



2002 SOFTAIL SPECIFICATIONS¹: FLSTF/I FAT BOY

DIMENSIONS

Length	2396 mm
Seat Height (measure laden w/ 82 kg rider)	647 mm
Ground Clearance	123,0 mm
Rake	32 degrees
Trail	147.3 mm
Wheelbase	1630 mm
Tyres: Dunlop Harley-Davidson Series II D402/D401	
Front	MT90B16 72H
Rear	MT90B16 74H
Fuel Capacity (includes 0.5 gal. reserve)	18.9 L
Reserve Fuel Capacity	1.9 L
Oil Capacity	3.3 L
Empty Weight	320 kg

ENGINE²

Engine	OHV Twin Cam 88B (balanced)
Valves	Pushrod-operated overhead valves; hydraulic self-adjusting lifters; two valves per cylinder
Bore and Stroke	95.3 x 101.6 mm
Displacement	1449 cc
Compression Ratio	8.8:1
Fuel System	Carburation (40 mm constant velocity with enrichener and accelerator pump); Electronic Sequential Port Fuel Injection (Single runner, 45 mm throttle bore ESPFI)
Air Cleaner/Filter	Elliptical style chrome with spun aluminium insert; high-efficiency, pleated paper filtration
Ignition	Single-fire, non-waste, map-controlled spark ignition system; electronic breakerless with multiple advance curve matrix
Lubrication System	Dry sump, internally mounted, crank driven gerotor pressure and dual scavenge pump with spin on 10µ pressurised oil filter

DRIVETRAIN

Primary Drive	Double-row chain; oil bath; mechanical tensioner; 25/36-tooth sprockets (1.44:1)
Final Drive	Gates aramid fibre reinforced Poly Chain belt; 32/70-tooth sprockets; 2.188:1
Clutch	Multi-plate with diaphragm spring in oil bath
Transmission	Five-speed, constant mesh
Gear Ratio:	
1st	3.21
2nd	2.21
3rd	1.57
4th	1.23
5th	1.00

CHASSIS

Frame	Mild steel, rectangular section backbone w/twin downtubes
Swing Arm	Tubular mild steel
Front Fork	Hydra Glide style
Wheels	16 in. front and rear disc wheels
Wheel Bearings	New dual-sealed, automotive-style, ball-type
Brakes:	
Calliper type	Four-piston front and rear
Rotor type (diameter):	Patented, Uniform Expansion Rotors
Front	292 mm
Rear	292 mm
Suspension travel:	
Front Wheel	129.5 mm
Rear Wheel	110.24 mm

PERFORMANCE

Engine Torque	Carb: 106 NM @ 3500 rpm, ESPFI: 105 NM @ 3000 rpm
Braking at 97 kph:	
Maximum load	48.8 m
Lean Angle (per SAEJ1168):	
Right	28.9 degrees
Left	28.7 degrees

ELECTRIC

Battery	Sealed, maintenance-free, 12-volt, 19 amp-hour, 270 cca (per Battery Council International rating)
Charging	481 watts @ 3,000 rpm, 494 watts peak
Starting	1.2 kW electric with Bendix-type engagement
Lights: (As per country regulation)	
Headlamp	Quartz halogen 55-watt low beam, 60-watt high beam
Tail/stop lights	5w/21w
Turn signal lights (self-cancelling)	21w
Running lights	Front turn signals (except where prohibited by law)
Indicator lamps	High beam, neutral, oil, turn signals, engine diagnostics, and security system (optional)

STYLING/CONVENIENCE

Engine Trim	Black and chrome
Exhaust System	Over/under shotgun duals
Oil Tank	Chrome "Horseshoe" with chrome external oil lines
Ignition	Barrel keyed
Handlebars	Wide FL-style
Seat	Panelled solo saddle with removable passenger seat
Passenger Backrest	Available Genuine Motor Accessories
Brake Lever	Full-length operator floorboards
Shift Lever	Heel-toe
Rear Fender Supports	Chrome
Fork Lock	Common with ignition key
Instruments	Electronic speedometer with odometer and resettable tripmeter w/diagnostic capabilities and solid state tell-tale indicator module
Flasher	Hazard warning integrated into turn signal controls

COLOURS³

Vivid Black, Diamond Ice Pearl, Jade Sunglo Pearl, Real Teal Pearl, White Pearl, Luxury Rich Red Concord Purple Pearl, Two-Tone Luxury Blue/Diamond Ice Two-Tone Luxury Rich Red/Vivid Black Real Red Pearl, Impact Blue, Two-Tone Real Red/Diamond Ice

SERVICING

Service Interval	First 1,600 Km; every 8,000 Km thereafter. – Inspections of certain systems and components are required at 4,000 Km intervals
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¹ Harley-Davidson reserves the right to discontinue models or change specifications at any time without incurring any obligations. Vehicle specifications may vary from country to country depending on local laws, and some models are not available in certain countries. EFI optional on all Softail models in North America; no models in Brazil, FLSTC, FLSTF, FXSTD, FLSTS in Japan, and FLSTC, FLSTF and FXSTD rest of world.

² Additional Twin Cam 88 specs available.

³ Availability may vary from dealer to dealer, and is subject to change without notice.