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horsepower vs torque what s the difference car and driver Jul 08 2023 mathematically horsepower equals torque multiplied by rpm $h \times rpm = t \times 5252$ where h is horsepower t is pound feet rpm is how fast the engine is spinning and 5252 is a constant that makes

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electric motors torque vs power and speed Mar 04 2023 power is quantified in watts j s or horse power note that the driving force of an electric motor is torque not horsepower the torque is the twisting force that makes the motor running and the torque is active from 0 to 100 operating speed

exploring horsepower and torque ocmbores org Feb 03 2023 equation relating torque in newton meters rotational speed in rpm and horsepower is these are based on watt s definition of the mechanical horsepower the constants 5252 and 7124 are rounded the exact values are 16 500 $\frac{1}{2}$ and 22 380 $\frac{1}{2}$ respectively $\text{horse power} = \frac{t \times v}{375}$ $\text{horsepower} = \frac{\text{torque} \times \text{rpm}}{5252}$

editing horse power giants software forum Jan 02 2023 $\text{ps torque} = \frac{\pi \times \text{rpm}}{30} \times 1.35962161$ the torque is composed of the torquescale and the torque value from the torque curve if you keep the default motor settings default torque curve and a maxrpm of 2200 you can easily calculate the correct torquescale for the rated engine power with

cobb accessport horsepower and torque estimates Dec 01 2022 cobb accessport horsepower and torque estimates as the subject indicates i d like to know if anyone has compared the estimated hp tq the accessport provides with actual dyno results i have quite a few mods but don t believe the estimated numbers to be accurate i m getting 427 442

how to read the horsepower hp tuners bulletin board Oct 31 2022 yes horsepower is generally found from an equation $hp = \text{torque} \times \text{rpm} / 5252$ however as stated above you need a dyno to accurately measure torque with that said there are software programs out there that will estimate horsepower and torque based on acceleration vs drag

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