K. A

Pump #3

$$n = \frac{m^3}{5} \cdot \rho_a / \omega$$

$$=\frac{m^3}{5}\cdot\frac{k_2}{m_1s^2} / \frac{k_g \cdot m^2}{s^3}$$

$$= 0.077896822 \frac{\pi^3}{5} \cdot 1103167a = \frac{6336.945316}{29039} = 0.21999$$

= 22%