

NRI Flying Club

		N7561X	
		updated 25 Sep 2007	
General		Speeds	
		KIAS	
Year	1978	Vr- Rotate / init climb @ Flaps (Normal)	50 / 70-80 @ 0-20 deg
Type	C-R182 Skylane RG	Vr- Rotate / init climb @ Flaps (Short fld)	50 / 55 @ 20 deg
Engine	Lyc 0-540-J3C5D	Vr- Rotate / init climb @ Flaps (Soft fld)	45 / 55 @ 20 deg
Propeller	82" Const-Speed	Normal climb speed	88
HP @ RPM	235 @ 2400	Vx - Best Angle of Climb	64 (66 @ 10,000)
Fuel Octane Grade Minimum	100	Vy - Best Rate of Climb	88 (74 @ 10,000)
Fuel Usable	75	Vcc - Best Enroute Climb	90-100 @ 23/2400
Fuel Unusable Gal	5	Vno - Normal Operating Speed	143
Fuel Consumption at 75% Power (GPH)	13.5	Vne - Never Exceed	182
Endurance (75% pwr, less 45' reserve)	4 hrs, 48 min	Va - Manuvering Speed	112 @ 3100 lbs
Oil (quarts) Min / Max - Preferred	6 / 9 - 6		101 @ 2550 lbs
Air Pressure PSI (Nose / Mains)	50 / 68		89 @ 2000 lbs
Positive Load:	+ 3.80g (no flaps)	Vfe - Flap Extension (1-10 degree)	140 (1-10 deg)
	+ 2.00g (full flaps)	Vfe - Flap Extension (11-max deg)	95 (11-40 deg)
Negative Load	- 1.52g	Vlo / Vle - Max landing gear op/extend	140
		Vs - Stall Speed (Clean - 0 deg flaps)	42
		Vso - Stall Speed (Dirty - max flaps)	37
		Normal Approach Downwind	80 - 90
Weights (Lbs)		Normal Approach Base	70 - 80
Basic Empty Weight	1852.80	Normal Approach Final (Full Flaps)	65 - 75
Useful Load:	1247.20	Short Field Approach (Full Flaps)	63
Fuel Weight.	450.00	Best Glide Speed / Engine Out	80 @ 3100 lbs
Cabin Load w/ Full Fuel and Oil/ No bags	797.20		72 @ 2550 lbs
Max Baggage:	200.00		64 @ 2000 lbs
Max Gross Weight:	3100.00	Max Crosswind	18
CG (empty)	34.58	Maximum Open Speed	182 (window)
Empty moment	64075.80	White Arch (full flap operating range)	37 - 95
Gear retraction moment change	3052.00	Green Arch (normal operating range)	42 - 143
Date of last Weight and Balance	14-May-2004	Yellow Arch (caution, only in smooth air)	143 - 182
		Red Line (max speed all operations)	182

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