

V- speeds (KNOTS)

Vso	41 KIAS
Vs	47 KIAS
Vx	59 KIAS
Vy	73 KIAS
Vfe	85 KIAS
Va(Max)	97 KIAS
Vno	128 KIAS
Vne	160 KIAS
Best Glide	65 KIAS
Rotate	55 KIAS
Final	65-70 KIAS

W&B

Gross Weight - 2300 LBS, Useful Load - 835
 Empty Weight - 1465.00 LBS // MOMENT 58.3
 Fuel- 6 lbs/Gallon at 40 gallons full

	Weight (SAMPLE)	Moment (SAMPLE)	Weight (ACTUAL)	Moment (ACTUAL)
Empty Weight	1454	57.6		
Oil (6 qrts)	11	-0.1	11	-0.1
Fuel (Standard)	240	11.5		
Pilot and Front PAX	340	12.6		
Rear PAX	170	12.4		
Baggage 1	96	9.1		
Total Weight and Moment				

Other

Max TO Weight	2300lbs
Total Fuel Cap	43
Total Useable	40
Max Oil	7 Qrts
Min Oil	5 Qrts
Flaps	0, 10, 20, 30, 40

Specifications

Gross Weight	2300lbs	
Speed	Top Speed at Sea Level	125KIAS
	Cruise at 75% at 8,000ft	122KIAS
Range	Cruise at 75% at 8,000ft	485nm
	40 Gallons, No Reserve	4.1 hrs
Rate of Climb at Sea Level	770 FPM	
Service Ceiling	14,200 ft	
Take Off	Ground Roll 50ft Obstacle	805 ft 1440 ft
Landings	Ground Roll 50ft Obstacle	520 ft 1250 ft
Fuel Capacity	Gallons Total Useable	43 40
Oil Capacity	Total	7 Qrts
Propeller	Fixed Pitch	75in
Engine Continental:	- 160 HP at 2700RPM - 0-320-H2AD	

Engine

4 Cylinder, 4 Stroke, Carbureted, Direct Drive, Horizontally Opposed, Naturally Aspirated, Air Cooled, 160 HP at 2700 RPMs, LYCOMING, 0-320-H2AD,