

Level 3 Step-Through Ebike Specifications

General Info

Model	Level 3 Step-Through Ebike
Weight	67lbs
Total Weight Limit	300 lbs
Box Size	61"x13"x34"
Rider Height	4'11" - 6'1"
Ebike Class	Class 2 Ebike
Range	Up to 70 Miles
Battery Safety Certifications	Certified to UL 2271
Safety Certifications	UL Safety Certified UL 2849
Ideal Use	Commuting
Pedal Assist	3 Levels (with Ride Tune Customization)
Water Resistance	Bike - IPX5 // Components - IPX6

Frameset

Frame	6061 Aluminum, Gravity Cast Front Triangle
Fork	Aventon Suspension Fork, 80mm travel, w/ lockout, coil spring. 15x100mm thru-axle, 43mm offset
Rear Spacing	142mm
Fork Spacing	110mm
Frame Style	Step-Through

Wheelset

Front Wheel	27.5in, 13g, 36hole, double wall Aluminum, Thru axle, Schrader Valve, black
Rear Wheel	27.5in, 12g, 36hole, double wall Aluminum, Nuted Hub Drive Motor, Schrader Valve, black
Tires	Kenda Kwick Seven-5 Sport K1052-006 27.5 x 2.20

Ebike System

Motor	36V, 500W (sustained), 864W (peak)
Motor Torque	60Nm
Display	Aventon BC280

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Battery	Removable Internal Lithium-ion. 36V, 20Ah, 733Wh, LG 21700 cells
Battery Weight	8.7lbs
Controller	36V, 24A
Throttle	Aventon LH Handlebar Mounted
Sensors	Double Sided Bottom Bracket Torque Sensor
Charger	36V Output: 42V/4A
Charging time from 0% to 100%	5 hours
Lights	Front and rear lights integrated
Speed	Class 2

Brakes

Front Brake	Magura AT-2 Hydraulic disc brake / Tektro HD-E3520 hydraulic disc brakes w/ EJ1 quick disconnect wire
Rear Brake	Magura AT-2 Hydraulic disc brake / Tektro HD-E3520 hydraulic disc brakes w/ EJ1 quick disconnect wire
Front Brake Rotor	Magura MDR-A 180mm 6 Bolt Rotor / Tektro 180mm 6 Bolt Rotor
Rear Brake Rotor	Magura MDR-A 180mm 6 Bolt Rotor / Tektro 180mm 6 Bolt Rotor

Drivetrain

Rear Derailleur	Shimano Altus RD-M310
Shifter	Shimano 8 Speed Trigger SL-M315-8R
Chain	7/8 speed 120L
Cassette	12-32T / 8 Speed Shimano CS HG200-8
Chainring	48T
Crankset	3pc, 170mm crank arm
Bottom Bracket	Square Taper, Sealed, double sided Torque Sensor 83mmx158.5mm
Pedals	9/16" Composite Platform

Cockpit

Saddle	Aventon Saddle
Seatpost	30.9mm Aventon Suspension Seatpost with 50mm travel
Seatpost Clamp	34.9mm
Handlebars	Aluminum 31.8mm, 680mm

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Grips	Aventon Lock on grips
Headset	Sealed Bearing Headset

Included Accessories

Rear Rack Weight Limit	60lbs
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Technical Overview

The Level 3 comes out of the box as a Class 2 ebike, with pedal assist and throttle. It can be unlocked to a Class 3 ebike. The Level 3 will also operate with the throttle unplugged and removed, should you want to ride in an area where throttles are prohibited or only Class 1 bikes are permitted. Aventon ebikes are built to the IPX5-rated standard. An IPX5 rating means the bike is protected against low-pressure water jets from any direction. This provides a moderate level of water resistance, allowing you to ride in light to moderate rain or through small puddles. However, IPX5 does not mean waterproof - Aventon ebikes are not designed for full submersion. Avoid using a pressure washer or high-pressure sprayer to clean your ebike, as pressurized water can still damage components. *Max range determined using PAS 1 throughout flat terrain with a rider weight of 160 lb.*