

NEW FAT BOY® S

FLSTFBS

Performance Cruiser with a Dark, Raw Attitude



Model shown in HDI configuration.

The vehicle models, configurations, options, and accessories pictured or otherwise described in this reference guide may not be available in all countries.



Markets: AUS, MEX, ENG, HDI, JPN

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MODEL OVERVIEW



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Harley-Davidson doubles down on emotional appeal and performance with the new Softail® Fat Boy® S model. We've taken the winning relevance of the Fat Boy® motorcycle and made it work harder by giving it an engine upgrade and a new dark design.

MODEL UNIQUE FEATURES

Style

- Black Bullet Hole Cast Aluminum Disc wheels, 17-inch front and rear
- Gloss black fork lowers
- Gloss black axle nut covers
- Gloss black headlamp trim ring
- Gloss black engine
- Fat Bob® fuel tank with Fat Boy® Lo tank medallion and gloss black console
- Gloss black handlebar
- Black brake lever and hydraulic clutch assemblies
- Black triple clamp, riser and handlebar clamp
- Black rotor carrier
- Black over/under shotgun exhaust with CVO™ Softail® Deluxe mufflers
- Hardtail styling with hidden horizontal rear shocks

MODEL UNIQUE FEATURES *(continued)*

Fit

- Low, narrow-cut seat
- Two-piece, two-up Softail® classic removable seat pillion
- Low-profile, ergonomic 31.7 mm internally-wired handlebar
- Full-length rider footboards with heel/toe shift levers
- Standard passenger footpegs

Function

- Electronic cruise control, standard
- Electronic throttle control
- Hydraulic clutch
- Tank-mounted electronic speedometer with odometer, time-of-day clock on odometer, dual tripmeter, RPM/gear display, fuel gauge with low-fuel warning light and countdown feature, low-oil pressure indicator light, engine diagnostics readout, LED indicator lights, 6-speed indicator light
- Self-canceling turn signal controls
- Start, engine cutoff, left/right turn signals, horn, hi/low beam, odometer trip switch and hazard warning hand controls
- Barrel key, tank console-mounted ignition; fork lock common with ignition key
- Electric power accessory connector under seat

MODEL UNIQUE FEATURES *(continued)*

Performance

- Rigid-mounted, Air-cooled, 1801 cc Screamin' Eagle® Twin Cam 110B™ engine
- Screamin' Eagle® ventilator
- 6-Speed Cruise Drive® transmission
- Electronic Sequential Port Fuel Injection (ESPFI) with heated O2 sensors
- Anti-lock Braking System (ABS)¹, standard
- Smart Security System² with proximity-based, hands-free security fob, standard

AVAILABLE OPTIONS

- Engine Idle Temperature Management Strategy (EITMS) (dealer-activated)
- Paint color options

¹ Harley-Davidson's independent Anti-lock Braking System is designed to help you maintain control during braking events, especially those that happen in less than optimum conditions. Engineering and styling worked together to make sure the system is not only designed and carefully tested to work superbly, but that it is also engineered not to interfere with style. ABS is standard on all 2016 Softail® motorcycles.

² North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

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MODEL SPECIFICATIONS¹



Specifications apply to all available markets unless noted.

DIMENSIONS	
Length	2385 mm (93.9 in.)
Overall Width	990 mm (39 in.)
Overall Height	1095 mm (43.1 in.)
Seat Height <i>(unladen)</i>	670 mm (26.4 in.)
Ground Clearance	125 mm (4.9 in.)
Rake <i>(steering head)</i>	31.6°
Fork Angle	31.6°
Trail	147 mm (5.8 in.)
Wheelbase	1630 mm (64.2 in.)
Tires <i>(Dunlop® Harley-Davidson® Series, radial blackwall front and rear):</i>	
• Front – D408F	140/75R17 67V
• Rear – D407	200/55R17 78V
Fuel Capacity	18.9 L (5 gal.) <i>(warning light at approximately 3.8 L)</i>
Oil Capacity <i>(w/filter)</i>	3.3 L (3.5 qts.)
Transmission Capacity	.95 L (1 qt.)
Primary Chain Case Capacity	.95 L (1 qt.)
Weight:	
• As Shipped	320 kg (705 lbs.)
• In Running Order	333 kg (734 lbs.)
• Gross Vehicle Weight Rating	526 kg (1160 lbs.)
• Gross Axle Weight Rating:	
• Front	195 kg (430 lbs.)
• Rear	331 kg (730 lbs.)
ENGINE	
Engine	Air-cooled, Twin Cam 110B™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	101.6 mm x 111.1 mm (4 in. x 4.374 in.)
Displacement	1801 cc (110 cu. in.)
Compression Ratio	9.2:1
Fuel System ²	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Ventilator intake with fiberglass media, washable exposed element with rain sock
Lubrication System	Pressurised, dry-sump

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/66 ratio
Clutch	Hydraulically actuated, 9-plate wet, with high-performance spring
Transmission	6-Speed Cruise Drive®
Gear Ratios <i>(overall):</i>	
• 1st	9.311
• 2nd	6.454
• 3rd	4.793
• 4th	3.882
• 5th	3.307
• 6th	2.79
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	41.3 mm telescopic, “beer can” covers
Rear Shocks	Hidden, horizontal-mounted, coil-over
Wheels ³ :	Black, Bullet Hole Disc Cast Aluminum
• Front	17 in. x 3.5 in. (432 mm x 89 mm)
• Rear	17 in. x 6 in. (432 mm x 152 mm)
Brakes:	
• Caliper Type	4-piston front and 2-piston rear
• Rotor Type <i>(diameter x width):</i>	Black, Split 7-spoke floating rotors
• Front	300 mm x 5 mm (11.8 in. x 0.2 in.)
• Rear	292 mm x 5.8 mm (11.5 in. x 0.23 in.)
• Anti-lock Braking System	Standard
Suspension Travel:	
• Front Wheel	130 mm (5.1 in.)
• Rear Wheel	86 mm (3.4 in.)
PERFORMANCE	
Engine Torque ⁴ :	146 Nm (107.7 ft-lb) @ 4000 RPM
Lean Angle <i>(per J1168):</i>	
• Right	25.6°
• Left	25.2°
Fuel Economy ⁵ <i>(EPA urban/highway test)</i>	5.5 L/100 km (43 mpg)

ELECTRIC	
Battery <i>(per Battery Council International Rating)</i>	Sealed, maintenance-free, 12V, 19-amp/hour, 315 cca
Charging	Three-phase, 38-amp system <i>(439W @ 13V, 2000 RPM, 489W max power @ 13V)</i>
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights <i>(as per country regulation):</i>	
• Headlamp <i>(Quartz Halogen)</i>	55-watt low beam, 60-watt high beam
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, security system ⁶ <i>(optional)</i> , 6-speed, low fuel warning, low battery, ABS
WARRANTY	
Warranty	24 months <i>(unlimited mileage)</i>
Service Interval ⁷	First 1600 km (1000 miles), every 8000 km (5000 miles) 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 (V-Rod® 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 Recommended 91 octane or higher fuel (R+M)/2.

³ Standard and optional wheels may vary by country and region.

⁴ Values shown are nominal. Performance may vary by country and region.

⁵ 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.

⁶ North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

⁷ Inspections of certain systems and components are required at 4000 km (2500 mile) intervals. See Owner's Manual for full details.

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COLORS/CALLOUTS



SOLIDS

Vivid Black

Black Denim *(shown)*

* Availability of colors may vary from dealer to dealer, and is subject to change without notice.

Model shown in Domestic configuration.

