



2021 FLHTKSE CVO™ LIMITED

DIMENSIONS

Notes

Length	102.4 in. (2,600 mm)	
Overall Width	42.5 in. (1,080 mm)	
Overall Height	56.7 in. (1,440 mm)	
Seat Height, Laden	27.7 in. (704 mm)	2
Seat Height, Unladen	29.9 in. (760 mm)	
Ground Clearance	4.9 in. (125 mm)	
Rake (steering head) (deg)	26	
Fork Angle (deg)	29.25	
Trail	6.7 in. (170 mm)	
Wheelbase	64 in. (1,625 mm)	
Tires, Type	Dunlop® Harley-Davidson Series, bias blackwall front and rear	
Tires, Front Model	D408F	
Tires, Front Specification	BW 130/60B19 61H	
Tires, Rear Model	D407	
Tires, Rear Specification	BW 180/55B18 80H	
Fuel Capacity	6 gal. (22.7 l)	
Reserve Fuel Capacity, Fuel Injection (warning light)	1 gal. (3.8 l)	
Oil Capacity (w/filter)	5 qt. (4.7 l)	
Transmission Capacity	1 qt. (.95 l)	
Primary Chain Case Capacity	1.1 qts. (1 l)	
Coolant Capacity	0.8 qt. (0.75 l)	
Weight, As Shipped	906 lb. (411 kg)	
Weight, In Running Order	944 lb. (428 kg)	
Gross Vehicle Weight Rating	1,360 lb. (617 kg)	
Gross Axle Weight Rating, Front	500 lb. (227 kg)	
Gross Axle Weight Rating, Rear	926 lb. (420 kg)	
Luggage Capacity -Volume	4.7 cu ft (0.132 m ³)	

ENGINE

Engine	Twin-Cooled™ Milwaukee-Eight® 117
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder
Bore	4.075 in. (104 mm)
Stroke	4.5 in. (114 mm)

Displacement	117 cu in (1,923 cc)	
Compression Ratio	10.2:1	
Fuel System	Electronic Sequential Port Fuel Injection (ESPFI)	3
Air Cleaner	Paper, washable	
Exhaust	Dual, with crossover	
Lubrication System	Pressurized, dry-sump	

DRIVETRAIN

Primary Drive	Chain, 34/46 ratio	
Final Drive	Belt, 32/68 ratio	
Clutch	Mechanically actuated 10 plate, wet Assist & Slip	
Transmission	6-Speed Cruise Drive®	
Gear Ratios (overall) 1st	9.593	
Gear Ratios (overall) 2nd	6.65	
Gear Ratios (overall) 3rd	4.938	
Gear Ratios (overall) 4th	4	
Gear Ratios (overall) 5th	3.407	
Gear Ratios (overall) 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 Fork	49mm Dual Bending Valve	
Rear Shocks	Premium standard height hand-adjustable rear suspension	
Wheels, Front Type	Gloss Black and Contrast Chrome Tomahawk	4
Wheels, Front Width	3 in. (76 mm)	
Wheels, Front Height	19 in. (483 mm)	
Wheels, Rear Type	Gloss Black and Contrast Chrome Tomahawk	4
Wheels, Rear Width	5 in. (127 mm)	
Wheels, Rear Height	18 in. (457 mm)	
Brakes, Caliper Type	32 mm, 4-piston fixed front and rear	
Brakes, Rotor Type	Dual floating rotors (front), fixed rotor (rear)	
Brakes, Front Diameter	11.8 in. (300 mm)	
Brakes, Front Thickness	0.2 in. (5.1 mm)	
Brakes, Front is dual	Yes	
Brakes, Rear Diameter	11.8 in. (300 mm)	
Brakes, Rear Thickness	0.28 in. (7.1 mm)	
Brakes, Anti-Lock Braking System (ABS)	Standard	
Suspension Travel, Front	4.6 in. (117 mm)	
Suspension Travel, Rear	3 in. (76 mm)	

PERFORMANCE

Engine Torque Testing Method	J1349
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Engine Torque	125 ft-lb (169 Nm)	5
Engine Torque (rpm)	3,500	
Lean Angle Testing Method	J1168	
Lean Angle, Right (deg.)	34.3	
Lean Angle, Left (deg.)	33.4	
Fuel Economy Testing Method	Estimated City/Hwy	
Fuel Economy	41 mpg (5.7 l/100 km)	6

ELECTRIC

Battery	Sealed, maintenance-free, 12V, 28-amp/hour, 405 cca (per Battery Council International Rating)	
Charging	Three-phase, 48-amp system (600W @ 13V, 2000 RPM, 625W max power @ 13V)	
Starting	1.6 kW electric with solenoid shift starter motor engagement	
Lights (as per country regulation), Headlamp	Daymaker™ Adaptive LED Headlamp with fog lights.	
Lights (as per country regulation), Tail/Stop	LED	
Lights (as per country regulation), Front Signal Lights	LED	
Lights (as per country regulation), Indicator Lamps	Headlight, running lights, directional lights, neutral, low oil pressure, check engine, turn signals, security/fault indication, gear indication, neutral, low fuel warning, cruise control, ABS, Low Tire Pressure/TPMS indicator, Traction Control, Rain Mode, Vehicle Hold Control (VHC), fog/aux lamp indicator	7
Lights, Rear Turn Signals	LED	
Gauges	- Custom gauges styled to complement each CVO vehicle. Display features odometer, trip A, trip B, range to empty and gear indicator; and larger tell-tale indicators.	
Auxiliary Lamps	Two LED @ 20W each (except where prohibited by law)	
Electric Power Outlet	Electric power accessory port in fairing and tourpak	
GPS System	Boom!™ Box GTS audio system with GPS and touchscreen	
Reverse Gear	N/A	

WARRANTY AND SERVICE

Warranty	24 months (unlimited mileage)	8
Service Interval	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter	9

FOOTNOTES

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

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.