

ELLIPTIGO® BIKE SPECIFICATIONS

	STAND UP BIKE		COMPACT-STRIDE BIKES		LONG-STRIDE BIKES		
	SUB	MSUB	ARC 3	ARC 8	3C	8C	11R
Performance							
Climbing Activity	Climb steep hills up to 20-30% grade	Climb steep hills up to 20-30% grade	Climb mild hills of up to 5% grade	Climb steep hills up to 20-30% grade	Climb mild hills of up to 5% grade	Climb steep hills up to 20-30% grade	Climb steep hills up to 20-30% grade
Recommended Riding Terrain	Road	Off road, road	Road	Road	Road	Road	Road
Cruising Speed	12-15 mph (20-24 kph)	12-15 mph (20-24 kph)	12-15 mph (20-24 kph)	12-15 mph (20-24 kph)	12-15 mph (20-24 kph)	12-15 mph (20-24 kph)	12-15 mph (20-24 kph)
Sprinting Speed	20+ mph (32+ kph)	20+ mph (32+ kph)	20+ mph (32+ kph)	20+ mph (32+ kph)	20+ mph (32+ kph)	20+ mph (32+ kph)	20+ mph (32+ kph)
Workout Resistance Selection	8 different levels of resistance. 309% total resistance range. 18% difference between levels	10 different levels of resistance. 382% total resistance range. 16% difference between levels	3 different levels of resistance. 177% total resistance range. 33% difference between levels	8 different levels of resistance. 309% total resistance range. 18% difference between levels	3 different levels of resistance. 177% total resistance range. 33% difference between levels	8 different levels of resistance. 306% total resistance range. 17% difference between levels	11 different levels of resistance. 409% total resistance range. 15% difference between levels
System Specifications							
Wheelbase	46.6" (118cm)	47.2" (120cm)	52.6" (134cm)	52.6" (134cm)	54" (137cm)	54" (137cm)	54" (137cm)
Total Length	66" (168cm)	74.8" (190cm)	72" (183 cm)	72" (183 cm)	74" (188.0 cm)	74" (188.0 cm)	74" (188.0 cm)
Weight	28.8 lbs (13.0 kg)	34.6 lbs (15.7 kg)	37.6 lbs (17.1 kg)	36.8 lbs (16.7 kg)	41.8 lbs (19.0 kg)	43.7 lbs (19.8 kg)	39.4 lbs (17.9 kg)
Operating Height	48.5-54.5" (123-138cm)	45.3-51.6" (115-131cm)	50-56" (127-142 cm)	50-56" (127-142 cm)	50-56" (127-142 cm)	50-59" (127-150 cm)	50-59" (127-150 cm)
Storing Height (with front wheel)	45.5" (116 cm) with steering extender	45.3" (115 cm) with steering extender	47.0" (119 cm) with steering extender	47.0" (119 cm) with steering extender	47.0" (119 cm) with steering extender	50.0" (127 cm) with steering extender	52.1" (132 cm) with steering unfolded
Storing Height (no front wheel)	24.5" (62 cm) without steering extender	30.3" (77 cm) without steering extender	24.5" (62 cm) without steering extender	24.5" (62 cm) without steering extender	24.5" (62 cm) without steering extender	24.5" (62 cm) without steering extender	26.4" (67 cm) steering folded
Crank Length	5.9" (150mm)	5.9" (150mm)	6.8" (175mm)	6.8" (175mm)	6.75 - 10.5" (171 - 267mm)	6.75 - 10.5" (171 - 267mm)	6.75 - 10.5" (171 - 267mm)
Total Gear Range	309%	382%	177%	309%	177%	306%	409%
Avg Gear Step	18%	16%	33%	18%	33%	17%	15%
Gear Ratio Range	1.8 - 5.4	.93 - 3.5	3.0 - 5.3	1.8 - 5.4	3.0 - 5.3	1.7 - 5.4	1.5 - 6.2
