



POWER 2 So hp = 50 (550) = 27500 Ft. lb/see

$$90 = \frac{V_z^2}{2(32.2)} + \frac{f(V_z^2)}{29d} = \frac{V_z^2}{64.4} + \frac{(0.02)(300)V_z^2}{64.4(1)}$$

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$$\Rightarrow$$
 $CQ = \frac{13.686}{77.116} = 6.177 \text{ F} t^3/\text{Sec}$