

endorphin 650 Performance Mid Racer

frame kit		weight (g)
main frame	endorphin 650 AL 7020 T6, made in Italy	2200
boom	AL 7020 T6, L 400 mm, made in Italy	400
rear frame	road hub width 130 mm, 650c caliper brake	
fork	Carbon 650c	540
seat	Morpheus AL 7020 T6 adjustable, made in Italy	920
seatpost	Y-post AL CNC, made in Italy	120
stem	Telescopic AL 7020 T6, made in Italy	260
handlebar	Aluminium L 450 mm	190
headset	integrated 1"1/8 45°	60
drive idler	Diam. 68 mm	30
return idler	Diam. 50 mm	50
bolts	inox	180
colors	black / white	
tot weight		4950

geometry	
wheels size	650c (571)
wheelbase	1150 mm (45,3")
head tube angle	73°
seat angle	20°- 35°
seat height	485 - 505 mm (19,1"-19,9")
bracket height	725 mm (28,5")
standard size	X-seam 95 - 118 cm (37,4" - 46,5")

endorphin RED		weight (g)		
crank	SRAM RED Exogram Carbon 53-39 / 50-34			609
bracket	SRAM GXP BlackBox Ceramic BSA			105
cassette	SRAM XG 1090 X-Dome 10 speed 11-28			135
rear derailleur	SRAM RED Carbon-Titanium short cage			145
front derailleur	SRAM RED Yaw technology			74
shifters	SRAM Double Tap			180
chain	SRAM PC 1091R PowerLock 10 speed			563
brakes	Tektro Time Trial R725			340
brake levers	SRAM BL 700			150
tyres	Schwalbe Ultremo ZX 650x23C V-Guard RaceStar			370
tubes	Schwalbe SV 11A			190
wheels	rims Mavic Open Pro hubs DT Swiss 240S	1444		
wheels	rims Mavic Open Pro hubs Shimano DuraAce		1632	
wheels	rims Mavic Open Pro hubs Shimano Ultegra			1763
tot weight		9255	9443	9574

endorphin FORCE		weight (g)		
crank	SRAM Force Carbon 53-39 / 50-34			791
bracket	SRAM GXP BSA			
cassette	SRAM PG 1070 10 speed 11-28 / 11-32			210
rear derailleur	SRAM Force WiFLi mid cage Max 32T			190
front derailleur	SRAM Force			88
shifters	SRAM Double Tap			180
chain	SRAM PC 1071 10 speed			660
brakes	Tektro Time Trial R725			340
brake levers	SRAM BL 700			150
tyres	Schwalbe Ultremo ZX 650x23C V-Guard RaceStar			370
tubes	Schwalbe SV 11A			190
wheels	rims Mavic Open Pro hubs DT Swiss 240S	1444		
wheels	rims Mavic Open Pro hubs Shimano DuraAce		1632	
wheels	rims Mavic Open Pro hubs Shimano Ultegra			1763
tot weight		9563	9751	9882

endorphin RIVAL		weight (g)		
crank	SRAM Rival 53-39 / 50-34			830
bracket	SRAM GXP BSA			
cassette	SRAM PG 1050 10 speed 11-28 / 11-32			299
rear derailleur	SRAM Rival mid cage Max 32T			191
front derailleur	SRAM Rival			88
shifters	SRAM Double Tap			180
chain	SRAM PC 1051 10 speed			660
brakes	Tektro Time Trial R725			340
brake levers	SRAM BL 700			150
tyres	Schwalbe Ultremo ZX 650x23C V-Guard RaceStar			370
tubes	Schwalbe SV 11A			190
wheels	rims Mavic Open Pro hubs Shimano DuraAce	1632		
wheels	rims Mavic Open Pro hubs Shimano Ultegra		1763	
wheels	rims Mavic Open Pro hubs Shimano 105			1764
tot weight		9880	10011	10012

endorphin APEX		weight (g)		
crank	SRAM Apex 53-39 / 50-34			890
bracket	SRAM GXP BSA			
cassette	SRAM PG 1050 10 speed 11-28 / 11-32			299
rear derailleur	SRAM Apex WiFLi mid cage Max 32T			210
front derailleur	SRAM Apex			89
shifters	SRAM Double Tap			180
chain	SRAM PC 1031 10 speed			692,5
brakes	Tektro Time Trial R725			340
brake levers	SRAM BL 700			150
tyres	Schwalbe Ultremo ZX 650x23C V-Guard RaceStar			370
tubes	Schwalbe SV 11A			190
wheels	rims Mavic Open Pro hubs Shimano DuraAce	1632		
wheels	rims Mavic Open Pro hubs Shimano Ultegra		1763	
wheels	rims Mavic Open Pro hubs Shimano 105			1764
tot weight		9993	10124	10125

accessories

Seat pad	VENTISIT Comfort 80 x 24 x 3 cm 380 g
Seat pad	VENTISIT Classic 80 x 24 x 2 cm 300 g
Neck rest	Slyway AL 7020 T6 adjustable 120 g
Bottle cage	ELITE Custom Race Diam. 74 mm
Bag	RADICAL DESIGN Frame Pouch 27x11x8 cm
Bag	RADICAL DESIGN Solo Racer 10 lt
Bag	RADICAL DESIGN Side Panniers Racer 25 lt. (no need rear rack)
Bag	RADICAL DESIGN Banana Racer 25 lt (no need rear rack)
Mirror	Mirrycle Mountain Mirror
Ciclocomputer GPS	BRYTON Rider 20E
Ciclocomputer GPS	BRYTON Rider 20T
Tyres	Schwalbe Ultremo ZX 650x23C V-Guard RaceStar 185 g
Tubes	Schwalbe SV 11A 650x23C 95 g
Pedals	Shimano PD-M324 multipurpose 533 g/pair
Pedals	TIME ICLIC2 angular freedom +/- 5° lateral 2,5 mm 260 g/pair
Front brake pulley	TISO P-pue pulley

Stem bolts	Ti 6AL 4V Poggipolini made in Italy 2 x M6 x 25 mm TCE
Handlebar clamp bolts	Ti 6AL 4V Poggipolini made in Italy 2 x M6 x 15 mm TCE
Boom bolts	Ti 6AL 4V Poggipolini made in Italy 2 x M6 x 35 mm TCE + self locking nuts
Seat post bolts	Ti 6AL 4V Poggipolini made in Italy 4 x M6 x 20 mm TCE
Seat bolts	Ti 6AL 4V Poggipolini made in Italy 6 x M6 x 15 mm TCE + self locking nuts
Head set bolt	Ti 6AL 4V Poggipolini made in Italy M6 x 25 mm TCE
Idler bolts	Ti 6AL 4V Poggipolini made in Italy 1 x M8 x 25 mm TBE 1 x M8 x 30 mm TBE
Crank	Extralite QRC-2 SSP design CNC made in Italy BSA68 L 172.5 mm 480 g
Chainrings	Extralite OctaRamp CH2 53-39 made in Italy 105 g
Chainrings	Extralite OctaRamp RC2 50-34 made in Italy 94 g
QR	Extralite Streeters (road only) made in Italy 29 g
Pedals	TIME ICLIC2 Carbon angular freedom +/- 5° lateral 2,5 mm 225 g/pair
Pedals	TIME ICLIC2 Titan Carbon angular freedom +/- 5° lateral 2,5 mm 175 g/pair
Bottle cage	ELITE Pase Custom Carbon Diam. 74 mm 25 g
Brake levers	Tektro RL 950 carbon Diam. 24 mm 78 g/pair