Gear Inch Range	34 - 105	26 - 99	58 - 103	34 - 105	58 - 103	34 - 103	29 - 120
Stride Length	11.8" (30 cm)	11.8" (30 cm)	13.8" (35 cm)	13.8" (35 cm)	16 - 25" (41-64 cm)	16 - 25" (41-64 cm)	16 - 25" (41-64 cm)
Stride Height	11.8" (30 cm)	11.8" (30 cm)	9.4 - 11.8" (24-30 cm)	9.4 - 11.8" (24-30 cm)	2.5 - 5.8"	2.5 - 5.8"	2.5 - 5.8"

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	SUB	MSUB	ARC 3	ARC 8	3C	8C	11R
Components							
Front and Rear Brakes	Linear pull rim brakes	Mechanical Disk brakes	Linear pull rim brakes	Linear pull rim brakes	Linear pull rim brakes	Linear pull rim brakes	Avid Single Digit 7 linear pull rim
Grips	Clamp on anti-rotation, with Ergonomic shelf	Clamp on anti-rotation, with Ergonomic shelf	Clamp on anti-rotation, with Ergonomic shelf	Clamp on anti-rotation, with Ergonomic shelf	Velo ergonomic grips	Ergon GP5 multi-position	Ergon GP5 multi-position
Cranks	Custom forged aluminum	Custom forged aluminum	Custom forged aluminum	Custom forged aluminum	Custom forged aluminum with VSL	Custom forged aluminum with VSL	Custom forged aluminum with VSL
Frame	6061-T6 Aluminum	6061-T6 Aluminum	6061-T6 Aluminum	6061-T6 Aluminum	7005-T6 Aluminum	7005-T6 Aluminum	7005-T6 Aluminum
Fork	20" butted chro-moly with 1.5" steerer	Air suspension Fork, 100mm travel, variable damping	20" butted chro-moly with 1.5" steerer	20" butted chro-moly with 1.5" steerer	20" butted chro-moly with 1.5" steerer	20" butted chro-moly with 1.5" steerer	20" butted chro-moly with 1.5" steerer
Brake Levers	Two finger levers	Two finger levers	Two finger levers	Two finger levers	Two finger levers	Two finger levers	Two finger levers
Propulsion System	Circular Drive	Circular Drive	Compact Elliptidrive Technology	Compact Elliptidrive Technology	Patented Elliptidrive Technology	Patented Elliptidrive Technology	Patented Elliptidrive Technology
Drive Arms/Pedals	N/A	N/A	Chromoly Steel with composite nylon foot platform	Chromoly Steel with composite nylon foot platform	Aluminum with composite nylon foot	Aluminum with composite nylon foot	Multi-modulus carbon-fiber monococque
Track System	N/A	N/A	Sealed Rocker System	Sealed Rocker System	Integral with modular inserts	Integral with modular inserts	Integral with modular inserts
Chainring	60-tooth, 130 BCD, 6061 - T6 aluminum	39-tooth, 130 BCD, 6061 - T6 aluminum	60-tooth, 130 BCD, 6061 - T6 aluminum	60-tooth, 130 BCD, 6061 - T6 aluminum	52-tooth, 130 BCD, 6061 - T6 aluminum	53-tooth, 130 BCD, 6061 - T6 aluminum	52-tooth, 130 BCD, 6061 - T6 aluminum
Cassette	8-speed 11-34 tooth range	10-speed 11-42 tooth range	N/A Uses Sprocket	8-speed 11-34 tooth range	N/A Uses Sprocket	N/A Uses Sprocket	N/A Uses Sprocket
Bottom Bracket	Oversized M48, isis spline, sealed bearings	Oversized M48, isis spline, sealed bearings	Oversized M48, isis spline, sealed bearings	Oversized M48, isis spline, sealed bearings	Isis drive, sealed bearings	Isis drive, sealed bearings	Isis drive, sealed bearings
