

#### Θέμα 4<sup>ο</sup>

$$\alpha) P = \frac{T \cdot \eta}{9,55} \Rightarrow P = \frac{80 \cdot 955}{9,55} \Rightarrow P = \frac{80 \cdot 100}{1} \Rightarrow P = 80 \cdot 100 \Rightarrow \mathbf{P = 8000\ W}$$

$$\beta) \eta = \frac{P}{P_1} \Rightarrow \eta = \frac{8000}{10000} \Rightarrow \eta = \frac{8}{10} \Rightarrow \mathbf{\eta = 0,8}$$

$$\gamma) P_1 = P + P_{\alpha\pi} \Rightarrow 10000 = 8000 + P_{\alpha\pi} \Rightarrow P_{\alpha\pi} = 10000 - 8000 \Rightarrow \mathbf{P_{\alpha\pi} = 2000\ W}$$