

Model Year 2023 | Freewheeler®

Dimensions

FLRT Freewheeler®

Notes

Length

103 in. (2,615 mm)

Overall Width

55.3 in. (1,405 mm)

Overall Height

45.3 in. (1,150 mm)

Seat Height, Laden

26.2 in. (665 mm)

2

Seat Height, Unladen

27.6 in. (700 mm)

Static Ground Clearance

4.9 in. (125 mm)

Rake (steering head) (deg)

26

Fork Angle (deg)

32.2

Trail

3.96 in. (101 mm)

Wheelbase

65.7 in. (1,670 mm)

Tires, Type

Dunlop® Harley-Davidson Series, bias blackwall front and radial blackwall rear

Tires, Front Model

D408F

Tires, Front Specification

MT 130/60B19 M/C 61H

Tires, Rear Model

TK100

Tires, Rear Specification

P215/45R18 83T

Fuel Capacity

6 gal. (22.7 l)

Reserve Fuel Capacity, Fuel Injection (warning light)

1 gal. (3.8 l)

Oil Capacity (w/filter)

5 qt. (4.7 l)

Transmission Capacity

1.1 qt. (1 l)

Primary Chain Case Capacity

1.1 qt. (1 l)

Coolant Capacity

N/A

Weight, As Shipped

1,074 lb. (488 kg)

Weight, In Running Order

1,110 lb. (504 kg)

Gross Vehicle Weight Rating

1,700 lb. (771 kg)

Gross Axle Weight Rating, Front

511 lb. (232 kg)

Gross Axle Weight Rating, Rear

1,189 lb. (539 kg)

Luggage Capacity -Volume

2 cu ft (0.06 m³)

Engine

FLRT Freewheeler®

Notes

Engine

Milwaukee-Eight® 114

Valves

Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder

Bore

4.016 in. (102 mm)

Stroke

4.5 in. (114.3 mm)

Displacement

114 cu in (1,868 cc)

Compression Ratio

10.5:1

Fuel System

Electronic Sequential Port Fuel Injection (ESPFI)

3

Air Cleaner

Paper, washable

Exhaust

Shorty slash down-style chrome finish mufflers

Lubrication System

Pressurized, dry-sump with fan-assisted oil cooler

Drivetrain

FLRT Freewheeler®

Notes

Primary Drive

Chain, 34/46 ratio

Final Drive

Belt, 30/70 ratio

Clutch

Mechanically actuated 10 plate, wet Assist & Slip

Transmission

6-Speed Cruise Drive

Gear Ratios

10.534

Gear Ratios

7.302

Gear Ratios

5.423

Gear Ratios

4.392

Gear Ratios

3.741

Gear Ratios

3.157

Chassis

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Notes

Frame

Mild steel, square-section backbone with twin downtubes

Swingarm

Mild steel, rectangular tube sections with plate junctions; MIG welded

Front Fork

49mm dual bending valve

Rear Shocks

Hand-adjustable emulsion rear suspension

Wheels, Optional Style Type

N/A

4

Wheels, Front Type

Cast aluminum

4

Wheels, Front Width

3.5 in. (89 mm)

Wheels, Front Height

19 in. (483 mm)

Wheels, Rear Type

Cast aluminum

4

Wheels, Rear Width

5.5 in. (140 mm)

Wheels, Rear Height

18 in. (457 mm)

Brakes, Caliper Type

Front: 32mm 4 piston fixed, Rear: floating 36mm piston integrated park brake

Brakes, Rotor Type

Dual floating rotors (front), fixed rotor (rear)

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

10.6 in. (270 mm)

Brakes, Rear Thickness

0.24 in. (6 mm)

Brakes, Anti-Lock Braking System (ABS)

Standard

Suspension Travel, Front

4.6 in. (117 mm)

Suspension Travel, Rear

3 in. (76 mm)

Performance

FLRT Freewheeler®

Notes

Engine Torque Testing Method

J1349

Engine Torque

122 ft-lb (165 Nm)

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Engine Torque

2,750

Power

90 HP / 67 kW @ 4750 rpm

Lean Angle Testing Method

N/A

Lean Angle, Right (deg.)

N/A

Lean Angle, Left (deg.)

N/A

Fuel Economy Testing Method

Estimated City/Hwy

Fuel Economy

43 mpg (5.5 l/100 km)

6

CO² Emissions Testing Method

N/A

CO² Emissions

N/A

Electric

FLRT Freewheeler®

Battery

Sealed, maintenance-free, 12V, 28-amp/hour, 405 cca (per Battery Council International Rating)

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 headlight 55-watt 625 lumen low beam, 65-watt 1,570 lumen high beam.

Lights (as per country regulation), Tail/Stop

Incandescent

Lights (as per country regulation), Front Signal Lights

Incandescent

Lights, Rear Turn Signals

Incandescent

Gauges

Speedometer, tachometer, fuel, and voltage gauges; display features odometer, trip A, trip B, range to empty, gear indicator

Auxiliary Lamps

N/A

Electric Power Outlet

N/A

GPS System

N/A

Reverse Gear

Electric reverse actuated by handlebar mounted hand controls

Warranty And Service

FLRT Freewheeler®

Notes

Warranty

24 months (unlimited mileage)

7

Service Interval

First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter

8

Footnotes

FLRT Freewheeler®

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

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.

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See motorcycle owner's manual for complete details.

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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