

JUICED				
CrossCurrent X Mod				
Altus Derailleur, Std				Tgt Ped RPM
	9	CW1	%	70
	11-32	52	Drop	=MPH
9	11	4.73		28.4
8	13	4.00	1.18	24.0
7	15	3.47	1.15	20.8
6	17	3.06	1.13	18.3
5	19	2.74	1.12	16.4
4	21	2.48	1.11	14.8
3	24	2.17	1.14	13.0
2	28	1.86	1.17	11.1
1	32	1.63	1.14	9.8

STD

Wheel Dia "	28.8
Circum "	90.5
MPH?	28
Wheel rpm	327
Gear	4.73
Crank rpm	70

JUICED				
CrossCurrent X Mod				
Altus Derailleur, Max				Tgt Ped RPM
	9	CW1	%	70
	11-36	52	Drop	=MPH
9	11	4.73		28.4
8	13	4.00	1.18	24.0
7	15	3.47	1.15	20.8
6	17	3.06	1.13	18.3
5	20	2.60	1.18	15.6
4	23	2.26	1.15	13.6
3	26	2.00	1.13	12.0
2	30	1.73	1.15	10.4
1	36	1.44	1.20	8.7

Wheel Dia "	28.8
Circum "	90.5
MPH?	28
Wheel rpm	327
Gear	4.73
Crank rpm	70

JUICED				
CrossCurrent X Mod				
Altus Derailleur				Tgt Ped RPM
	9	CW1	%	70
	11-42	50	Drop	=MPH
9	11	4.55		27.3
8	13	3.85	1.18	23.1
7	15	3.33	1.15	20.0
6	17	2.94	1.13	17.6
5	20	2.50	1.18	15.0
4	24	2.08	1.20	12.5
3	29	1.72	1.21	10.3
2	35	1.43	1.21	8.6
1	42	1.19	1.20	7.1

Wheel Dia "	28.8
Circum "	90.5
MPH?	28
Wheel rpm	327
Gear	4.55
Crank rpm	72

JUICED				
CrossCurrent X Mod				
Altus Derailleur				Tgt Ped RPM
	9	CW1	%	70
	11-45	45	Drop	=MPH
9	11	4.09		24.5
8	13	3.46	1.18	20.8
7	15	3.00	1.15	18.0
6	17	2.65	1.13	15.9
5	20	2.25	1.18	13.5
4	24	1.88	1.20	11.2
3	29	1.55	1.21	9.3
2	36	1.25	1.24	7.5
1	45	1.00	1.25	6.0

Wheel Dia "	28.8
Circum "	90.5
MPH?	28
Wheel rpm	327
Gear	4.09
Crank rpm	80

Avoid Litetop

Short Cage Derailleurs: Accept cassettes up to 28-30t.

Long Cage Road Derailleurs: Accept cassettes up to 32t

Long Cage MTB Derailleurs: Accept cassettes up to 40t.

Tooth Capacity:

(Big - Little Cog) + (Big - Little Crank). ∴ Std = 21, ie, short cage, 11-45 = 34, ie, medium cage??? Juiced 3 7/8 = **SGS** - Long.

Altus M2000 is just above Tourney in the hierarchy cassette and rear derailleurs come in 9-speed.

The rear mech is a Shimano Shadow RD, a design using trickle down tech which makes it look similar to more expensive mechs in as such it has a low profile design helping protect the mech and keep it out of harms way. It doesn't get a clutch though, it's mostly made of steel, and

it'll only work with a cassette with a maximum of 45t. The front mech is a side swing mech giving better cable routing and increase clearance for larger wheels and shorter chainstays in comparison to the Tourney TX Top Swing derailleur.

<https://off.road.cc/content/buying/your-complete-guide-to-shimano-mountain-bike-drivetrains-tourney-altus-acera-alivio>

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