may vary by country and region.	3. Recommended 91 octane or higher fuel (R+M)/2 (87 octane or higher for XL 883 models). Standard and optional fuel systems may vary by country and region.	3. Recommended 91 octane or higher fuel (R+M)/2 (87 octane or higher for XL 883 models). Standard and optional fuel systems may vary by country and region.
	4. Standard and optional wheels may vary by country and region.	4. Standard and optional wheels 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.	5. Values shown are nominal. Performance may vary by country and region.	5. Values shown are nominal. Performance may vary by country and region.
	6. Security systems include the immobiliser and siren.	6. Security systems include the immobiliser and siren.	6. Security systems include the immobiliser and siren.
	7. Availability of colours may vary from dealer to dealer and is subject to change without notice.	7. Availability of colours may vary from dealer to dealer and is subject to change without notice.	7. Availability of colours may vary from dealer to dealer and is subject to change without notice.
	8. Model not available in all markets.	8. Model not available in all markets.	8. Model not available in all markets.
	9. See motorcycle owner's manual for complete details.	9. See motorcycle owner's manual for complete details.	9. See motorcycle owner's manual for complete details.
	10. Inspections of certain systems and components are required at 4,000 km intervals.	10. Inspections of certain systems and components are required at 4,000 km intervals.	10. Inspections of certain systems and components are required at 4,000 km intervals.