Columbia Overdrive Comparison - stock 3.78-1 vs 28.5% Reduction

28.5% reduction in engine RPM

revs / mile 720
Tire Dia 28"

OD Model	None	Columbia	None	Columbia
Axle ratio -->	**3.78**	**3.78**	4.11	4.11
OD ratio -->	**N/A**	**0.715**		**0.715**
Final ration -->	**3.78**	**2.7027**	4.11	**2.93865**

MPH	RPM @ mph			
1	45.4	32.5	49.4	35.3
2	90.7	65.5	98.7	70.6
3	136.1	98.2	148.1	105.9
4	181.4	131.0	197.4	141.1
5	226.8	163.8	246.8	176.5
6	272.1	196.5	296.1	211.7
7	317.5	229.3	345.5	247.0
8	362.8	262.0	394.8057	282.3
9	408.2	294.8	444.1514	317.6
10	453.5	327.6	493.4971	352.9
11	498.9	360.3	542.8429	388.1
12	544.2	393.1	592.1886	423.4
13	589.6	425.8	641.5	458.7
14	634.9	458.6	690.88	494.0
15	680.3	491.4	740.2257	529.3
16	725.6	524.1	789.5714	564.5
17	771.0	556.9	838.9171	599.8
18	816.3	589.6	888.2629	635.1
19	861.7	622.4	937.6	670.4
20	907.0	648.5	986.9543	705.7
21	952.4	681.0	1036.3	741.0
22	997.7	713.4	1085.646	776.2
23	1043.1	745.8	1134.991	811.5
24	1088.4	778.2	1184.337	846.8
25	1133.8	810.7	1233.7	882.1
26	1179.1	843.1	1283.029	917.4
27	1224.5	875.5	1332.374	952.6
28	1269.8	907.9	1381.72	987.9
29	1315.2	940.4	1431.066	1023.2
30	1360.5	972.8	1480.411	1058.5
31	1405.9	1005.2	1529.8	1093.8
32	1451.2	1037.6	1579.103	1129.1
33	1496.6	1070.1	1628.449	1164.3
34	1541.9	1102.5	1677.794	1199.6
35	1587.3	1134.9	1727.14	1234.9
36	1632.6	1167.3	1776.486	1270.2
37	1678.0	1199.8	1825.8	1305.5
38	1723.3	1232.2	1875.177	1340.8

39	1768.7	1264.6	1924.523	1376.0
40	1814.0	1297.0	1973.869	1411.3
41	1859.4	1329.5	2023.214	1446.6
42	1904.7	1361.9	2072.56	1481.9
43	1950.1	1394.3	2121.9	1517.2
44	1995.4	1426.7	2171.251	1552.4
45	2040.8	1459.2	2220.597	1587.7
46	2086.1	1491.6	2269.943	1623.0
47	2131.5	1524.0	2319.289	1658.3
48	2176.8	1556.4	2368.634	1693.6
49	2222.2	1588.9	2418.0	1728.9
50	2267.5	1621.3	2467.326	1764.1
51	2312.9	1653.7	2516.671	1799.4
52	2358.2	1686.1	2566.017	1834.7
53	2403.6	1718.6	2615.363	1870.0
54	2448.9	1751.0	2664.709	1905.3
55	2494.3	1783.4	2714.1	1940.5
56	2539.6	1815.8	2763.4	1975.8
57	2585.0	1848.3	2812.746	2011.1
58	2630.3	1880.7	2862.091	2046.4
59	2675.7	1913.1	2911.437	2081.7
60	2721.0	1945.5	2960.783	2117.0
61	2766.4	1978.0	3010.1	2152.2
62	2811.7	2010.4	3059.474	2187.5
63	2857.1	2042.8	3108.82	2222.8
64	2902.4	2075.2	3158.166	2258.1
65	2947.8	2107.7	3207.511	2293.4
66	2993.1	2140.1	3256.857	2328.7
67	3038.5	2172.5	3306.2	2363.9
68	3083.8	2204.9	3355.549	2399.2
69	3129.2	2237.4	3404.894	2434.5
70	3174.5	2269.8	3454.24	2469.8
71	3219.9	2302.2	3503.586	2505.1
72	3265.2	2334.6	3552.931	2540.3
73	3310.6	2367.1	3602.3	2575.6
74	3355.9	2399.5	3651.623	2610.9
75	3401.3	2431.9	3700.969	2646.2
76	3446.6	2464.3	3750.314	2681.5
77	3492.0	2496.8	3799.66	2716.8
78	3537.3	2529.2	3849.006	2752.0
79	3582.7	2561.6	3898.4	2787.3
80	3628.0	2594.0	3947.697	2822.6
81	3673.4	2626.5	3997.043	2857.9
82	3718.7	2658.9	4046.389	2893.2
83	3764.1	2691.3	4095.734	2928.5
84	3809.4	2723.7	4145.08	2963.7
85	3854.8	2756.2	4194.4	2999.0
86	3900.1	2788.6	4243.771	3034.3
87	3945.5	2821.0	4293.117	3069.6
88	3990.8	2853.4	4342.463	3104.9
89	4036.2	2885.9	4391.809	3140.1
90	4081.5	2918.3	4441.154	3175.4
91	4126.9	2950.7	4490.5	3210.7

92	4172.2	2983.1	4539.846	3246.0
93	4217.6	3015.6	4589.191	3281.3
94	4262.9	3048.0	4638.537	3316.6
95	4308.3	3080.4	4687.883	3351.8
96	4353.6	3112.8	4737.229	3387.1
97	4399.0	3145.3	4786.6	3422.4
98	4444.3	3177.7	4835.92	3457.7
99	4489.7	3210.1	4885.266	3493.0
100	4535.0	3242.5	4934.611	3528.2