

(Sample Specifications and Description)
2015 Harley-Davidson® FLHP Road King® Police

QUANTITY: [Insert Quantity] 2015 Harley-Davidson® FLHP Road King® Solo Law Enforcement Motorcycles

SCOPE OF SPECIFICATIONS

These specifications describe the mechanical and comfort requirements for the FLHP solo law enforcement motorcycles which will be used by the [insert agency/department name].

SPECIFICATIONS

All proposed FLHP motorcycles to be in full compliance as follows:

A. Engine

Piston displacement of not less than 1690cc OHV Twin Cam 103® High Output Vibration Isolated V-Twin, air-cooled, equipped with OE standard oil cooler, two cylinders with overhead valves and featuring EITMS (Engine Idle Temperature Management System), producing minimal vibration frequencies and magnitudes. Engine and transmission isolated from motorcycle frame utilizing a rubber mounting system.

- Powertrain deluxe chrome group designed for low maintenance; black powder coat finish on engine; chrome rocker boxes, timer cover, outer primary housing & transmission covers.
- Compression ratio: 9.7:1
- Electronic Sequential Port Fuel Injection System (ESPFI)
- Chain Drive Twin Cams
- Hydraulic Lifters requiring no maintenance service adjustments

B. Clutch / Transmission

- Clutch shall be of the latest multiple nine (9) plate design, wet.
- Cable Actuated Clutch system
- Transmission to be of latest design, manual type, with not less than six (6) forward speeds.
- Clutch disengage for starter motor operation
- Primary Drive, double-row chain, 34/46 ratio.
- Greaseless shifter shaft with “anti-vibration” rubber spacers.

• Gear Ratios

1 st	9.593
2 nd	6.650
3 rd	4.938
4 th	4.000
5 th	3.407
6 th	2.875

C. Brakes

- Reflex™ Linked Braking with ABS, linking disengages below 25 mph
- Hydraulic Disc brakes for both front and rear wheels
- Front brakes having dual 11.81-inch diameter floating discs
- Rear brake having a single disc.
- Brakes shall be relatively free of heat fade
- Calipers-4 Piston
- Uniform Expanding Rear Rotor

D. Suspension

Motorcycles shall be provided with a suspension system to permit optimum handling conditions as required in law enforcement.

- 49 mm telescopic front forks.
- Rear air-adjustable shocks.
- Rear suspension swing arm bearings shall require no lubrication for life of the motorcycle.

E. Wheels / Tires

- Black Impeller™ Cast Aluminum wheels, rim material to be impermeable to compressed air.
- Tubeless type tires to have non-skid tread, designed to operate on paved highways and shall have a full, four-ply fabric reinforcement.
- Bead-retention tires designed to remain on wheel during sudden loss of pressure.
- Sealed automotive style wheel bearings requiring no endplay adjustment and service interval of 100,000 miles (160,000 km).

F. Fuel Tank

- Fuel tank to have a capacity of six (6) U.S. gallons (or 22.71 liters). Must provide a minimum of 1 gal (3.8 L) reserve fuel capacity when main supply is exhausted.
- Electric fuel pump.

G. Electrical System

Electrical system shall be nominal 12-volt as follows:

- Battery. Sealed, heavy-duty maintenance-free, 12-volt, minimum rated capacity – 28 ampere hours (Battery Council International rating), 270 cold cranking amps.
- Ignition. Non-waste spark, alpha control.
- Charging System. Three-phase, 50-amp high output alternator, solid state regulator.
- Connectors. Industrial grade throughout, provided with electrical accessory connection.
- Hand Controls. Water-resistant, integrated switches.
- Starting System. 12-volt starter, solenoid operated engagement, relay required.
- Horn. Sound level audible above motorcycle and traffic-generated noise.

H. Lighting

Each motorcycle shall be provided with the following lighting equipment:

- Dual Halogen Headlight
- Front Emergency Lamps PAR-36, one red and one blue (incandescent).
- Tail light.
- Turn Signals, self-canceling system.
- Flashers, four-way, with independent switch.
- License plate lighting with two blue marker lamps.
- Rear (Red) LED Fender Tip Light

I. Visual Displays

- Speedometer. Analog & Digital speedometer, range 0-120mph (or kph equivalent),
- (2) re-settable trip meters.
- Speed Capture with Digital Speed Display
- Gear Indicator
- Odometer. Calibrated, cumulative.
- Tachometer. Analog.
- Fuel level gauge.
- Emergency Light Activation Indicators, separate indicators for front and rear emergency lights.
- Stealth Mode indicator-if activated
- Cruise Control indicator
- Sight glass on brake master cylinders.

- Fuel Mileage countdown till empty displayed in odometer window when Low fuel indicator lamp is lit.
- Turn Signal Indicators
- Hazard-Warning Lights Indicator
- Neutral Indicator
- High beam Indicator
- Low Oil pressure Indicator
- Engine diagnostic light
- ABS indicator lamp
- Security Lamp (if equipped with optional security system)

J. Feature Requirements

- Seat. Deluxe solo saddle, special police type, breathable material covering, adjustable coil over spring suspension system.
- Cruise Control-OE standard
- Stealth Mode-optional activation
- Push to Talk Switch-requires other police radio equipment not supplied by H-D
- Power ON for emergency equipment for 30 minutes with ignition OFF
- Analog and Digital Speed Display with Speed Capture feature
- Gear Indicator
- Side Stand. Jiffy stand with electronic disengage to prevent drive off with jiffy stand deployed.
- Foot Boards. pivoting type with non-skid rubber pads.
- Guards. Front engine guard bar and rear saddlebag guard bars. *Horizontal Saddlebag Rails-Optional*
- Saddlebags. Factory installed, law enforcement type Injection Molded GTX saddlebags, approximately 2000 cubic inches of storage space per bag, water-resistant, utilizing one touch operation latches.
- Final belt drive, with a rubber isolated 68 tooth rear drive sprocket.
- Chrome, two into one into two exhaust system
- Windshield. Constructed of clear polycarbonate, designed to break away with minimal force.
- Mirrors. Two (2) long stem true image mirrors.
- Key. One key fits all locks.
- Wheelbase. 64 inches (1625 mm).
- Laden Seat Height. 27.3 inches (695 mm)
- Gross Vehicle Weight Rating. 1360 lbs. (617 kg.)
- Dry Weight. 786 lbs. (357 kg.)
- Running Order. 821 lbs. (372 kg.)
- Service Intervals. 1st 1000 miles and then every 5000 miles thereafter.
- Warranty. 24 months, unlimited mileage.

**Specifications apply for both Domestic and California Configurations.