



THIS GUIDE IS FOR REFERENCE ONLY, REFER TO POH FOR COMPLETE INFORMATION

DIMENSIONS	TERMINOLOGY	NOTES
Length: 25' - .5" Wingspan: 35' - 7.2" Height: 8' - 5" Minimum Turb Radius: 23' - 3.3"	MCP: Max Continuous Power (no time limit) Bootstrapping: Variations of manifold pressure due to changes in airspeed, mass flow through turbo, or other variables MZFW: Maximum weight exclusive of usable fuel MFW: Minimum weight approved for all ops	1) Spins are prohibited 2) Flight into known icing prohibited

SPEED	KCAS	KIAS	NOTES
Va	110 (2850 lbs) 92 (1998 lbs)	110 92	1) Avoid prolonged climbs at Vy or Vx due to increased engine temperatures
Vfe	150 (0-20°) 120 (20-25°) 109 (25-35°)	151 121 111	2) 100 kt climb recommended for cooling when able
Vlo	130	130	
Vle	180	181	
Vne	180	181	
Vno	143	143	
Vr	70	70	
Normal Climb		100	
Vy		86	
Vx		72	
Max Cowl Flaps Open	130	131	
Max Side Window Open	130	131	
Best Glide	75 (2850 lbs) 70 (2500 lbs) 66 (2200 lbs)		
Maximum speed for manual gear extension	75		

Engine: Lycoming T0-360-C1A6D 210 HP Turbo-charged, carbureted, direct drive, air-cooled, horizontally opposed, 4-cylinder

OPERATING LIMITS FOR TAKEOFF AND CONTINUOUS OPS		NOTES
Maximum BHP	210	1) Engine is warm enough for takeoff when the throttle can be opened without engine faltering. Takeoff should not be started if indicated oil pressure, due to cold temperature is above maximum.
Maximum RPM	2575	
Maximum Manifold Pressure	42 IN-HG - S.L. to 8000ft 40 IN-HG - 8001ft to 16,000ft 38 IN-HG 16,001ft to 20,000ft	2) Lean for taxi, FULL RICH for Takeoff and Landing 3) Leaning when > 75% MCP prohibited 4) Mixtures leaner than best power prohibited between 66% and 75% MCP 5) Best Power = 100° Rich of Peak EGT 6) Operations lean of peak prohibited 7) MAX EGT 1725°
Maximum Cylinder Head Temp	475°	8) Avoid continuous ops between 12" AND 20"MP 9) Continuous operation between 2250-2450 RPM with manifold pressure 20 IN-HG is prohibited 10) Continuous operation below 2350 RPM at manifold pressure above 34 IN-HG is prohibited
Maximum Oil Temperature	245°	11) Minimum 5 minute cool down after landing with rpm <1200 - TIT should show a decrease 12) Leave Oil door OPEN after use for minimum of 10 minutes to dissipate heat
Minimum Oil Pressure (idle)	25 psi	
Minimum Cruise Oil Pressure	50 psi	
Maximum Oil Pressure (Normal Ops) (Start, Warmup, Taxi, Takeoff)	90 psi 115 psi	

WEIGHT LIMITS		CENTER OF GRAVITY LIMITS	NOTES
Maximum Takeoff Weight	2850 lbs	See Attached for Weight and Balance	1) Aircraft unloaded CG is more forward than most aircraft in fleet. Two normal sized adults may require use of ballast to remain within limits
Maximum Landing Weight	2850 lbs		
Maximum Zero Fuel Weight	2720 lbs		
Minimum Flying Weight	1998 lbs		
Maximum Baggage Compartment Weight	200 bs		