

# FLSTSE<sup>2</sup> CVO<sup>™</sup>

## SOFTAIL<sup>®</sup> CONVERTIBLE

### MODEL SPECIFICATIONS<sup>1</sup>



DIMENSIONS	
Length	<b>94.9 in.</b> (2410 mm)
Overall Width	<b>35.8 in.</b> (909 mm)
Overall Height	<b>50.8 in.</b> (1290 mm)
Seat Height:	
• Laden <sup>2</sup>	<b>24.4 in.</b> (620 mm)
• Unladen	<b>26.2 in.</b> (665 mm)
Ground Clearance	<b>4.3 in.</b> (109 mm)
Rake (steering head)	<b>32°</b>
Fork Angle	<b>31°</b>
Trail	<b>5.8 in.</b> (147 mm)
Wheelbase	<b>64.2 in.</b> (1631 mm)
Tires (Dunlop <sup>®</sup> Harley-Davidson Series, radial blackwall front and rear):	
• Front – D407	130/70R18 63V
• Rear – D407	200/50R18 76V
Fuel Capacity	<b>5.0 gal.</b> (18.9 L)
(warning light at approximately 1.0 gal.)	
Oil Capacity (w/filter)	<b>3.0 qts.</b> (2.8 L)
Transmission Capacity	<b>1.0 qts.</b>
Primary Chain	<b>1.0 qts.</b>
Case Capacity <sup>3</sup>	
Weight:	
• As Shipped	<b>754 lbs.</b> (342.0 kg)
• In Running Order	<b>781 lbs.</b> (354.3 kg)
• Gross Vehicle Weight Rating	<b>1160 lbs.</b> (526.2 kg)
• Gross Axle Weight Rating:	
• Front	<b>430 lbs.</b> (195.0 kg)
• Rear	<b>730 lbs.</b> (331.1 kg)
ENGINE	
Engine <sup>4</sup>	Air-cooled, Twin Cam 110B <sup>™</sup>
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	<b>4 in. x 4.38 in.</b> (101.6 mm x 111.3 mm)
Displacement	<b>110 cu. in.</b> (1803 cc)
Compression Ratio	9.15:1
Fuel System <sup>4</sup>	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, 32/66 ratio
Clutch	Hydraulically actuated, 9-plate, wet, with high-performance spring
Transmission	6-Speed Cruise Drive <sup>®</sup>
Gear Ratios (overall):	<b>U.S.</b>
• 1st	<b>9.311</b>
• 2nd	<b>6.454</b>
• 3rd	<b>4.793</b>
• 4th	<b>3.882</b>
• 5th	<b>3.307</b>
• 6th	<b>2.79</b>
CHASSIS	
Frame	Mild steel, tubular frame; rectangular section backbone; stamped, cast, and forged junctions; MIG welded; color coordinated with vehicle
Swingarm	Mild steel tube sections, forged junctions; MIG welded; color coordinated with vehicle
Front Forks	41.3 mm telescopic, chrome upper fork-slider covers
Rear Shocks	Hidden, horizontal-mounted, coil-over
Wheels <sup>5</sup> :	Chrome Stinger <sup>™</sup> Cast Aluminum
• Front	<b>18 in. x 3.5 in.</b> (457 mm x 89 mm)
• Rear	<b>18 in. x 6 in.</b> (457 mm x 152 mm)
Brakes:	
• Caliper Type	4-piston fixed front; 2-piston floating rear
• Rotor Type (diameter x width):	Single floating Stinger Waved Rotor
• Front	<b>11.5 in. x .2 in.</b> (292 mm x 5 mm)
• Rear	<b>11.5 in. x .23 in.</b> (292 mm x 5 mm)
• Anti-lock Braking System (option)	Standard
Suspension Travel:	
• Front Wheel	<b>5.1 in.</b> (130 mm)
• Rear Wheel	<b>3.3 in.</b> (84 mm)
PERFORMANCE	
Engine Torque <sup>6</sup> (per SAE J1349):	
• North America	<b>110 ft. lbs. @ 3000 RPM</b> (149 Nm @ 3000 RPM)
Lean Angle:	
• Right	<b>26°</b>
• Left	<b>26°</b>
Fuel Economy <sup>7</sup> (EPA urban/highway test)	<b>34/50 mpg</b> (6.90/4.70 L/100 km)

ELECTRIC	
Battery (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 19-amp/hour, 270 cca
Charging	Three-phase, 38-amp system (439W @ 13V, 2000 RPM, 489W max power @ 13V)
Starting	1.4 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp (quartz halogen)	55-watt low beam, 60-watt high beam
• Rear Tail/Stop Lights	<b>8W/28W</b> self-canceling
• Front Signal Lights	<b>8W/28W</b> self-canceling
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, security system <sup>8</sup> , 6-speed, low fuel warning, cruise control, ABS
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> Primary case oil fill is 45 oz. or as needed to fill to bottom of diaphragm spring.

<sup>4</sup> Recommended 91 octane or higher fuel (R+M)/2.

<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.