

FLSTF FAT BOY® MODEL SPECIFICATIONS¹»



DIMENSIONS

Length	94.30 in. (2395.22 mm)
Overall Width	39.20 in. (995.68 mm)
Overall Height	44.50 in. (1130.30 mm)
Seat Height:	
• Laden²	25.40 in. (645.16 mm)
• Unladen	27.50 in. (698.50 mm)
Ground Clearance	5.10 in. (129.54 mm)
Rake (steering head)	31°
Fork Angle	31°
Trail	5.80 in. (147.32 mm)
Wheelbase	64.50 in. (1638.30 mm)
Tires (Dunlop® Harley-Davidson Series, radial blackwall front and rear):	
• Front – D408F	140/75R17 67V
• Rear – D407	200/55R17 78V

Fuel Capacity **5 gal.** (18.93 L)
(warning light at approximately 1 gal.)

Oil Capacity (w/filter) **3.50 qts.** (3.31 L)

Transmission Capacity **1 qts.** (0.95 L)

Primary Chain Case Capacity³ **1 qts.** (0.95 L)

Weight:

- As Shipped **694 lbs.** (314.80 kg)
- In Running Order **725.25 lbs.** (328.97 kg)
- Gross Vehicle Weight Rating **1160 lbs.** (526.18 kg)
- Gross Axle Weight Rating:
- Front **430 lbs.** (195.05 kg)
- Rear **730 lbs.** (331.13 kg)

ENGINE

Engine⁴	Air-cooled, Twin Cam 96B™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	3.75 in. x 4.38 in. (95.25 mm x 111.25 mm)
Displacement³	96 cu. in. (1584 cc)
Compression Ratio	9.2:1
Fuel System⁵	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper, washable
Lubrication System	Pressurized, dry-sump

DRIVETRAIN

Primary Drive	Chain, 34/46 ratio
Final Drive⁶	Belt, 32/66 ratio
Clutch	Multi-plate, wet
Transmission	6-Speed Cruise Drive®
Gear Ratios (overall):	U.S.
• 1st	9.311
• 2nd	6.454
• 3rd	4.793
• 4th	3.882
• 5th	3.307
• 6th	2.790

CHASSIS

Frame	Mild steel tubular frame; rectangular section backbone; stamped, cast, and forged junctions; forged fender supports; MIG welded
Swingarm	Mild steel, round tube sections, forged junctions; MIG welded
Front Forks	41.30 mm telescopic, “beer can” covers
Rear Shocks	Hidden, horizontal-mounted, coil-over
Wheels⁷ (Mirror Polished Chrome, Bullet Hole Disc Cast Aluminum, front and rear option):	Silver, Bullet Hole Disc Cast Aluminum
• Front	17 in. x 3.50 in. (431.80 mm x 88.90 mm)
• Rear	17 in. x 6 in. (431.80 mm x 152.40 mm)
Brakes:	
• Caliper Type	4-piston front and 2-piston rear
• Rotor Type (diameter x width):	Patented, uniform expansion rotors
• Front	11.50 in. x .20 in. (292.10 mm x 5.08 mm)
• Rear	11.50 in. x .23 in. (292.10 mm x 5.84 mm)

Suspension Travel:

- Front Wheel **5.10 in.** (129.54 mm)
- Rear Wheel **4.30 in.** (109.22 mm)

PERFORMANCE

Engine Torque (per SAE J1349):	
• North America	93.67 ft. lbs. @ 3000 rpm (127.0 Nm @ 3000 rpm)
Lean Angle (per SAE J1168):	
• Right	26.2°
• Left	27°
Fuel Economy (EPA urban/highway test)	35/54 mpg (6.72/4.36 L/100 km)

ELECTRIC

Battery (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 19-amp/hour, 270 cca
Charging	Three-phase, 38-amp system (439W @ 13V, 2000 rpm, 489W max power @ 13V)
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp (quartz halogen)	55-watt low beam, 60-watt high beam
• Tail/Stop Lights	8W/28W (5W/21W)
• Turn Signal Lights	28W (21W) self-canceling
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, security system⁸ (optional), 6-speed, low fuel warnings

WARRANTY

Warranty⁹	24 months (unlimited mileage)
Service Interval	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter

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 Primary case oil fill is 32 oz. or as needed to fill to bottom of diaphragm.

⁴ Recommended 91 octane or higher fuel (R+M)/2.

⁵ Standard and optional fuel systems may vary by country and region.

⁶ U.S. and HDI markets, except Japan: Belt, 32/64 ratio.

⁷ Standard and optional wheels may vary by country and region.

⁸ North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

⁹ See motorcycle owner's manual for complete details.