

## 2007 Harley-Davidson<sup>®</sup> CVO Family: Specifications<sup>1</sup>

|                                       | FLHRSE <sup>3</sup> Screamin' Eagle® Road King®                | FLHTCUSE <sup>2</sup> Screamin' Eagle® Ultra  | FXSTSSE Screamin' Eagle® Softail®  |
|---------------------------------------|--|---|--|
|                                       |  | Classic® Electra Glide® <sup>8</sup>  | Springer® <sup>8</sup>   |
| Dimensions                            |  |   |  |
| Length (mm)                           | 2376   | 2470  | 2400   |
| Overall Height (mm)                   | 1333   | 1450  | 1140   |
| Seat Height - laden (mm) <sup>2</sup> | 667  | 713   | 627  |
| Ground Clearance (mm)                 | 140  | 152   | 137  |
| Rake (steering head)                  |  | 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 <sup>3</sup>                   | 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                           | (ESPFI)  | Electronic Sequential Port Fuel Injection (ESPFI)   | Electronic Sequential Port Fuel Injection (ESPFI)                              |
| Exhaust System                        |  | Chrome, Touring cross-over duals with<br>chrome billet end caps and chrome touring<br>muffler shields | Chrome, shotgun, slash down mufflers with chrome heat shields                  |
| Wheels/Tyres                          |  |   |  |
| Tyres:                                |  |   |  |
| Туре                                  |  | 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 <sup>4</sup>                   |  |   |  |
| 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  |
| Clutch                                | Hydraulically actuated, 9-plate, wet with<br>heavy duty spring | Hydraulically actuated, 9-plate, wet  | 9-plate, wet   |
| Transmission                          |  | 6-speed Cruise Drive™   | 6-speed Cruise Drive™  |
| Gear Ratios (overall):                | · ·  |   | · ·  |
| 1st                                   | 9.31   | 9.31  | 9.31   |
| 2nd                                   |  | 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  | Mild steel tubular frame; rectangular section<br>backbone; stamped, cast and forged<br>junctions; forged fender supports; MIG<br>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<br>junctions, MIG welded; painted, colour-<br>matched to vehicle   |
| Front Fork                          | 41.3 mm telescopic   | 41.3 mm telescopic, cartridge-style damping   | Leading-link fork; chrome with colour-<br>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:<br>(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)  | 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)          |  |   | 0 -  |
| Right                               | 31°  | 32°   | 35°  |
| Left                                | 28°  | 30°   | 31°  |
| Electric                            |  |   |  |
| Battery                             | Sealed, maintenance-free, 12V, 28-<br>amp/hour, 270 cca (per Battery Council<br>International Rating)  | Sealed, maintenance-free, 12V, 28-<br>amp/hour, 270 cca (per Battery Council<br>International Rating) | Sealed, maintenance-free, 12V, 19-amp/hour<br>270 cca (per Battery Council International<br>rating)  |
| Charging                            | Three-Phase, 50-amp system (585W @<br>13V, 2000 rpm, 650W max power @ 13V  | Three-Phase, 50-amp system (585W @<br>13V, 2000 rpm and 650W max power @<br>13V)                      | 3-phase, 38-amp system (439W @ 13V,<br>2000 rpm, 489W max power @ 13V)   |
| Starting                            | 1.4 kW electric with solenoid shift starter<br>motor engagement  | 1.4 kW electric with solenoid shift starter<br>motor engagement                                       | 1.4 kW electric with solenoid shift starter<br>motor engagement  |
|                                     | Headlamp   | Headlamp  | Headlamp   |
|                                     | Dual Bulb Halogen, 55-watt low beam, 35-<br>watt high beam   | watt high beam  | Quartz Halogen, 55-watt low beam, 60-watt<br>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   |
| Lights (on non countrylation)       | Indicator Lamps  | Turn Signal Lights  | Indicator Lamps  |
| Lights (as per country regulation): | High beam, neutral, low oil pressure, engin diagnostics, turn signals, low fuel warnings security system <sup>6</sup> , battery, 6-speed (overdrive) |   | High beam, neutral, low oil pressure, turn<br>signals, engine diagnostics, security system <sup>6</sup> ,<br>6-speed (overdrive), low fuel warnings                |

| Colour Options <sup>7</sup>                             |   | Indicator Lamps<br>High beam, neutral, low oil pressure, engine<br>diagnostics, turn signals, low fuel warnings,<br>battery, security system <sup>6</sup> , 6-speed<br>(overdrive)       |  |
|---|---|--|--|
|   |   | 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  |
| Warranty  | 24 months (unlimited milesco)   | 24 months (unlimited mileage)  | 24 months (unlimited milesca)  |
| Warranty <sup>9</sup><br>Service Interval <sup>10</sup> | First 1,000 miles (1,600 km), every 5,000   | 24 months (unlimited mileage)<br>First 1,000 miles (1,600 km), every 5,000<br>miles (8,000 km) thereafter  | 24 months (unlimited mileage)<br>First 1,000 miles (1,600 km), every 5,000<br>miles (8,000 km) thereafter  |
|   | specifications at any time without incurring<br>any obligations. Vehicle specifications may<br>vary by country and region depending on<br>local laws. Some models are not available i<br>certain countries. | at any time without incurring any obligations<br>Vehicle specifications may vary by country<br>and region depending on local laws. Some<br>models are not available in certain countries | <ol> <li>Harley-Davidson reserves the right to<br/>discontinue models or change specifications<br/>at any time without incurring any obligations.<br/>Vehicle specifications may vary by country<br/>and region depending on local laws. Some<br/>models are not available in certain countries.</li> <li>Measurement reflects 81.7 kg operator</li> </ol> |
|   |   | weight.  | weight.  |
|   | models). Standard and optional fuel   | (R+M)/2 (87 octane or higher for XL 883  | 3. Recommended 91 octane or higher fuel<br>(R+M)/2 (87 octane or higher for XL 883<br>models). Standard and optional fuel systems<br>may vary by country and region.   |
|   |   | <ol> <li>Standard and optional wheels may vary b<br/>country and region.</li> </ol>  | <ol> <li>Standard and optional wheels may vary by<br/>country and region.</li> </ol>   |
|   |   | 5. Values shown are nominal. Performance may vary by country and region.   | 5. Values shown are nominal. Performance may vary by country and region.   |
|   | and siren.  | 6. Security systems include the immobiliser<br>and siren.  | and siren.   |
|   | dealer to dealer and is subject to change   | 7. Availability of colours may vary from dealer to dealer and is subject to change without notice.   | <ol> <li>Availability of colours may vary from dealer<br/>to dealer and is subject to change without<br/>notice.</li> </ol>  |
|   |   | 8. Model not available in all markets.   | 8. Model not available in all markets.   |
|   |   | <ol> <li>See motorcycle owner's manual for<br/>complete details.</li> </ol>  | 9. See motorcycle owner's manual for<br>complete details.  |
|   | 10. Inspections of certain systems and components are required at 4,000 km  | 10. Inspections of certain systems and<br>components are required at 4,000 km<br>intervals.  | 10. Inspections of certain systems and components are required at 4,000 km intervals.  |