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Mission Refelo

To estimate who;
$$\frac{\omega_0}{\omega_0} = (1.06)(1-\frac{\omega_7}{\omega_0})$$
 [wing 61. morgin]

$$\frac{\omega_7}{\omega_0} = \frac{\omega_1}{\omega_0} \cdot \frac{\omega_2}{\omega_1} \cdot \frac{\omega_3}{\omega_2} \cdot \frac{\omega_{\psi}}{\omega_3} \cdot \frac{\omega_{\xi}}{\omega_{\psi}} \cdot \frac{\omega_{\xi}}{\omega_{\xi}} \cdot \frac{\omega_7}{\omega_{0}}.$$

$$\bullet(\underline{\omega_1}) = 0.97$$
 (Ristorical data)

$$(\frac{\omega_z}{\omega_1}) = 0.98 \quad (")$$

$$\left(\frac{\omega_3}{\widetilde{\omega_2}}\right)$$

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$$\left(\frac{\omega_3}{\omega_2}\right)$$
 for PeoP. engine $R = \frac{\eta}{c} \left(\frac{L}{D}\right) \ln\left(\frac{\omega_2}{\omega_3}\right)$

for 1), C & Samoosabove

Ret (5) mox= 16 and Verise= 60 m/s.

$$\frac{1}{100} = \frac{(0.97)(0.96)(0.90)(1)(0.961)(1)(0.995)}{(0.98)8} = 0.818$$

Obt

$$\Rightarrow$$
 $W = 120 \text{ kg/m}^2$
 $\therefore S = \frac{1465.5}{120} \text{ m}^2 = \sqrt{12.2 \text{ m}^2}$
 \Rightarrow $R = 10 = \frac{12}{5}$ $\frac{1}{5} = 11 \text{ m}$
 \Rightarrow assume sectangular wing. $\frac{1}{5} = \frac{1}{5} = \frac{11}{5} = \frac{11}{5}$

$$\rightarrow$$
 assume sectongular wing. 1. $C = \frac{1}{RR} = \frac{11}{10} = 1.1 \text{ m}$.