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**Date:** October 12, 2023

**Subject:** WPR22FA266, Van's Aircraft Airspeed Limitations

Contact: N/A

The following chart depicting airspeed indicator markings was retrieved from the Van's Aircraft company website (<u>Airspeed indicator markings by model - Van's Aircraft</u> <u>Total Performance RV Kit Planes (vansaircraft.com</u>)) on this date. The chart specifies the Red Line (never exceed speed) for RV-9 model airplanes is 210 mph (true and indicated).

AIRSPEED INDICATOR MARKINGS All speeds in statute mph						
	RV-4	RV-6/6A	RV-7/7A	RV-8/8A	RV-9/9A	RV-10
Bottom of White Arc (approximate indicated stall speed with full flaps)	54	55	58	58	49	60
<b>Top of White Arc</b> (maximum speed with full flaps)	100	100	100	100	90	100
Bottom of Green Arc (approximate indicated stall speed without flaps)	58	59	64	64	56	70
Blue Line (Manuevering speed. Maximum speed at which full control can be applied. Speed at which full elevator control would impose loads exceeding limits)	134	134	142	142	118	144
Yellow Arc (caution range, to be flown only in calm or light turbulence conditions)	180-210	180-210	193-230	193-230	180-210	180-230
Red Line (never exceed speed - true and indicated)	210	210	230	230	210	230

NOTE: For RV-14 V-speeds, please refer to the chart on the Van's Aircraft website. For RV-12/12iS speeds, please refer to the POH for the aircraft.