

NRI Flying Club

		N9556K	
		updated 25 Sep 2007	
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
		Vso - Stall Speed (Dirty - max flaps)	48
		Normal Approach Downwind	75
Weights (Lbs)		Normal Approach Base	70
Basic Empty Weight	1560.00	Normal Approach Final (Full Flaps)	66
Useful Load:	990.00	Short Field Approach (Full Flaps)	66
Fuel Weight.	288.00	Best Glide Speed / Engine Out	76
Cabin Load w/ Full Fuel and Oil/ No bags	702.00		
Max Baggage:	200.00		
Max Gross Weight:	2550.00		
CG (empty)	86.99		
Empty moment	135700.80	Max Crosswind	17
Gear retraction moment change	n/a	Maximum Open Speed	87 (door)
Date of last Weight and Balance	2-Feb-1996	White Arch (full flap operating range)	53 - 100
		Green Arch (normal operating range)	59 - 121
		Yellow Arch (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.