

MODEL YEAR 2025 | LOW RIDER® ST

Dimensions	FXLRST Low Rider® ST	Notes
Length	92.9 in. (2,360 mm)	
Overall Width	35 in. (890 mm)	
Overall Height	50.8 in. (1,290 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	28.1 in. (715 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	5.7 in. (145 mm)	
Dynamic Ground Clearance (with optional suspension)		
Rake (steering head)	28	
Fork Angle	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 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	1.25 qt. (1.18 l)	
Coolant Capacity	N/A	
Weight, As Shipped	686 lb. (311 kg)	
Weight, In Running Order	712 lb. (323 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	2 cu ft (0.056 m3)	

Engine	FXLRST Low Rider® ST	Notes
Engine	Milwaukee-Eight® 117 High-Output	
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	10.3:1	
Fuel System	Electronic Sequential Port Fuel Injection (ESPFI)	3
Air Cleaner	NEW Heavy Breather intake with synthetic media, washable exposed element	
Exhaust	2-into-1; catalyst in header	
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	
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	Chrome or Black, Radiate Cast Aluminum	4
Wheels, Front Diameter	19 in. (483 mm)	
Wheels, Front Width	2.5 in. (64 mm)	
Wheels, Rear Type	Chrome or Black, Radiate Cast Aluminum	4
Wheels, Rear Diameter	16 in. (406 mm)	
Wheels, Rear Width	5 in. (127 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)	
Brakes, Anti-Lock Braking System (ABS)	Standard	
Suspension Travel, Front	5 in. (130 mm)	
Suspension Travel, Rear	4.4 in. (112 mm)	

Performance	FXLRST Low Rider® ST	Notes
Engine Torque Testing Method	J1349	
Engine Torque	128 ft-lb (174 Nm)	5
Engine Torque (rpm)	4,000	
Power	114 HP / 85 kW @ 5000 rpm	
Lean Angle Testing Method	J1168	
Lean Angle, Right (deg.)	31.3	
Lean Angle, Left (deg.)	31.3	

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, 48 Amp system (364 Watts @13 Volts, 900 rpm, 624 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 Buffett tail lamp	
Lights (as per country regulation), Front Signal Lights	LED Bullet Turn Signals	
Lights, Rear Turn Signals	LED Bullet Turn Signals	
Gauges	4-inch analog speedometer with digital gear, odometer, fuel level, ride modes, heated gear, traction control, ABS, TPMS, cruise control, clock, trip, range and tachometer indication	
Auxiliary Lamps	N/A	
Electric Power Outlet	USB C-Type , Output 5V at 2.4 Amp	
GPS System	N/A	
Reverse Gear	N/A	

Fuel Economy & CO₂ Emissions	FXLRST Low Rider® ST	Notes
Fuel Economy Testing Method	Estimated City/Hwy	

Fuel Economy	47 mpg (5 l/100 km)	
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Infotainment	FXLRST Low Rider® ST	Notes
Infotainment system	N/A	
Screen Size	N/A	
Type	N/A	
Watts Per Channel	N/A	
Speakers	N/A	
Speaker Size	N/A	
Headset Specifications (if equipped)	N/A	
AM	N/A	
FM	N/A	
MW	N/A	
LW	N/A	
Weather Band (WB)	N/A	
SD Card, Flash Drive and MP3 - via USB Connection	N/A	
Hands-free Mobile Phone - via Bluetooth	N/A	
Voice Recognition Languages: Phone functions only	N/A	
Rider/Passenger Intercom	N/A	
Vehicle Information Screen (Air temperature, oil pressure and EITMS)	N/A	
Text-to-Speech (TTS) Languages	N/A	
USB	N/A	
Phone Connectivity	N/A	
Bluetooth	N/A	
Navigation - via Bluetooth	N/A	

Rider Safety Enhancements	FXLRST Low Rider® ST	Notes
Anti-lock Brake System (ABS)	Included	
Electronic Linked Braking (ELB)	N/A	
Traction Control System (TCS)	Included	
Drag-torque Slip Control System (DSCS)	Included	

Vehicle Hold Control (VHC)	N/A	
Tire Pressure Monitoring System (TPMS)	Included	
Wheel Lift Mitigation	N/A	

Cornering Rider Safety Enhancements	FXLRST Low Rider® ST	Notes
Cornering Enhanced Anti-lock Brake System (C-ABS)	Included	
Cornering Enhanced Electronic Linked Braking (C-ELB)	N/A	
Cornering Enhanced Traction Control System (C-TCS)	Included	
Cornering Drag-Torque Slip Control System (C-DSCS)	Included	
Enhanced Lift Mitigation	N/A	

Warranty And Service	FXLRST Low Rider® ST	Notes
Warranty	24 months (unlimited mileage)	6
Service Interval	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter	7

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

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