

NRI Flying Club					
		N9556K			
		Updated 19-Jun-2022			
	General			Speeds	KIAS
	Year	1976		Vr- Rotate / init climb @ Flaps (Normal)	52-65 / 76 @ 0 deg
	Type	PA28-181		Vr- Rotate / init climb @ Flaps (Short Fld)	41-49 / 64 @ 25 deg
	Engine	Lyc 0-360-A4M		Vr- Rotate / init climb @ Flaps (Soft Fld)	41-49 / 76 @ 25 deg
	Propeller	76" Fixed		Normal climb speed	76
	HP @ RPM	180 @ 2700		Vx - Best Angle of Climb	64
	Fuel Octane Grade Minimum	100		Vy - Best Rate of Climb	76
	Fuel Usable	48 (34 @ 17g tabs)		Vcc - Best Enroute Climb	87
	Fuel Unusable Gal	2		Vno - Normal Operating Speed	121
	Fuel Consumption at 75% Power (GPH)	10.5		Vne - Never Exceed	148
	Endurance (75% pwr, less 45' reserve)	3 hrs, 49 min		Va - Manuvering Speed	108
	Oil (quarts) Min / Max - Preferred	5.5 / 8 - 6			
	Air Pressure PSI (Nose / Mains)	18 / 24			
	Positive Load:	+ 3.80g @ 2550 lbs		Vfe - Flap Extension (1-10 degree)	100
		+ 4.40g @ 1950 lbs		Vfe - Flap Extension (11-max deg)	100
	Negative Load	Not Approved		Vlo / Vle - Max landing gear op/extend	n/a
				Vs - Stall Speed (Clean - 0 deg flaps)	54
	Weights (Lbs)			Vso - Stall Speed (Dirty - max flaps)	48
	Basic Empty Weight	1551.4		Normal Approach Downwind	75
	Useful Load:	998.6		Normal Approach Base	70
	Fuel Weight.	288		Normal Approach Final (Full Flaps)	66
	Cabin Load w/ Full Fuel and Oil/ No bags	710.60		Short Field Approach (Full Flaps)	66
	Max Baggage:	200		Best Glide Speed / Engine Out	76
	Max Gross Weight:	2550			
	CG (empty)	86.9			
	Empty moment	134,799		Max Crosswind	17
	Gear retraction moment change	n/a		Maximum Open Speed	87 (door)
	Date of last Weight and Balance	25-Feb-2022		White Arc (full flap operating range)	53 - 100
				Green Arc (normal operating range)	59 - 121
				Yellow Arc (caution, only in smooth air)	121 - 148
				Red Line (max speed all operations)	148

These are estimates only.
Please check the POH to be sure.