

Standard Sea level atmosphere 
$$V_{REF} = 1.3 V_{S} + all$$
 $W = 52 446 lb$ 
 $S = 143 | ft^2$ 
 $Sg = 6067 ft$ 
 $Sa_{REF} = 2 ft^2 S$ 
 $Sa_{REF} = 2 ft^2 S$ 
 $Sa_{REF} = 1.3 V_{S} + all$ 
 $V_{S} + all = \sqrt{9 S C_{max}}$ 
 $V_{S} + all = \sqrt{9 S C_{max}}$ 
 $V_{S} + all = \sqrt{19.8 ft}$ 
 $V_{S} + all = 2 (52446 lb)$ 
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3. Givens: 
$$W/S = 110 \frac{16}{5}$$
 C<sub>Lmax</sub> = 1.9

 $N = 3.3$ 

Sea level conditions

$$\frac{L}{W} = 10 \frac{1}{5} \frac{1}{5}$$