Sprocket	N/A - Uses Cassette	N/A - Uses Cassette	15-tooth	N/A - Uses Cassette	13-tooth	16-tooth	18-tooth
Hub	Alloy freewheel hub	Alloy freewheel hub	Sturmey Archer 3-speed hub	Alloy freewheel hub	Sturmey Archer 3-speed hub	Shimano 8-speed internally-geared hub	Shimano 11-speed internally-geared hub
Steering Column	Adjustable height index locking	Adjustable height index locking	Adjustable height index locking	Adjustable height index locking	Adjustable height index locking	Adjustable height index locking	Folding, roto-lock safety technology
Steering Extender	Chro-moly steel, anti-rotation indexing	Chro-moly steel, anti-rotation indexing	Chro-moly steel, anti-rotation indexing	Chro-moly steel, anti-rotation indexing	Chro-moly steel, anti-rotation indexing	Chro-moly steel, anti-rotation indexing	Forged Aluminum, anti-rotation indexing

	STAND UP BIKES		COMPACT-STRIDE BIKES		LONG-STRIDE BIKES		
	SUB	MSUB	ARC 3	ARC 8	3C	8C	11R
Components							
Headset	1.5" threadless	1.5" threadless	1.5" threadless	1.5" threadless	1.5" threadless	1.5" threadless	1.5" threadless
Kickstand	Single leg, forged aluminum kickstand	Single leg, forged aluminum kickstand	Single leg, forged aluminum kickstand	Single leg, forged aluminum kickstand	Dual leg, forged aluminum kickstand	Dual leg, forged aluminum kickstand	Dual leg, forged aluminum kickstand
Tires	Kenda Kwest, 20" x 1.5" 60TPI, 100-psi	Kenda Honey Badger, 27.5" x 2.2" 60TPI, 50-psi	Kenda Kwest, 20" x 1.5" 60TPI, 100-psi	Kenda Kwest, 20" x 1.5" 60TPI, 100-psi	Kenda Kwest, 20" x 1.5" 60TPI, 100-psi	Kenda Kwest, 20" x 1.5" 60TPI, 100-psi	Schwalbe Marathon Racer, 20"x1.5", 85-psi
Handlebar	Alu. MTB riser bar, 50 mm x 670mm	Alu. MTB Flat bar, 31.8mm dia x 720mm wide	Alu. MTB riser bar, 50 mm x 670mm	Alu. MTB riser bar, 50 mm x 670mm	Alu. MTB riser bar, 50 mm x 670mm	Alu. MTB riser bar, 50 mm x 670mm	Alu. MTB riser bar, 50 mm x 670mm
Stem	Forged aluminum, 80mm x 7 deg.	Forged aluminum, 31.8mm dia bar, 80mm x 7 deg	Forged aluminum, 80mm x 7 deg.	Forged aluminum, 80mm x 7 deg.	Forged aluminum, 120mm x 7 deg.	Forged aluminum, 120mm x 7 deg.	Forged aluminum, 120mm x 7 deg.
Shifter	8-speed trigger	10-speed trigger	Sturmey Archer S30 trigger shifter	8-speed trigger	Sturmey Archer S30 trigger shifter	Shimano Alfine SL-S500 trigger shifter	Shimano Alfine SL-S700 trigger shifter
Front Wheel	20" aluminum aero profile rim, 28-spoke	27.5" aluminum, tubeless ready, 32-spoke	20" aluminum aero profile rim, 28-spoke	20" aluminum aero profile rim, 28-spoke	20" aluminum aero profile rim, 28-spoke	20" aluminum aero profile rim, 28-spoke	20" aluminum aero profile rim, 28-spoke
Rear Wheel	20" aluminum aero profile rim, 32-spoke	27.5" aluminum, tubeless ready, 32-spoke	20" aluminum aero profile rim, 32-spoke	20" aluminum aero profile rim, 32-spoke	20" aluminum aero profile rim, 32-spoke	20" aluminum aero profile rim, 32-spoke	20" aluminum aero profile rim, 32-spoke