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Datos

$$V = 220 \text{ V}$$

$$I = 8 \text{ A}$$

$$t = 1 \text{ h}$$

$$m = 8000 \text{ kg}$$

$$h = 25 \text{ m}$$

$$P_{\text{TOTAL}} = V \cdot I = 220 \cdot 8 = 1760 \text{ W}$$

suminist

$$E_{\text{TOTAL}} = P \cdot t = 1760 \cdot 3600 = 6336000 \text{ J}$$

suminist.

$$E_{\text{util}} = mgh = 8000 \cdot 9.8 \cdot 25 = 1960000 \text{ J}$$

$$\eta = \frac{E_{\text{util}}}{E_{\text{TOTAL}}} \cdot 100 = \frac{1960000}{6336000} \cdot 100 = 30.9\%$$

