

# ElliptiGO Product Comparison Matrix

Fall 2011

ElliptiGO 3C





ElliptiGO 8C



ElliptiGO 11R



Quick Comparison			
Gears/Speeds	3		8
Colors	 Black, Green and Orange		 Black
Transport/Storage	- Removable Steering Extender - Removable Front Wheel		- Foldable Steering Extender - Removable Front Wheel
Grips	Velo ergonomic grips		Ergon GC3 multi-position ergonomic grips with integral bar ends
Weight	42 lbs (19.1 kg)		44 lbs (20 kg)
Climbing Ability	Mild hills (up to 5% grade)		Steep hills (up to 20-30% grade)
Workout Resistance Selection	- 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
Price	\$1,799		\$2,399
System Specifications			
Wheelbase	54" (137 cm)		
Total Length	75" (190.5 cm)		
Weight	42 lbs (19.1 kg)	44 lbs (20 kg)	39.4 lbs (17.9 kg)
Operating Height	50-58" (127-147 cm)		
Storing Height (with front wheel)	32" (81 cm) with steering extender removed		35" (89 cm)
Storing Height (no front wheel)	27" (70 cm) with steering extender removed		27" (70 cm)
Stride Length	16-25" (41-64 cm)		
Crank Length	6.75 - 10.5" (171 - 267mm)		
Gears/Speeds	3	8	11
Total Gear Range	177%	306%	409%
Avg Gear Step	33%	17%	14%
Gear Ratio Range	.75 - 1.33	.527 - 1.615	.527 - 2.153
Gear Inch Range	58 - 103	33 - 102	29 - 118
Gain Ratio Range	2.8 - 7.6	1.6 - 7.5	1.4 - 5.6
Components/Features			
Frame	7005-T6 Aluminum		
Fork	20" butted chro-moly with 1.5" seerer tube		
Propulsion System	Patented <i>Elliptidrive</i> technology		
Track System	Integral with modular inserts (patent pending)		
Drive arms	Aluminum with composite nylon foot platform	Multi-modulus carbon-fiber monococque	
Crank	Custom forged aluminum with <i>Variable Stride Length (VSL)</i> technology (patent pending)		
Chaining	52- tooth, 130 BCD, 6061-T6 aluminum	53-tooth, 130 BCD, 6061-T6 aluminum	52- tooth, 130 BCD, 6061-T6 aluminum
Sprocket	13-tooth	16-tooth	18-tooth
Hub	Sturmey Archer R-SRF 3, 3-speed internally-gear hub	Shimano Alfine SG-S501, 8-speed internally-gear hub	Shimano Alfine SG-S700, 11-speed internally-gear hub
Bottom Bracket	Isis drive, sealed bearings		
Steering Column	Removable and telescopically adjustable with height index locking		Folding and telescopically adjustable with <i>roto-lock</i> safety technology
Steering Extender	butted chro-moly steel with anti-rotation indexing		forged aluminum with anti-rotation indexing
Headset	1.5" threadless		
Stem	Forged aluminum, 120mm x 7 deg.		
Handlebar	Aluminum MTB riser bar, 50 mm rise, 670mm wide		
Grips	Velo ergonomic grips	Ergon GC3 multi-position ergonomic grips with integral bar ends	Ergon GC3 multi-position ergonomic grips with integral bar ends
Shifter	Sturmey Archer S30 trigger shifter	Shimano Alfine SL-S500 trigger shifter	Shimano Alfine SL-S700 trigger shifter
Brake Levers	Avid FR5, two finger levers		Avid Speed Dial 7, two finger levers
Front and Rear Brakes	Linear pull rim brakes		

**ELLIPTIGO Product Comparison Matrix**  
Fall 2011

	ELLIPTIGO 3C	ELLIPTIGO 8C	ELLIPTIGO 11R
<b>Front Wheel</b>		20" aluminum aero profile rim, 28-spoke	
<b>Rear Wheel</b>		20" aluminum aero profile rim, 32-spoke	
<b>Tires</b>		Kenda Kwest, 20" x 1.5" 60TPI, 100-psi	
<b>Kickstand</b>		Dual leg, forged aluminum kickstand	
<b>Performance</b>			
<b>Cruising Speed</b> (flat terrain)	15 mph (24 kph)		
<b>Sprinting Speed</b> (flat terrain)	23+ mph (37+ kph)		
<b>Recommended Riding Terrain</b>	Flat terrain and mild hills	Flat and hilly terrain	Flat and hilly terrain
<b>Climbing Ability</b>	Can climb mild hills of up to 5% grade	Can climb steep hills up to 20-30% grade	Can climb steep hills up to 20-30% grade
<b>Workout Resistance Selection</b>	- 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 - 14% difference between levels
<b>Cadence vs. Speed</b>	See Cadence vs. Speed Chart below		

**Cadence vs. Speed Chart**



Crank RPM (Cadence) as a Function of Vehicle Speed for the Elliptigo

