Answer on question #65778, Physics / Mechanics — Relativity

 $\bf Question$ If a cessna 172 requires 15 seconds to reach its life off speed of 145 km/hr what is its average acceleration?

 ${\bf Solution} \quad {\bf The \ acceleration \ is} \quad$

$$a = \frac{v}{t} = \frac{145/3.6}{15} \approx 2.7 \, m/s^2$$