

CALCULATE ET

For a basic ET prediction, you only need your car's weight and horsepower. The entered HP is assumed to be the engine's rated HP on ideal or MSA conditions with no tire slippage and 100% converter lockup.

Enter vehicle weight (including driver): *Display Shows*
3 8 4 0 Vehicle Wt LBS S 3840

Enter vehicle's estimated HP:
4 1 1 HP HP S MSA 411

Calculate ET and MPH prediction:
ET 1/4 ET 12.269 S

ET 1/4 111.101 MPH

ET 1/8 ET 7.864 S

ET 1/8 88.316 MPH

CALCULATING EFFECTS OF CHANGING TIRE SIZES

Calculate the effects of new, different-sized tires on your vehicle's performance:

Enter your current final-drive ratio: *Display Shows*
3 0 8 Gear Ratio GEAR S 3.08 RATIO

Enter the diameter of your old (current) tires:
2 8 9 Conv Tire Ratio TIREo S 28.9 SIZE IN

And then the diameter of the new tires:
3 3 Conv Gear Ratio TIREn S 33. SIZE IN

Calculate the effect to your final-drive ratio:
Tire Ratio New Tire Ratio TIRE 1.142 RATIO

Tire Ratio New Final Drive Ratio D-EFF 2.697 RATIO

This final-drive ratio is lower than your current 3.08.

Tire Ratio Equivalent Drive Ratio D-EQV 3.517 RATIO

To have a similar responsiveness, you'll need to install a set of final-drive gears closer to a 3.5 ratio.

Your new tires are also going to effect the readings on your speedometer.

To see your actual speed, enter the speed indicated on your speedo, say 65:

6 5 MPH

Tire Ratio Actual Speed SPD-A 74.221 MPH

So your actual speed is almost 10 miles an hour over what your speedometer says.

Calculate the speed you want on your speedometer in order to have an actual speed of 65 mph

Tire Ratio Gauge Speed G-SPD 56.924 MPH

Having a gauge speed of 57 will give you an actual speed of 65 with your new, larger tires.



**IMPROVE YOUR VEHICLE'S PERFORMANCE AND TIMES.
 MAKE ADJUSTMENTS AT THE TRACK!**

Track Conditions — Enter air temperature, barometric pressure, moisture, elevation and see how they will effect performance at the track.

Additional Performance Functions — Instantly see how changes to your engine and fuel system will effect your vehicle's performance.

See how easy it is to use at
www.calculated.com/hotrodcalc

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 INDUSTRIES**

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