

Maximum Fuel Efficiency: Comparison of Engine Crankshaft RPM at 65 MPH

Axle Ratio	Tire diameter	Load Capacity (per tire at max inflation)	Engine RPM @ 65 mph in Overdrive (0.69:1)
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3.73 (OEM)	31.6"	3195	1762
4.10 (An OEM Option)	31.6"	3195	1955
4.56 (325/65R18 tires)	34.6"	3860	1986
*4.56 (37"x12.50x17 tires)	36.5"	3525	1883

**This is essentially the same as changing from 4.56 to 4.30 axle gearing with 325/65R18 tires. There's a drop of 103 crankshaft rpm at 65 mph with 37"x12.50x17 tires and 4.56 gearing:*

Optional switch to 4.30 gears	34.6" (325/65R18)	3860	1873
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Hypertech Max Energy Stage 3 Tuning raises the torque peak engine speed to 2,150 RPM...

Engine Speeds at 75 MPH: Comparison of Axle Gearing, Tire Diameter and RPM in Overdrive (0.69:1)

3.73 (OEM)	31.6"	3195	2052
4.10 (An OEM Option)	31.6"	3195	2256
4.56 (325/65R18 tires)	34.6"	3860	2292
4.56 (37"x12.50x17 tires)	36.5"	3525	2172*

**Note that fuel efficiency above 1,900 rpm is relative...Fuel consumption increases steadily with the rise in engine speed. 2,150 rpm is a practical rpm and vehicle speed ceiling for this engine and tuning. With the new 37"x12.50x17 tires (36.5" true diameter), the engine speed at 80 mph is 2317 rpm; 90 mph in overdrive would be 2607 rpm.*