

MODEL YEAR 2022 | LOW RIDER® ST

| Dimensions | FXLRST Low Rider® ST | Notes |
|--|---|-------|
| Length | 93.1 in. (2,365 mm) | |
| Overall Width | 34.3 in. (870 mm) | |
| Overall Height | 51.2 in. (1,300 mm) | |
| Seat Height, Laden | 27 in. (686 mm) | 2 |
| Seat Height, Laden (Low seat position) | | |
| Seat Height, Laden (High seat position) | | |
| Seat Height, Laden (Low seat position with optional ARH suspension) | | |
| Seat Height, Laden (High seat position with optional ARH suspension) | | |
| Seat Height, Unladen | 28.3 in. (720 mm) | |
| Seat Height, Unladen (Low seat position) | | |
| Seat Height, Unladen (High seat position) | | |
| Seat Height, Unladen (Low seat position with optional ARH suspension) | | |
| Seat Height, Unladen (High seat position with optional ARH suspension) | | |
| Static Ground Clearance | 5.9 in. (150 mm) | |
| Dynamic Ground Clearance (with optional suspension) | | |
| Rake (steering head) (deg) | 28 | |
| Fork Angle (deg) | 28 | |
| Trail | 5.7 in. (145 mm) | |
| Wheelbase | 63.6 in. (1,615 mm) | |
| Tires, Type | Michelin® Scorcher® "31" front and rear | |
| Tires, Front Model | Scorcher™ "31" | |
| Tires, Front Specification | 110/90B19,62H,BW | |
| Tires, Rear Model | Scorcher™ "31" | |
| Tires, Rear Specification | 180/70B16,77H,BW | |
| Fuel Capacity | 5 gal. (18.9 l) | |
| Reserve Fuel Capacity, Fuel Injection (warning) | 1 gal. (3.8 l) | |

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|---------------------------------|---------------------|--|
| light) | | |
| Oil Capacity (w/filter) | 5 qt. (4.7 l) | |
| Transmission Capacity | 1 qt. (.95 l) | |
| Primary Chain Case Capacity | 1.25 qt. (1.18 l) | |
| Coolant Capacity | N/A | |
| Weight, As Shipped | 694 lb. (315 kg) | |
| Weight, In Running Order | 721 lb. (327 kg) | |
| Gross Vehicle Weight Rating | 1,160 lb. (526 kg) | |
| Gross Axle Weight Rating, Front | 450 lb. (204 kg) | |
| Gross Axle Weight Rating, Rear | 730 lb. (331 kg) | |
| Luggage Capacity -Volume | 1.9 cu ft (0.05 m3) | |

| Engine | FXLRST Low Rider® ST | Notes |
|--------------------|--|-------|
| Engine | Milwaukee-Eight® 117 | |
| Valves | Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder | |
| Bore | 4.075 in. (103.5 mm) | |
| Stroke | 4.5 in. (114.3 mm) | |
| Displacement | 117 cu in (1,923 cc) | |
| Compression Ratio | 10.2:1 | |
| Fuel System | Electronic Sequential Port Fuel Injection (ESPFI) | 3 |
| Air Cleaner | Heavy Breather intake with synthetic media, washable exposed element | |
| Exhaust | 2-into-2 offset shotgun; catalyst in muffler | |
| Lubrication System | Pressurized, dry-sump with oil cooler | |

| Drivetrain | FXLRST Low Rider® ST | Notes |
|---------------------------|---|-------|
| Primary Drive | Chain, 34/46 ratio | |
| Final Drive | Belt, 32/66 ratio | |
| Clutch | Mechanical, 10 plate wet, assist & conventional | |
| Transmission | 6-Speed Cruise Drive® | |
| Gear Ratios (overall) 1st | 9.311 | |
| Gear Ratios (overall) 2nd | 6.454 | |

