

Quick Reference only - Rely only on the POH !

	N2746C	N5291W	N83993	N742DS	N33U	N1361D	N24JN	N25021
Year	1998	2002	1982	2004	1946	1951	1968	1972
Model	C172R	C172S	PA28-161	DA40-180	C140	C170	PA 28-180	PA 28 200-R
Empty Weight	1686.1	1705.26	1525.85	1739.7	951	1297.2	1294	1608
CG / Moment	39.196	41.281	87.47 133466.61	96.46	13.6 12630	43.86	84.4	84.46 / 135886.54
Useful Load	763.9	852.74	799.15	795.6			1103.8	1041.1
Gross Weight	2450	2550	2325	2535	1450	2200	2400	2650
Engine	Lycoming IO-360 – 160hp	Lycoming IO-360-180hp	Lycoming O-320 – 160hp	Lycoming IO-360 – 180hp	Continental C-85 – 85hp	Continental C-145-2 145hp	Lycoming 0-360-A4A 180hp	Lycoming IO-360-C1C
Fuel – per side	28	28	25	20.6	12.5	20	25	28
Fuel – ttl Usable	53	53	48	40.2	23	37	48	48
Oil min/max	6 / 8	6 / 8	6 / 8	6 / 8	3 / 4.5	4 / 8	6 / 8	6 / 8
Tire Pressure Nose/Main	34 / 28 psi	45/ 38 psi	30 / 24 psi	29 / 36 psi	20 / 24 psi	24 mains	24 / 24 psi	30 / 27 psi
Vs0	33 kts	40 kts	44 kts	52 kts	45 mph	24 mph	57 mph	64 mph
Vs1	44 kts	48 kts	50 kts	49 kts	49 mph	58	57	
Vr	55 kts	55 kts	45-55 kts	59 kts	43 mph	n/a	60	65
Vx	60 kts	62 kts	63 kts	n/a		76	74	85 / 96
Vy	79 kts	74 kts	79 kts	66/73 kts T/O flaps down/up	78 mph	89	85	95 / 100
Best Glide	65 kts	65 kts	73 kts	73 kts	66 - 70 mph	70 - 75	85	105
Vfe	85 kts	85 kts	111 kts	91 Land 108 T/O	82 mph	100	115	125
Va – gross wt.	99 kts	105 kts	111 kts	108 kts	100 mph		129	131
Vlo	n/a	n/a	n/a	n/a	n/a	n / a	n/a	150
Vno	129 kts	129 kts	126 kts	129 kts	n/a	n/a	max nrml	170
Vne	163 kts	163 kts	160 kts	178 kts	140 mph	160	171	215
Max Demo XW	15 kts	15 ts	17 kts	20 kts	not published	n/a	20	20
Equipment	Dual Nav/Com 4 Place Intercom Auto-Pilot	IFR Dual Nav/Com Garmin GTN 650 ADS-B in / out 2 Axis Auto-Pilot MFD	Dual Nav/Com Elec Trim DME,	IFR Dual Garmin 530/430 GPS 2 Axis Auto-Pilot	Tailwheel 2 place intercom VFR	Tailwheel dual nav coms w glide scope IFR capable		IFR Garmin G430Waas Dual KX 155 Dual Glide Slope DME ADSB in wifi STEC auto pilot