



# TRIKE

# FREEWHEELER® Model Specifications<sup>1</sup> FLRT

DIMENSIONS	
Length	<b>103 in.</b> (2615 mm)
Overall Width	<b>55.3 in.</b> (1405 mm)
Overall Height	<b>45.3 in.</b> (1150 mm)
Seat Height:	
• Laden <sup>2</sup>	<b>26.2 in.</b> (665 mm)
• Unladen	<b>27.6 in.</b> (700 mm)
Ground Clearance	<b>4.9 in.</b> (125 mm)
Rake (steering head)	26°
Fork Angle	32.2°
Trail	<b>3.96 in.</b> (101 mm)
Wheelbase	<b>65.7 in.</b> (1670 mm)
Tires (Dunlop® Harley-Davidson® Series, bias blackwall front and radial blackwall rear):	
• Front – D408F	MT 130/60B19 M/C 61H
• Rear – Signature	P205/65R15
Fuel Capacity	<b>6 gal.</b> (22.7 l)
(warning light at approximately 1 gal.)	
Oil Capacity (w/filter)	<b>5 qt.</b> (4.7 l)
Transmission Capacity	<b>1.1 qt.</b> (1 l)
Primary Chain Case Capacity <sup>3</sup>	<b>1.1 qt.</b> (1 l)
Weight:	
• As Shipped	<b>1085 lb.</b> (492 kg)
• In Running Order	<b>1118 lb.</b> (507 kg)
• Gross Vehicle Weight Rating	<b>1700 lb.</b> (771 kg)
• Gross Axle Weight Rating	
• Front	<b>511 lb.</b> (232 kg)
• Rear	<b>1188 lb.</b> (539 kg)
Luggage Capacity:	
• Volume	<b>2 cu. ft.</b> (0.06 m <sup>3</sup> )
ENGINE	
Engine	Milwaukee-Eight® 114
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder
Bore x Stroke	<b>4.016 in. x 4.5 in.</b> (102 mm x 114 mm)
Displacement	<b>114 cu. in.</b> (1868 cc)
Compression Ratio	10.5:1
Fuel System <sup>4</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper, washable
Exhaust	Shorty slash down-style chrome finish mufflers
Lubrication System	Pressurized, dry-sump with fan-assisted oil cooler

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 30/70 ratio
Clutch	Hydraulically actuated 10 plate, wet Assist & Slip
Transmission	6-Speed Cruise Drive
Gear Ratios (overall):	<b>U.S.</b>
• 1st	<b>10.534</b>
• 2nd	<b>7.302</b>
• 3rd	<b>5.423</b>
• 4th	<b>4.392</b>
• 5th	<b>3.741</b>
• 6th	<b>3.157</b>
CHASSIS	
Frame	Mild steel, square-section backbone with twin downtubes
Swingarm	Mild steel, rectangular tube sections with plate junctions; MIG welded
Front Forks	49 mm dual bending valve
Rear Shocks	Premium hand-adjustable emulsion rear suspension
Wheels <sup>4</sup> :	Enforcer Cast Aluminum
• Front	<b>19 in. x 3.5 in.</b> (483 mm x 89 mm)
• Rear	<b>15 in. x 5.5 in.</b> (381 mm x 140 mm)
Brakes:	
• Caliper Type	Front: 32 mm 4 piston fixed Rear: floating 36 mm piston integrated park brake
• Rotor Type (diameter x width):	Dual floating rotors (front), fixed rotor (rear)
• Front (dual)	<b>11.8 in. x .2 in.</b> (300 mm x 5.1 mm)
• Rear	<b>10.6 in. x .24 in.</b> (270 mm x 6 mm)
• Anti-Lock Braking System	Standard
Suspension Travel:	
• Front Wheel	<b>4.6 in.</b> (117 mm)
• Rear Wheel	<b>3 in.</b> (76 mm)
PERFORMANCE	
Engine Torque <sup>5</sup> (per J1349):	
• North America	<b>122 ft. lb. @ 2250 rpm</b> (165 Nm @ 2250 rpm)
Fuel Economy <sup>6</sup> (Estimated City/Hwy)	<b>43 mpg</b> (5.5 l/100 km)

ELECTRIC	
Battery (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 28-amp/hour, 405 cca
Charging	Three-phase, 48-amp system (600W @ 13V, 2000 rpm, 625W max power @ 13V)
Starting	1.6 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation):	
• Headlamp (Dual Halogen)	Dual halogen headlight 55-watt 625 lumen low beam, 65-watt 1,570 lumen high beam with switchable 26 watt 440 lumen halogen fog lights. Total of 986 lumen output at low beam with fog lights
• Tail/Stop Lights	Two @ 8W/28W
• Front Signal Lights	8W/28W
• Indicator Lamps	High beam, running lights, battery, neutral, low oil pressure, engine diagnostics, cruise control, security system <sup>7</sup> , gear indicator, low fuel warning, reverse, park brake
Gauges	Speedometer, fuel gauges; display features odometer, trip A, trip B, range to empty, and gear indicator
Reverse Gear	Electric reverse actuated by handlebar mounted hand controls
WARRANTY	
Warranty <sup>8</sup>	24 months (unlimited mileage)
Service Interval <sup>9</sup>	First <b>1000 miles</b> (1600 km), every <b>5000 miles</b> (8000 km) thereafter

<sup>1</sup> 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.

<sup>2</sup> Measurement reflects 180 lb. (81.7 kg) operator weight.

<sup>3</sup> Recommended 91 octane or higher fuel (R+M)/2.

<sup>4</sup> Standard and optional wheels may vary by country and region.

<sup>5</sup> Values shown are nominal. Performance may vary by country and region.

<sup>6</sup> 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.

<sup>7</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

<sup>8</sup> See motorcycle Owner's Manual for complete details.

<sup>9</sup> Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner's Manual for full details.