

Act. 3. pag. 7. (T1)

Datos

$$P = \frac{1}{5} \text{ CV}$$

$$h = 5 = 10 \text{ m}$$

$$t = 2 \text{ s}$$

$$1 \text{ CV} = 735 \text{ W}$$

$$0,2 \cancel{\text{ CV}} \cdot \frac{735 \text{ W}}{1 \cancel{\text{ CV}}} = 147 \text{ W}$$

$$P = \frac{W}{t} \Rightarrow W = P \cdot t = 147 \cdot 2 = 294 \text{ J}$$

$$E_p = mgh \Rightarrow m = \frac{E_p}{gh} = \frac{294}{9,8 \cdot 10} \approx 3 \text{ kg}$$