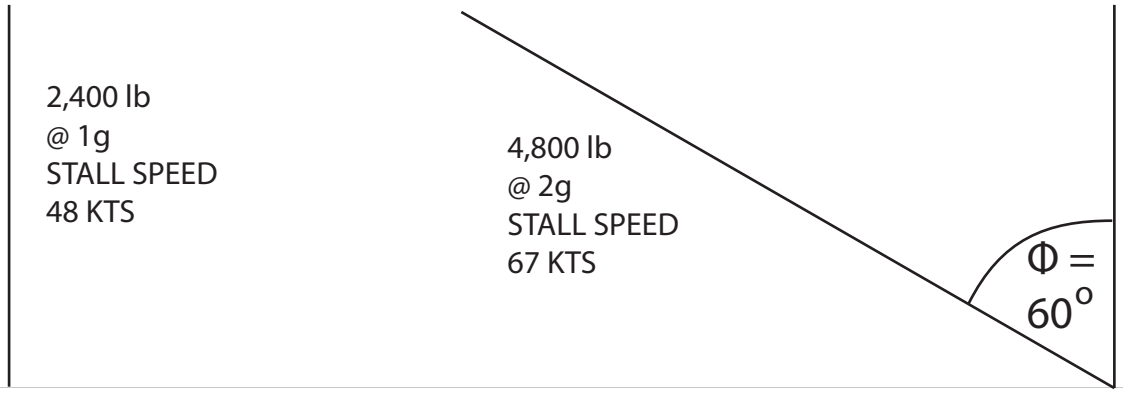
STEEP SPIRAL FORCE VECTOR ANALYSIS

POINT 1
(PRIOR TO MANEUVER ENTRY)



$$\text{Load Factor} = \frac{1}{\cos \Phi} = \frac{1}{0.5} = 2\ g$$

$$\text{Stall Speed} = 1g\ Vs \times \sqrt{LF} = 48 \times 1.4 = 67\ \text{Kts}$$

$$\text{Recomended minimum stall margin} = 1.3 \times Vs = 87\ \text{Kts}$$