

2020 Harley-Davidson® FLHTP Electra Glide® Police Motorcycles



(Sample Specifications and Description)

QUANTITY: [Insert Quantity] 2020 Harley-Davidson® FLHTP Electra Glide® Solo Law Enforcement Motorcycles. (Ducted Fork Mounted Fairing with Windshield)

SCOPE OF SPECIFICATIONS

These specifications describe the mechanical and comfort requirements for the FLHTP Solo Law Enforcement Motorcycles which will be used by the [insert agency/department name].

SPECIFICATIONS*

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

NEW FOR 2020

Reflex™ Defensive Rider Systems (RDRS) – Standard:

The Reflex Defensive Rider Systems will assist the rider in maintaining the rider's intended path.

Package provides the following features:

- Cornering Electronically Linked Brakes
- Cornering – ABS
- Cornering – Traction Control with modes. Traction Control can be turned on or off
- Drag Torque Slip Control
- Vehicle Hold Control
- Tire Pressure Monitoring (TPMS)

H-D™ Connect – Standard

The new H-D Connect technology introduces subscription-based cellular connectivity to keep riders connected to their motorcycle through their smart phone using the latest version of the Harley-Davidson™ App. H-D Connected allows owners to connect remotely to their motorcycle to view key vehicle health information, receive tamper alerts and stolen-vehicle assistance.

New Handlebar with bar ends turned higher to provide more clearance to the operator's legs.

A. Engine

Piston displacement of not less than 1868cc Milwaukee-Eight™ 114 cubic inch, pushrod-operated, overhead valves with hydraulic, self-adjusting lifters, four valves per cylinder 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: 10.5:1
- Electronic Sequential Port Fuel Injection System (ESPFI)
- Single Cam design
- Hydraulic Lifters requiring no maintenance service adjustments
- Air and Oil cooled
- Fan-assisted oil cooler

B. Clutch / Transmission

- Clutch shall be of the latest assist and slip ten (10) plate design, wet
- Hydraulically 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: 1st: 9.593
 2nd: 6.650
 3rd: 4.938
 4th: 4.000
 5th: 3.407
 6th: 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.

- Front suspension uses Showa® Dual Bending Valve (SDBV™) technology and provides 117 mm of travel; improved damping performance over the range of suspension travel
- Hand-adjustable emulsion rear shocks provide 15–30% more preload adjustment and adjust with the turn of a single knob, no tools required; improved damping performance over the range of suspension travel
- 49 mm telescopic front forks
- 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
- 90° valve stem
- 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 6 U.S. gallons (22.71 liters). Must provide a minimum of 1 gallon (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), 405 cold cranking amps
- Ignition: Non-waste spark, alpha control
- Charging System: Three-phase, 48-amp high output alternator producing 28 amps at idle, 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:

- Daymaker™ LED 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

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
- Voltmeter 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
- Heated Grips – OE standard
- 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 in. (1625 mm)
- Laden Seat Height: 27.3 in. (695 mm)
- Gross Vehicle Weight Rating: 1,360 lb. (617 kg)
- Dry Weight: 809 lb. (367 kg)
- Running Order: 844 lb. (383 kg)
- Service Intervals: 1st 1,000 miles and then every 5,000 miles thereafter
- Limited Warranty: 24 months, unlimited mileage

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