



2020 ELW LIVEWIRE™

DIMENSIONS

Notes

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|----------------------------------|--------------------|---|
| Length | 84.1 in. (2135 mm) | |
| Overall Width | 32.7 in. (830mm) | |
| Overall Height | 42.5 in. (1080 mm) | |
| Seat Height, Laden | 30.0 in. (761 mm) | 2 |
| Seat Height, Unladen | 30.7 in. (780 mm) | 2 |
| Ground Clearance | 5.1 in. (130 mm) | |
| Rake (steering head) (deg) | 24.5° | |
| Trail | 4.3 in. (108 mm) | |
| Wheelbase | 58.7 in. (1490 mm) | |
| Tires, Front – Scorcher® “Sport” | 120/70 ZR17 58W | |
| Tires, Rear – Scorcher® “Sport” | 180/55 ZR17 73W | |
| Transmission Capacity | .34 qt. (0.32 l) | |
| Coolant Capacity | .8 qt. (0.72 l) | |
| Weight, As Shipped | 553 lb. (251 kg) | |
| Weight, In Running Order | 553 lb. (251 kg) | |
| Gross Vehicle Weight Rating | 953 lb. (432 kg) | |
| Gross Axle Weight Rating, Front | 434 lb. (197 kg) | |
| Gross Axle Weight Rating, Rear | 580 lb. (263 kg) | |

DRIVETRAIN

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|---------------------------|--------------------------------|---|
| Primary Drive | Spiral bevel gear, 55/17 ratio | |
| Final Drive | Belt, 3/1 ratio | 6 |
| Transmission | Single Speed | |
| Gear Ratios (overall) 1st | U.S. 9.71 | |

CHASSIS

| | | |
|---------------|--|---|
| Frame | Aluminum cast | |
| Swingarm | Aluminum cast | |
| Front Fork | SHOWA® 43 mm Inverted Separate Function Forks - Big Piston (SFF-BP®), fully adjustable | |
| Rear Shocks | SHOWA® Balance Free Rear Cushion Lite (BFRC-lite®), fully adjustable | |
| Wheels, Type | Black, Split 5-Spoke Cast Aluminum | 7 |
| Wheels, Front | 17 in. x 3.5 in. (432 mm x 89 mm) | |

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| Wheels, Rear | 17 in. x 5.5 in. (432 mm x 140 mm) |
| Brakes, Caliper Type | Dual 4-piston monoblock radial mount front, dual-piston rear |
| Brakes, Rotor Type | Dual floating rotors (front), floating rotor (rear) |
| Brakes, Front (dual) | 11.8 in. x 0.2 in. (300 mm x 5 mm) |
| Brakes, Rear | 10.2 in. x 0.20 in. (260 mm x 5 mm) |
| Brakes, Anti-Lock Braking System (ABS) | Standard |
| Suspension Travel, Front | 4.5 in. (115 mm) |
| Suspension Travel, Rear | 4.5 in. (115 mm) |

PERFORMANCE

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|------------------------|---------------------|
| Lean Angle (per J1168) | Right 45°/ Left 45° |
|------------------------|---------------------|

ELECTRIC

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| Battery | Lithium Ion, 12.8V , 24 Wh, 120 A |
| Charging | Onboard DC to DC conversion |
| Lights (as per country regulation): Headlamp Tail/Stop Lights Turn Signal Lights Indicator Lamps | All LED, low beam, high beam and signature position lamp LED with light pipe tail LED (front). LED, Amber (rear) High beam, turn signals, ABS, traction control, EV fault |
| Gauges | 4.3" WQVGA 480×272 TFT Color Display with Ambient Light Sensor, 9 warning lights, Real Time Clock and Integrated Bluetooth Connectivity to a Smartphone to provide infotainment features including turn-by-turn navigation, telephone, music, and voice recognition |
| Electric Power Outlet | USB C-type; output 5V at 3A |

EV SPECIFIC CONTENT - MOTOR

| | | |
|---------------|---|---|
| Torque | 86 ft-lb (116 Nm) | 3 |
| RPM Max | 15000 | |
| Type | Internal Permanent Magnet Synchronous Motor with Water Jacket cooling | |
| Motor Name | H-D Revelation™ | |
| Inverter Type | IGBT | |
| Pole Count | 6 | |
| Power | 105 HP (78 kW) | |
| Diameter | 6.69 in. (170 mm) | |
| Stack Length | 3.94 in. (100 mm) | |

EV SPECIFIC CONTENT - RESS

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|----------|---|
| Type | Lithium Ion |
| Capacity | Capacity 15.5kWh total (13.6kWh min usable) |

EV SPECIFIC CONTENT - CHARGING

| | | |
|-------------------------------|---|---|
| Charge Plug Type | SAE J1772 Combo Inlet (CCS1) / IEC 62196 Combo Inlet (CCS2) | 4 |
| On-board Charger, charge rate | 1400W | |

Charging Time - MIC city cycle (not verified):

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|--|--|
| AC Wall Charging -RESS from 0%–80% / 0%–100% | Capable of 13.8 miles/hour (22.2 km/hour) charge rate 10 hours / 12.5 hours |
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Charging Time - MIC city cycle (not verified):

| | |
|--|--|
| DC Fast Charging -RESS from 0%–80% / 0%–100% | Capable of 221.2 miles/hour (356 km/hour) charge rate 40 minutes / 1.0 hours |
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|---------------------|---------------|
| DC to DC Conversion | 450W at 14.2V |
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EV SPECIFIC CONTENT - RANGE

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|------------------------------------|-----------------|
| MIC City | 146 mi (235 km) |
| Highway (70 mph sustained) | 70 mi (113 km) |
| Combined | 95 mi (152 km) |
| WMTC (World Motorcycle Test Cycle) | 98 mi (158 km) |

INFOTAINMENT

| | |
|--|---|
| Hands-free Mobile Phone (via Bluetooth) | Standard |
| Voice Recognition Languages: Phone Functions Only Tuner/Media/Navigation | Via paired iOS or Android device Via paired iOS or Android device |
| USB | USB Type-C |
| Bluetooth | Phone/media supported |
| Telematics | Standard |

WARRANTY AND SERVICE

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|------------------------------|---|---|
| Warranty (unlimited mileage) | Vehicle - 24 months HV Battery - 5 years | 6 |
| Service Interval | First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter | 7 |

FOOTNOTES

- 1 Vehicles depicted may differ from the vehicle 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 change or discontinue other available models, without notice and without incurring any obligation. Attention: Vehicles in the configurations shown and many of the accessories described may not be available for sale or use in some locations. Please check with your dealer for complete product details and the latest information regarding available models and accessories. All models feature integrated Longitudinal Permanent Magnet Motor, controller, and single speed gear box with a 2-year unlimited mileage vehicle and 5-year unlimited mileage battery limited warranty.
- 2 Measurement reflects 180 lb. (81.7 kg) operator weight.
- 3 Values shown are nominal. Performance may vary by country and region.
- 4 Charging rate varies based on output of the charge unit and ambient/vehicle temperature.

5

Range estimates are based on expected performance on a fully-charged battery and are derived from SAE J2982 Riding Range. Test Procedure data on a sample motorcycle under ideal laboratory conditions. Your actual range will vary depending on your personal riding habits, road and driving conditions, ambient weather, vehicle condition and maintenance, tire pressure, vehicle configuration (parts and accessories), and vehicle loading (cargo, rider and passenger weight).

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See Motorcycle Owner's Manual for complete details.

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Recommended service interval: First 1000 miles (1,600 km) and every 20,000 miles (40,000 km) thereafter.