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|---------------------------|-------|--|
| Gear Ratios (overall) 3rd | 4.793 | |
| Gear Ratios (overall) 4th | 3.882 | |
| Gear Ratios (overall) 5th | 3.307 | |
| Gear Ratios (overall) 6th | 2.79 | |

| Chassis | FXLRST Low Rider® ST | Notes |
|--|---|-------|
| Frame | Mild steel, tubular frame; rectangular section backbone; stamped, cast, and forged junctions; MIG welded; aluminum forged fender supports | |
| Swingarm | Mild steel, tubular sections, stamped x-member, forged axle junctions; MIG welded; removable belt spacer | |
| Front Fork | Single cartridge 43 mm inverted with aluminum fork triple clamps; single rate spring | |
| Front Fork, Optional | | |
| Rear Shocks | Hidden, free piston, coil-over monoshock; 56 mm stroke; hydraulic preload adjustment | |
| Rear Shocks, Optional | | |
| Wheels, Optional Style Type | N/A | 4 |
| Wheels, Front Type | Dark bronze, Radiate cast aluminum wheel | 4 |
| Wheels, Front Width | 2.5 in. (64 mm) | |
| Wheels, Front Height | 19 in. (483 mm) | |
| Wheels, Rear Type | Dark bronze, Radiate cast aluminum wheel | 4 |
| Wheels, Rear Width | 5 in. (127 mm) | |
| Wheels, Rear Height | 16 in. (406 mm) | |
| Brakes, Caliper Type | 4-piston fixed front and 2-piston floating rear | |
| Brakes, Rotor Type | Front and rear black, Split 7-spoke floating rotors | |
| 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 | 11.5 in. (292 mm) | |
| Brakes, Rear Thickness | 0.23 in. (5.8 mm) | |
| Front brake lever free travel | N/A | |
| Rear brake pedal free travel | N/A | |
| Brakes, Anti-Lock Braking System (ABS) | Standard | |
| Suspension Travel, Front | 5.1 in. (130 mm) | |
| Suspension Travel, Rear | 4.4 in. (112 mm) | |

| Performance | FXLRST Low Rider® ST | Notes |
|--|-----------------------------|--------------|
| Engine Torque Testing Method | J1349 | |
| Engine Torque | 125 ft-lb (169 Nm) | 5 |
| Engine Torque (rpm) | 3,500 | |
| Power (Hp/kW) | 103 HP / 77 kW @ 4750 rpm | |
| Lean Angle Testing Method | J1168 | |
| Lean Angle, Right (deg.) | 31.3 | |
| Lean Angle, Left (deg.) | 31.3 | |
| Maximum hill-starting ability | N/A | |
| Fuel Economy Testing Method | Estimated City/Hwy | |
| Fuel Economy | 47 mpg (5 l/100 km) | 6 |
| CO ² Emissions Testing Method | N/A | |
| CO ² Emissions | N/A | |

| Electric | FXLRST Low Rider® ST | Notes |
|---|--|--------------|
| Battery | Sealed, maintenance-free, absorbed glass mat (AGM) battery, 12V, 17.5Ah, 310 CCA at 0°F | |
| Charging | Three-phase, 42 Amp system (390 Watts @13 Volts, 1000 rpm, 546 Watts max power @ 13 Volts, 2000 rpm) | |
| Starting | 1.6 kW electric with solenoid shift starter motor engagement | |
| Lights (as per country regulation), Headlamp | All LED, low beam, high beam and signature position lamp | |
| Lights (as per country regulation), Tail/Stop | LED Zeppelin tail lamp | |
| Lights (as per country regulation), Front Signal Lights | Incandescent bullet turn signals | |
| Lights, Rear Turn Signals | Incandescent bullet turn signals | |
| Gauges | 2.14 inch viewable area LCD display with speedometer, gear, odometer, fuel level, clock, trip, range and tachometer indication | |
| Auxiliary Lamps | N/A | |
| Electric Power Outlet | USB A-type; output 5V at 2.4A | |
| GPS System | N/A | |
| Reverse Gear | N/A | |

| Warranty And Service | FXLRST Low Rider® ST | Notes |
|----------------------|---|-------|
| Warranty | 24 months (unlimited mileage) | 7 |
| Service Interval | First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter | 8 |

Notes

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. See motorcycle owner's manual for complete details.
8. Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner's Manual for full details.